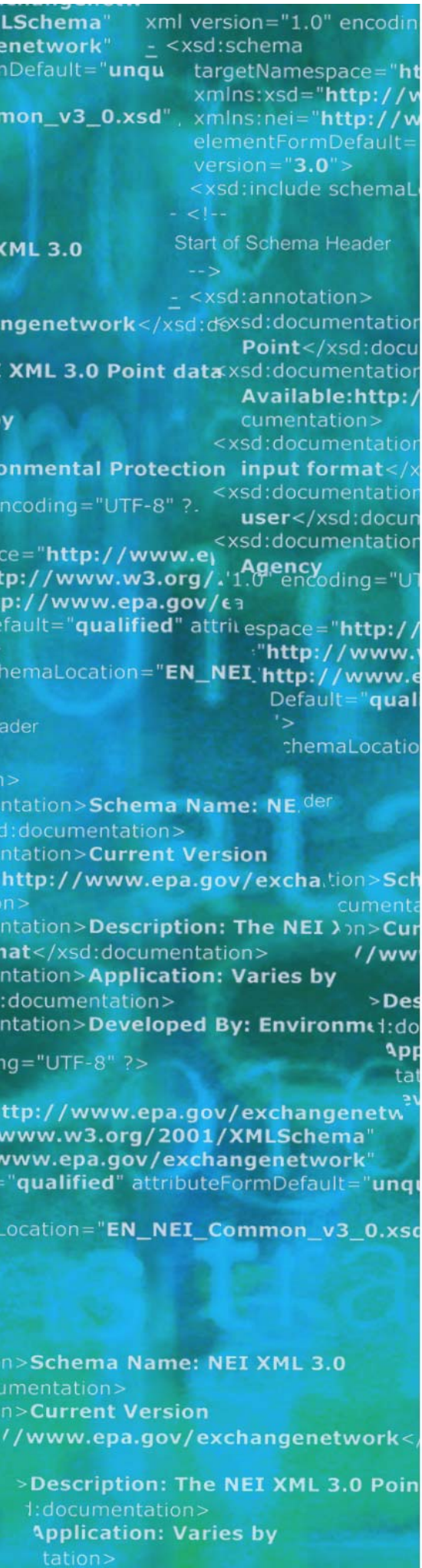

Integrated Compliance Information System – National Pollutant Discharge Elimination System (ICIS-NPDES)
XML Schema User Guide - Draft

Version 4.0

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Environmental Information Exchange Network

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1 INTRODUCTION

The Integrated Compliance Information System – National Pollutant Discharge Elimination System (ICIS–NPDES) is being enhanced to support an integrated data flow to process electronic batch submissions using eXtensible Markup Language (XML) technology. Authorized states, tribes, and EPA regional users submit National Pollutant Discharge Elimination System (NPDES) data via batch to ICIS–NPDES. They compose their transactions into predefined XML formatted files contained in a zip archive file and submit them electronically through a Node on the Exchange Network (EN) or manually by uploading them using an interactive web form hosted on EPA's Central Data Exchange (CDX) site. The files are then submitted to ICIS–NPDES by CDX for processing.

Upon receipt of the zip archive submission file, CDX performs important functions such as validating the submitted data against approved XML schemas, scanning for viruses, archiving all XML files, and authenticating the submitters prior to making the XML files available for processing. CDX provides a Web services interface for distributing files to ICIS–NPDES for processing.

A Web service is deployed in the ICIS–NPDES environment to receive XML files from CDX. ICIS–NPDES is responsible for receiving and extracting data out of the XML files or "parsing" the data, sequencing the transactions, and processing the transactions against the ICIS–NPDES service tier. For any transactions that are not successfully processed, detailed business-rule based errors will be generated. Finally, ICIS–NPDES records the batch processing results and sends the processing status back to CDX.

This document describes procedures for State, tribe and EPA regional users to provide NPDES data to ICIS-NPDES Discharge Monitoring Report (DMR) data in an XML format, check the results, and correct common errors that may occur to their submissions. While similar procedures may be developed for processing the other data families (other than DMRs) in the future, this document is focused exclusively on the DMR data family.

1.1 OVERVIEW OF DOCUMENT

This document is divided into nine sections:

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

Section 2 (ICIS-NPDES Batch Processing Overview) – describes the roles and responsibilities of participants and the lifecycle for submitting data to ICIS-NPDES.

Section 3 (Preparing for ICIS-NPDES Batch) – provides detailed information on mapping state data into ICIS-NPDES schema, formatting XML submission files, file naming conventions, field data types, and types of edits used for each ICIS-NPDES data submission.

Section 4 (Working with ICIS-NPDES Schema Files) – describes schema XML validation tools how to validate XML submission files with the ICIS-NPDES schema.

Section 5 (Establishing Access to CDX and ICIS-NPDES) – explains the types of access needed and how to register for CDX and ICIS-NPDES.

Section 6 (Submitting Files to ICIS-NPDES Batch) –discusses the method of submitting an XML file to ICIS-NPDES Batch using EPA's Central Data Exchange (CDX).

Section 7 (Viewing ICIS-NPDES Batch Submission Results) – walks through the steps in viewing the results of submissions to ICIS-NPDES Batch.

Section 8 (Data Mapping and Rules) – lists XML submission file tags and how they are used and stored by ICIS-NPDES Batch.

Section 9 (Error Messages) – lists typical error messages that occur during the processing of XML files, why they occur and how they should be handled.

1.2 INTENDED AUDIENCE

The intended audience for this Guide is any state, tribe or EPA region using its own software and procedures to extract NPDES data and submit it to EPA Headquarters (HQ) for inclusion in the ICIS-NPDES system. These users are called "batch submitters" and are referred to as such throughout this document.

This document was written assuming the reader is familiar with the ICIS-NPDES system, understands basic computer concepts and terminology, is experienced in XML and Schema technology, and is familiar with CDX.

1.3 DATA FILES

Batch submitters provide ICIS-NPDES data to EPA HQ via a series of files called "XML instance documents". The structure and relationships of these files are detailed in this Guide. Other formats for data transfer, such as Oracle to Oracle, ASCII comma delimited and ASCII flat fixed-format data transfer, are not supported by ICIS-NPDES Batch.

The remainder of this Guide describes in detail the steps necessary to ensure a successful NPDES DMR data submission, the format and rules files that must be followed for each submission and technical aspects of the file creation process.

1.4 OTHER USEFUL ICIS-NPDES DOCUMENTS

In addition to this Guide, users may find the following other documents useful in understanding how to use ICIS-NPDES and prepare their DMR data for submission:

- ICIS-NPDES Batch Flow Configuration Document
- ICIS-NPDES XML Data Exchange Template
- ICIS-NPDES Example XML Instance Document
- ICIS-NPDES Batch Technical Specification
- ICIS-NPDES XML Schema Documentation

1.5 QUESTIONS/COMMENTS

Readers with questions or comments about any aspect of ICIS-NPDES Batch processing should direct them to either the CDX Help Desk or ICIS User Support depending upon the topic, as shown in Table 1-1.

CDX Help Desk	ICIS User Support
State/Tribal Node access questions or problems	CDX Web Form access requests

CDX Web Form access problems	ICIS-NPDES password resets
CDX Web Form password resets	ICIS-NPDES access problems
State/Tribal Node file transfer questions or problems	XML file schema validation error questions or problems
Validate, Submit, getStatus and Download web method questions or problems	ICIS-NPDES batch rejection report questions or problems
SOAP message questions or errors	

Table 1-1. Contact Assistance for ICIS-NPDES Batch

Contact the CDX Help Desk using one of these three methods:

- By Telephone: Person-to-person telephone support is available from 8:00 am to 6:00 pm (EST). Call our toll-free line at 888-890-1995
- By Fax: Assistance requests are accepted 24 hours a day at 301-429-3905. Support personnel will respond to faxed requests Monday through Friday from 8:00 am to 6:00 pm EST/EDT
- By E-mail: Send e-mail to one of the following address with "Tech Support" in the Subject line

  - ✓ nodehelpdesk@epacdx.net (State/Tribe Nodes)
  - ✓ helpdesk@epacdx.net (CDX Web Form)

Contact ICIS User Support at (202) 564-7756 or via e-mail at ICIS@epa.gov.

1.6 ACRONYMS

Acronyms used within this document are listed in Table 1-2.

Acronym	Representation
ASCII	American Standard Code for Information Interchange
CDX	Central Data Exchange
COTS	Commercial Off the Shelf
DMR	Discharge Monitoring Report
EPA	Environmental Protection Agency
HQ	Headquarters
ICIS	Integrated Compliance Information System
ICIS-NPDES	Integrated Compliance Information System – National Pollutant Discharge Elimination System
IDEF	Interim Data Exchange Format
IOR	Implementer of Record
IT	Information Technology
NPDES	National Pollutant Discharge Elimination System
PCS	Permit Compliance System
SIC	Standard Industrial Classification
SOAP	Simple Object Access Protocol
W3C	World Wide Web Consortium
XML	eXtensible Markup Language

Table 1-2. List of Acronyms

1.7 GLOSSARY

A glossary of terms used within this document is defined in Table 1-3.

Term	Definition
CDX Node	EPA's point on the Exchange Network that hosts web services used for requesting and publishing data between other Nodes.
CDX Web Form	An interactive web page hosted on CDX that allows a state, tribe or EPA staff member to manually upload a zipped file containing XML Submission File(s) to ICIS-NPDES.
Child Block	A series of common elements or tags with data sandwiched between them that are clustered under a parent block.
Client Node	Software residing on a Node that interactively invokes web services to manually submit a zipped file containing XML Submission File(s) to ICIS-NPDES Batch. ICIS-NPDES Batch recommends the use of the CDX Web Form instead of Client Node software.
Element	Formally, a unique start and end tag within an XML Submission File that has data sandwiched in between. Also informally called a Tag.
Exchange Network	EPA's hardware and software mechanism for exchanging data between states, tribes, EPA regions and EPA offices via Nodes.
Full Batch	Authorized NPDES states submitting more than just DMR data to ICIS-NPDES Batch and manually entering some or no data into ICIS-NPDES directly.
Full Node	Software residing on a Node that invokes CDX web services to electronically submit a zipped file containing XML Submission File(s) to ICIS-NPDES Batch.
Header Block	The second-level parent block within ICIS-NPDES XML Submission Files that provides information about the submitter and contents of the file.
Hybrid Batch	Authorized NPDES states electronically submitting only DMR data to ICIS-NPDES Batch and manually entering other data into ICIS-NPDES directly.
Implementer of Record	State, tribe or EPA Region responsible for data entry and management of ICIS-NPDES data.
Node	A point on the Exchange Network where data is requested or published from. Typically, it is hosted at a state, tribe or EPA region.
Node Administrator	State, tribe or EPA Region staff member responsible for a Node.
Parent Block	A high level element or tag that has child elements or tags below it instead of data sandwiched in between.
Parser	The part of the ICIS-NPDES Batch software that extracts data out of an XML Submission File and attempts to save it into ICIS-NPDES.
Parsing	The process of extracting data out of an XML file for processing.
Payload Block	A repeatable parent block of transactions for one data family.
Record Block	A repeatable parent block of transactions under the Payload Block.
Root Element	The single top-level element or tag within an XML file. The root element for ICIS-NPDES XML Submission Files is <Document>.
Schema	A series of master XML files that dictate the placement and characteristics of data and their elements or tags within an XML

Term	Definition
	Submission File.
Schema Validation	The process of comparing the layout and content of an XML Submission File against the ICIS-NPDES Batch schema using a special software package designed to check perform valid (tag location and data characteristics) and well-formed (start and end tags not missing) checks.
SOAP Messages	Type of electronic messages sent and received by a Full Node.
Tag	Informally, a unique start and end tag within an XML Submission File that has data sandwiched in between. Also formally called an Element.
Transaction ID	The ID assigned by CDX to a zipped file submitted to ICIS-NPDES Batch.
Web Methods	Java-based CDX functions invoked by a Node through SOAP messages. The CDX web methods used for ICIS-NPDES Batch are Authenticate, Submit, getStatus and Download
Well-formed	An XML Submission File that has all of its start and end tags present with no misspellings.
World Wide Web Consortium	Group of industry who developed XML, schema, SOAP and other web service technologies.
XML File	An ASCII text file that contains a list of elements or tags with data sandwiched between the tags.
XML Submission File, XML Instance Document	An XML file generated by a state, tribe or EPA region that is to be submitted to ICIS-NPDES Batch for processing.

Table 1-3. Glossary of Terms

2 ICIS-NPDES BATCH PROCESSING OVERVIEW

2.1 ICIS-NPDES BATCH PROCESSING

The ICIS-NPDES Batch load processing lifecycle consists of a state or Region submitter generating and submitting XML file(s) to ICIS-NPDES via their CDX node or CDX Web Form, CDX extracting and performing file validation on submitted files before sending them to ICIS-NPDES Batch, ICIS-NPDES Batch processing the transactions within the submission files, then the state or Region submitter viewing the results of their submission. Figure 2-1 illustrates this lifecycle.

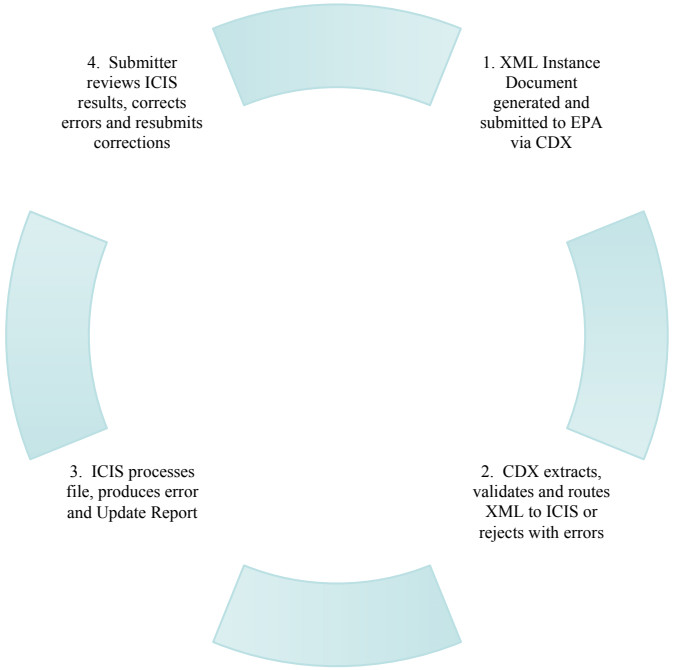


Figure 2-1. Lifecycle for ICIS-NPDES DMR Batch Processing

Figure 2-2 illustrates the flow of events for ICIS-NPDES Batch Processing that state and EPA region submitters experience. ICIS-NPDES Batch participant roles and responsibilities are described in the following subsection, and a discussion of each step in the ICIS-NPDES Batch lifecycle will be discussed in more detail starting with Section 3.

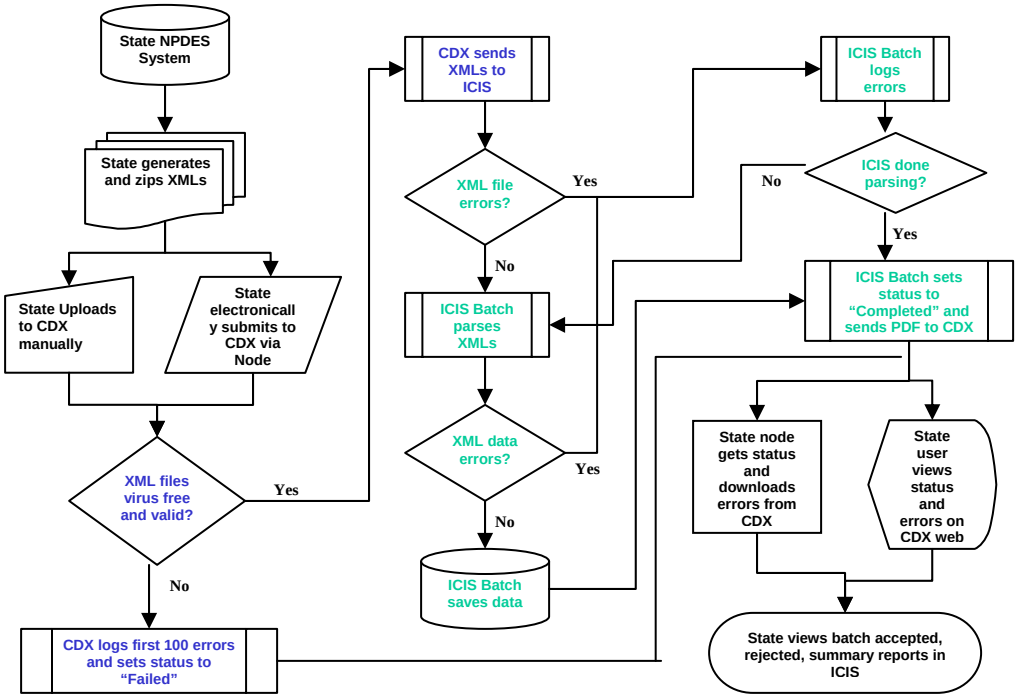


Figure 2-2. Flow of Events for ICI S-NPDES DMR Batch Processing

2.2 ROLES AND RESPONSIBILITIES

The following section details the roles and responsibilities needed to ensure successful processing of electronic data by CDX and ICIS-NPDES Batch.

2.2.1 State Roles and Responsibilities

The ICIS-NPDES batch process contains several steps that must all be successfully implemented to complete the process. These steps include:

1) producing the XML instance documents
2) submitting the XML instance documents to EPA through CDX
3) monitoring the load process
4) retrieving processing errors
5) fixing rejected data
6) resubmitting XML instance documents with corrected data through CDX

It is very important to assign responsibilities for each of these steps to ensure successful processing and to avoid miscommunications that could lead to the loading of erroneous data into the ICIS-NPDES Production system.

2.2.2 Implementer of Record

Implementer of Record (IOR) is the term used to describe the agency (state, tribe or EPA region) responsible for data entry and management of ICIS-NPDES data. Data entry and management responsibility does not equate to programmatic responsibility. States, tribes and EPA regions are responsible for determining data ownership areas and accurately reflecting these agreements in ICIS-NPDES.

Although National data in ICIS-NPDES resides in the same physical database, each authorized state, tribe or EPA region owns and controls access to its data. Security functions implemented at both the database and application levels prevent unauthorized users from changing data.

The IOR is implemented in ICIS-NPDES for data in which a state, tribe or EPA region is wholly responsible for their data within a given state. The ICIS-NPDES XML parsing software checks the first 2 characters of a Permit Identifier against internal mapping of ICIS User IDs and their allowable states. Data not owned by an IOR submitting batch files will not be processed.

2.2.3 Batch Submitter Roles and Responsibilities

The XML data must provide an accurate representation of NPDES DMR activity for a given state, tribe or EPA region as an XML instance document in a format acceptable to the ICIS-NPDES Batch XML parser. For example, DMRs, inspections and enforcement actions must be accurately identified to a particular permit and pipe.

Each ICIS-NPDES DMR batch submitter is responsible for:

- obtaining an ID for the ICIS Web upload form hosted on CDX
- obtaining access to the ICIS Batch Node through their own Node on the Exchange Network and invoking the Web Methods supported by ICIS Batch submissions
- obtaining an ICIS-NPDES system ID
- creating and maintaining code to produce XML instance documents from their data in a format acceptable to the ICIS-NPDES Batch parser and the ICIS-NPDES Production system
- validating XML instance documents against the ICIS-NPDES schema before submission
- uploading XML instance documents to CDX or routing them through their Network Node to the ICIS-NPDES Node
- monitoring the movement of their data through CDX and ICIS-NPDES
- correcting errors that cause their data to be rejected by CDX, the ICIS-NPDES Batch parser, or the ICIS-NPDES Production system
- notifying the CDX Help Desk or ICIS User Support of problems related to the movement of their data through CDX and into the ICIS-NPDES system

2.2.4 EPA Headquarters Roles and Responsibilities

CDX is responsible for:

- providing software and instructions on implementing Nodes on the Exchange Network
- assigning unique CDX IDs and mapping IDs into the ICIS-NPDES Batch Web upload form and Node
- resetting passwords for CDX IDs
- accepting and validating XML instance documents from submitters
- file movement and communication with ICIS-NPDES Batch
- operation and maintenance of CDX security, access and web methods
- operation and maintenance of the Exchange Network software and hardware
- archiving files submitted to ICIS-NPDES Batch
- performing virus scans and schema validation on incoming XML files
- providing e-mail status and CDX errors to submitters
- responding to problems in a timely manner
- hosting the ICIS-NPDES schema

ICIS-NPDES DMR Batch is responsible for:

- providing the ICIS-NPDES schemas containing the XML specifications
- assigning unique IDs for the ICIS-NPDES system
- resetting passwords for ICIS IDs
- accepting and validating XML instance documents from CDX
- processing XML instance documents provided by CDX
- electronically notifying CDX of the success or rejection of files during ICIS-NPDES Batch processing
- operation and maintenance of the ICIS-NPDES parser and the ICIS-NPDES system
- properly storing acceptable data into ICIS-NPDES
- responding to problems in a timely manner
- notifying submitters of schema updates as changes occur

2.2.5 EPA Region Roles and Responsibilities

Regardless of how the roles and responsibilities for the step-by-step batch submittal process are assigned between the state or tribe and EPA region, it is the region's responsibility to ensure that regular updates of the data are successfully loaded into ICIS-NPDES and coordinate among state and tribal submitters and Headquarters EPA as necessary. Batch updates are recommended at a minimum frequency of once a month (or more frequently if desired by the EPA region).

3 PREPARING FOR ICIS-NPDES BATCH

In order to be able to submit files to the ICIS-NPDES Production system, submitters must first map their data into the ICIS-NPDES schema, then develop and use their own software to generate XML files in a format acceptable to ICIS-NPDES Batch, obtain IDs to access CDX and the ICIS-NPDES system, and establish their own Node on the Exchange Network. Submitters then either submit their files manually via the ICIS-NPDES Batch Web upload form hosted on CDX, or electronically through their Node on the Exchange Network using CDX web services.

Submitters who use the ICIS-NPDES Production system to enter all data except DMR ("hybrid batch") will view the results of their batch submissions in ICIS by generating Batch Audit Reports. Submitters who do not enter data directly into the ICIS-NPDES Production system ("full batch") will receive the results of their submissions electronically.

Submitters should identify and correct any submissions that are rejected by CDX or ICIS-NPDES Batch and resubmit the corrections before submitting any new files to ICIS-NPDES Batch!

3.1 BATCH GENERATION SOFTWARE

States, tribes and EPA regions must develop their own software that extracts NPDES data out of their system, reformats the data into an XML file or "XML instance document" that is fully compatible with the ICIS-NPDES schema and the ICIS-NPDES Production system fields, use an XML Schema Validation software tool to validate the schema against the ICIS-NPDES Schema files, and compress the file before submitting it to ICIS-NPDES Batch.

Typical steps that a state, tribe or EPA region will follow to develop their generation software:

1. NPDES staff utilize mapping from Section 8 of this document and identify the screen and fields from their own NPDES system that relate to each ICIS-NPDES Batch tag as shown in the first yellow column in the example in Step 2.

2. Computer or Information Technology (IT) staff use the screens and fields mapped by NPDES staff and identify the tables and columns from their NPDES database as shown in the second yellow column in the example below:

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	Comments	State, Tribe, or Region System Screen and Field	State, Tribe, or Region System Table and Column
PermitIdentifier	Permit Number (NPID)			Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by	Permit Screen, "NPDES ID"	Permit.npdes_id

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	Comments	State, Tribe, or Region System Screen and Field	State, Tribe, or Region System Table and Column
				Region 6.		
PermittedFeatureIdentifier	Discharge Number (VDSC)			Same as PCS but allows 3 to 4 characters instead of just 3 and 3 characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit requirements assigned to their own unique LimitSetDesignators.	Outfall Screen, "Outfall Number"	Outfall.outfall_number

3. IT staff look at the examples in the ICIS-NPDES Example XML Instance Document (Figure 3-1) to learn how to structure their XML files for New, Change, Replace, Delete and Mass Delete transactions by data family.

   - Tags in bold or blue must exist in the XML file, tags in green can be repeated more than once
   - Pay attention to guidelines provided above each example New, Change, Replace, Delete and Mass Delete XML

```
<?xml version="1.0" encoding="UTF-8"?>
<Document xmlns="http://www.exchangenetwork.net/schema/icis/4" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Header>
        <ID>UUStaffed</ID>
        <Author>Jane Doe</Author>
        <Organization>UU Department of Environmental Protection</Organization>
        <Title>Permit Tracking Event Submission</Title>
        <CreationTime>2001-12-17T09:30:47.0Z</CreationTime>
        <Comment>2nd resubmittal of rejected transactions from May submission</Comment>
        <DataService>ICIS-NPDES</DataService>
        <ContactInfo>123 Main Street, Anytown UU, 00555, (888) 555-1212, jane.doe@nodeq.state.us</ContactInfo>
        <Property>
            <name>e-mail</name>
            <value>doe.john@state.us</value>
        </Property>
    </Header>
    <Payload Operation="PermitTrackingEventSubmission">
        <PermitTrackingEventData>
            <TransactionHeader>
                <TransactionType>N</TransactionType>
                <TransactionTimestamp>2001-12-17T09:30:47.0Z</TransactionTimestamp>
            </TransactionHeader>
            <PermitTrackingEvent>
                <PermitIdentifier>AL1005932</PermitIdentifier>
                <PermitTrackingEventCode>ANC</PermitTrackingEventCode>
                <PermitTrackingEventDate>2005-12-31</PermitTrackingEventDate>
                <PermitTrackingCommentsText>Application returned to applicant 3 times</PermitTrackingCommentsText>
            </PermitTrackingEvent>
        </PermitTrackingEventData>
    </Payload>
</Document>
```

Figure 3-1. ICIS-NPDES Example XML Instance Document Example

4. IT staff look at the ICIS-NPDES XML Data Exchange Template (Figure 3-2) to compare state fields against ICIS fields and adjust data as necessary:
   - Truncate fields (state may be storing first and last names with 50 characters but ICIS only stores 30 characters)
   - Convert fields (state may be storing N/A for quantity or concentration values but ICIS only stores a number)
   - Reformat fields (state may be storing dates as 31-DEC-2007 but ICIS stores dates as 2007-12-31

ICIS-NPDES Data Exchange Template

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules
PermitIdentifier	<PermitIdentifier>ZZ1005932</PermitIdentifier>	Yes	Yes for FormalEnforcementAction and InformalEnforcementAction No for all others	The ICIS-NPDES permit number in ssa999999 format, where ss is the State postal code or Region number, a is a letter or number, and 9999999 is a unique sequence of numbers. Either <PermitIdentifier> or facility location information must be ...	xsd:string	9	9	
PermitIssueDate	<PermitIssueDate>2004-12-31</PermitIssueDate>	No	No	The date the permit was issued.	xsd:date	10	10	ccyy-mm-dd

Figure 3-2. ICIS-NPDES XML Data Exchange Template Example

5. IT staff build a link between state codes and ICIS codes by using the ICIS table named in the Business Rules column of the ICIS-NPDES Data Exchange Template (Figure 3-3):
   - States using codes from EPA's Permit Compliance System (PCS) can use a spreadsheet provided by ICIS staff that maps PCS codes into ICIS codes
   - Names of the PCS and ICIS code tables are provided in the ICIS-NPDES XML Data Exchange Template

ICIS-NPDES Data Exchange Template

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules
NumericConditionText	<NumericConditionText>C3</NumericConditionText>	Yes	No	Identifies whether the limit value is for one of two available quantities or three available concentrations.	xsd:string	2	2	See ref_value_type table for acceptable values
NumericConditionUnitMeasureCode	<NumericConditionUnitMeasureCode>01</NumericConditionUnitMeasureCode>	Yes when adding a Limit No for all others	No	The code representing the unit of measure for the quantity or concentration limit value for the given parameter and limit set.	xsd:string	2	1	See ref_unit table for acceptable values

Figure 3-3. ICIS-NPDES XML Data Exchange Template with Example

6. IT staff read the ICIS Batch Technical Specifications to understand how to build their XML files
7. IT staff create module to generate XML files in the format required by ICIS Batch
8. IT staff incorporate a way to validate the XML files against the schema and zip them before sending them through CDX
9. Program staff upload zipped XML file(s) using the CDX web form for ICIS, or IT staff (Node Administrator) set up automated submissions using their state Node on the Exchange Network
10. Program staff review the ICIS-NPDES Batch Audit Report results and fixes any rejections

The following subsections explain in detail how to generate the XML file in a format that is wholly compatible with ICIS-NPDES Batch.

Hint

Be sure to use the detailed information in the:
* *ICIS-NPDES Data Exchange Template,*
* *ICIS-NPDES Example XML Instance Document, and*
* *ICIS-NPDES Batch Technical Specification*

to generate your XML submission files for ICIS-NPDES Batch!

3.2 TRANSACTIONAL PROCESSING

ICIS-NPDES Batch processes incoming XML instance documents by performing one of five activities on each record it encounters depending upon the data family:

1) New transaction (N)
2) Change transaction (C)
3) Replace transactions (R)
4) Delete transaction (D)
5) Mass Delete transaction (X).

These transactions are described in the next subsections.

3.2.1 New Transactions

The New transaction is intended to establish a new record in ICIS-NPDES with the data provided in the elements. Data for the key fields must exist along with fields that are mandatory for saving a record in ICIS-NPDES. The New transaction type is planned to be available for most data families except DMRs.

3.2.2 Change Transactions

The Change transaction modifies non-key field data in ICIS-NPDES. Data for the key fields must be provided and only those fields in ICIS-NPDES to be changed are submitted with this transaction type. An element with an asterisk denotes a field to be blanked out in ICIS-NPDES. The Change transaction type is available for most other data families. Refer to Section 3.5.4.1 for how multi-value items will be handled with a Change transaction.

3.2.3 Replace Transactions

The Replace transaction uses the key fields provided to add a record if it does not exist in ICIS or change non-key field data in ICIS-NPDES if the record exists in ICIS. Data for the key fields must be provided along with all fields in ICIS-NPDES that need to be added or changed when using this transaction type. Any fields missing from the XML or present in the XML with an asterisk will be blanked out in ICIS-NPDES. The Replace transaction type is being implemented for most data families. Refer to Section 3.5.4.1 for how multi-value items will be handled with a Replace transaction.

Any tags that are missing from a Replace transaction will blank out the corresponding fields in ICIS, so be sure to submit all of your record's data when using a replace transaction!

3.2.4 Delete Transactions

The Delete transaction deletes a record from ICIS-NPDES only if no other records are associated with it. Data for the key fields must be provided. Data in any non-key fields are ignored. The Delete transaction type is planned for only those records that have dependencies or child records, such as Permitted Features or Limits.

3.2.5 Mass Delete Transactions

The Mass Delete transaction deletes a record from ICIS-NPDES irregardless of whether other records are associated with or linked to it, or in the case of scheduled DMRs removes data from the DMR record and automatically generates non-receipt violations if applicable. When using a Mess Delete transaction, data for the key fields must be provided but data in any non-key fields are optional and will be ignored. The Mass Delete transaction type is being implemented for DMRs and is planned to be available for most data families. It is not being planned for the basic permit, general permit, master general permit, facility and permit reissuance data families.

Refer to the ICIS-NPDES Example XML Instance Document to see the XML transaction formats for each data family!

3.2.6 Processing Order of Transactions

The ICIS-NPDES Batch system will not allow batch submitters to add, change or delete data (either by full replacement or change method) that the submitter does not own. A batch submitter's XML submission file may include a combination of new, change and delete methods. For example, the delete transaction for enforcement action "A" above can be submitted at the same time as the delete transaction for limit "B" because ICIS-NPDES will process the limit change first. Parent records must exist in ICIS-NPDES before a child record can be added or changed. This parent can exist as a new transaction record in the same XML file as the child if it does not already exist in ICIS-NDPES.

Transactions are processed in an order loosely based upon the order used by PCS batch submissions. Data families representing parent records, such as basic permit and formal enforcement actions, are deleted, added, then changed before children records such as tracking events and DMR violations, are deleted, added or changed. Table 3-1 lists each submission type for all ICIS data families.

Submission Type	Valid Transaction Types
Discharge Monitoring Report	X, R, C
Basic Permit	D, N, R, C
Biosolids Permit	X, N, R, C
CAFO Permit	X, N, R, C
CSO Permit	X, N, R, C
General Permit	D, N, R, C
Limit Set	X, D, N, R, C
Limits	X, D, N, C
Master General Permit	D, N, R, C
Narrative Condition Schedule	X, R
Parameter Limits	X, D, R
Permit Reissuance	C
Permit Tracking Event	X, N, R, C
Permitted Feature	X, D, N, R, C
POTW Permit	X, N, R, C
Pretreatment Permit	X, N, R, C
SW Construction Permit	X, N, R, C
SW Industrial Permit	X, N, R, C
SW MS4 Large Permit	X, N, R, C
SW MS4 Small Permit	X, N, R, C
Unpermitted Facility	X, N, R, C
Compliance Monitoring	X, N, R, C
Federal Compliance Monitoring	X, R
Historical Permit Schedule	C

Submission Type	Valid Transaction Types
Master General Permit	D
Permit Termination	C
Biosolids Program Report	X, R
CAFO Annual Report	X, R
Compliance Monitoring Linkage	X, R
Compliance Schedule	X, R
CSO Event Report	X, R
DMR Program Report Linkage	X, R
DMR Violation	C
Effluent Trade Partner	X, N, R, C
Enforcement Action Milestone	R
Enforcement Action Violation Linkage	X, R
Final Order Violation Linkage	R
Formal Enforcement Action	X, N, R, C
Informal Enforcement Action	X, N, R, C
Local Limits Program Report	X, R
Pretreatment Performance Summary	X, R
Schedule Event Violation	C
Single Event Violation	X, N, R, C
SSO Annual Report	X, R
SSO Event Report	X, R
SSO Monthly Event Report	X, R
SW Event Report	X, R
SW MS4 Program Report	X, R
Copy Master General Permit Limit Set	N

Table 3-1. Transaction Types and Processing Order for ICIS Data Families

Table 3-2 lists the order in which the ICIS data families are processed by ICIS.

Sort Order	Submission Type	Transaction Type
1	Permit Reissuance	C
2	Enforcement Action Violation Linkage	X
3	DMR Program Report Linkage	X
4	Compliance Monitoring Linkage	X
5	Single Event Violation	X
6	Discharge Monitoring Report	X
7	Compliance Monitoring	X

Sort Order	Submission Type	Transaction Type
8	Federal Compliance Monitoring	X
9	SW MS4 Program Report	X
10	SW Event Report	X
11	SSO Monthly Event Report	X
12	SSO Event Report	X
13	SSO Annual Report	X
14	Pretreatment Performance Summary	X
15	Local Limits Program Report	X
16	CSO Event Report	X
17	CAFO Annual Report	X
18	Biosolids Program Report	X
19	Permit Tracking Event	X
20	Narrative Condition Schedule	X
21	Effluent Trade Partner	X
22	Limits	X
23	Parameter Limits	X
24	Limit Set	X
25	Permitted Feature	X
26	SW MS4 Small Permit	X
27	SW MS4 Large Permit	X
28	SW Industrial Permit	X
29	SW Construction Permit	X
30	POTW Permit	X
31	Pretreatment Permit	X
32	CSO Permit	X
33	CAFO Permit	X
34	Biosolids Permit	X
35	Compliance Schedule	X
36	Informal Enforcement Action	X
37	Formal Enforcement Action	X
38	Unpermitted Facility	X
39	Limits	D
40	Parameter Limits	D
41	Limit Set	D
42	Permitted Feature	D
43	General Permit	D
44	Master General Permit	D
45	Basic Permit	D
46	Basic Permit	N
47	Basic Permit	R

Sort Order	Submission Type	Transaction Type
48	Basic Permit	C
49	Master General Permit	N
50	Master General Permit	R
51	Master General Permit	C
52	General Permit	N
53	General Permit	R
54	General Permit	C
55	Unpermitted Facility	N
56	Unpermitted Facility	R
57	Unpermitted Facility	C
58	Formal Enforcement Action	N
59	Formal Enforcement Action	R
60	Formal Enforcement Action	C
61	Informal Enforcement Action	N
62	Informal Enforcement Action	R
63	Informal Enforcement Action	C
64	Enforcement Action Milestone	R
65	Compliance Schedule	R
66	Biosolids Permit	N
67	Biosolids Permit	R
68	Biosolids Permit	C
69	CAFO Permit	N
70	CAFO Permit	R
71	CAFO Permit	C
72	CSO Permit	N
73	CSO Permit	R
74	CSO Permit	C
75	Pretreatment Permit	N
76	Pretreatment Permit	R
77	Pretreatment Permit	C
78	POTW Permit	N
79	POTW Permit	R
80	POTW Permit	C
81	SW Construction Permit	N
82	SW Construction Permit	R
83	SW Construction Permit	C
84	SW Industrial Permit	N
85	SW Industrial Permit	R
86	SW Industrial Permit	C
87	SW MS4 Large Permit	N

Sort Order	Submission Type	Transaction Type
88	SW MS4 Large Permit	R
89	SW MS4 Large Permit	C
90	SW MS4 Small Permit	N
91	SW MS4 Small Permit	R
92	SW MS4 Small Permit	C
93	Permitted Feature	N
94	Permitted Feature	R
95	Permitted Feature	C
96	Limit Set	N
97	Limit Set	R
98	Limit Set	C
99	Parameter Limits	R
100	Limits	N
101	Limits	C
102	Copy MGP Limit Set	N
103	Effluent Trade Partner	N
104	Effluent Trade Partner	R
105	Effluent Trade Partner	C
106	Narrative Condition Schedule	R
107	Historical Permit Schedule	C
108	Permit Tracking Event	N
109	Permit Tracking Event	R
110	Permit Tracking Event	C
111	Biosolids Program Report	R
112	CAFO Annual Report	R
113	CSO Event Report	R
114	Local Limits Program Report	R
115	Pretreatment Performance Summary	R
116	SSO Annual Report	R
117	SSO Event Report	R
118	SSO Monthly Event Report	R
119	SW Event Report	R
120	SW MS4 Program Report	R
121	Federal Compliance Monitoring	R
122	Compliance Monitoring	N
123	Compliance Monitoring	R
124	Compliance Monitoring	C
125	Discharge Monitoring Report	R
126	Discharge Monitoring Report	C
127	DMR Violation	C

Sort Order	Submission Type	Transaction Type
128	Schedule Event Violation	C
129	Single Event Violation	N
130	Single Event Violation	R
131	Single Event Violation	C
132	Compliance Monitoring Linkage	R
133	DMR Program Report Linkage	R
134	Enforcement Action Violation Linkage	R
135	Final Order Violation Linkage	R
136	Permit Termination	C

Table 3-2. Transaction Types and Processing Order for ICIS Data Families

When a permit is reissued, the permit reissuance XML must be submitted in the same batch with its effluent (permitted feature, limit set, and limit) data!

Important dependancies exist with pretreatment permit component records regarding the program required indicator codes and their relationship to other permits. Table 3-3 lists the order in which pretreatment permit component submissions are processed by ICIS.

Sort Order	Submission Type	Transaction Type	Pretreatment Program Required Indicator Code Submitted
1	Pretreatment Permit	X	C
2	Pretreatment Permit	X	E
3	Pretreatment Permit	X	R
4	Pretreatment Permit	X	S
5	Pretreatment Permit	X	Y
6	Pretreatment Permit	X	(Not Submitted)
7	Pretreatment Permit	N	Y
8	Pretreatment Permit	N	S
9	Pretreatment Permit	N	R
10	Pretreatment Permit	N	E
11	Pretreatment Permit	N	C
12	Pretreatment Permit	N	(Not Submitted)
13	Pretreatment Permit	R	Y
14	Pretreatment Permit	R	S
15	Pretreatment Permit	R	R
16	Pretreatment Permit	R	E

17	Pretreatment Permit	R	C
18	Pretreatment Permit	R	(Not Submitted)
19	Pretreatment Permit	C	Y
20	Pretreatment Permit	C	S
21	Pretreatment Permit	C	R
22	Pretreatment Permit	C	E
23	Pretreatment Permit	C	C
24	Pretreatment Permit	C	(Not Submitted)

Table 3-3. Processing Order for Pretreatment Permit Component Records

3.3 NAMING CONVENTIONS AND FIELD LEVEL RULES FOR XML INSTANCE DOCUMENTS

The ICIS-NPDES Batch DMR XML instance documents should follow the naming convention of **ICISSSCCYYMMDDaaaa.xxx** where:

ICIS	=	Abbreviation for ICIS-NPDES
SS	=	State Postal Code of the Activity Location for this submission or Region Code (R1 through R0 for Region 1 through Region 10)
CC	=	Two digit century
YY	=	Two digit year
MM	=	Two digit month
DD	=	Two digit day
aaaa	=	Any length of optional characters to be selected by the submitter to provide further identification and uniqueness
.xxx	=	File extension of .ZIP or .XML

XML data files must be developed using the W3C XML standards and be well-formed and valid according to the ICIS-NPDES schema posted on the Exchange Network site. Submitters must perform well-formedness and validation checks on the XMLs before submitting them to CDX. If rejected, CDX will identify the first 100 schema validation errors encountered and report this information back to the users within a file called submission-metadata.xml.

If one or more files combined exceed 80 megabytes when zipped, the file or files must be split into two or more zip compressed files. Zip compressed files must conform to PKWARE's (de facto) compression, which are available for download at http://www.winzip.com or http://www.pkware.com. A java utility for zipping compressed files before submitting them to

CDX can be downloaded at http://java.sun.com/j2se/1.4.2/docs/api/java/util/zip/package-summary.html.

Due to the large size of XML files, Headquarters EPA requires the compression of all XML instance documents into one zipped file before submitting them to CDX. XML and zip compressed submission files should be named using the convention specified above. If a submission file is not zipped or contains a file other than an XML file, is not valid according to the ICIS-NPDES Batch schema or is infected with a virus, the CDX interface will return a (Simple Object Access Protocol) SOAP error message or XML file describing the first 100 errors encountered.

Be sure to zip XML files before submitting them to ICIS-NPDES Batch via your CDX Node or the CDX Web Form!

3.4 DATA TYPE FORMATS

The next five subsections detail the data type formats that are allowable for tags or elements within the XML files.

3.4.1 Character Data Type

Elements in the ICIS-NPDES XML Data Exchange Template having the character data type contain alphanumeric data. The length of the data is specified for each element. This data should have leading and trailing spaces removed.

Valid characters for alphanumeric fields are limited to:

~ ! # $ % ^ * ( ) _ + - [ ] \ = : ; ? , . / @ 1 2 3 4 5 6 7 8 9 0 A a B b C c D d E e F f G g H h I I J j K k L l M m N n O o P p Q q R r S s T t U u V v W w X x Y y Z z

Invalid characters for alphanumeric fields include:

{ } | <>&'" (curly brackets, pipe or concatenation character, less than, greater than, ampersand, apostrophe, quotation mark)

The symbols for less than, greater than, ampersand, apostrophe and quotation mark must be substituted as:

Invalid Character	Valid Substitution
>	>
<	<
&	&
‘	'
“	"

Examples of character elements with alphanumeric data are:

<Address>**123 Main Street, #5**</Address>

<Comment>**The corner of Main *&* Franklin streets**</Comment>.

3.4.2 Integer Data Type

Elements in the ICIS Tag Element Dictionary having the integer data type contain numbers 0-9 and numeric operation characters such as < > - + **.** (decimal point). The length and format of the data is specified for each element. Common formats are whole numbers, numbers with floating decimals and number within a range such as 01 to 60. Leading and trailing spaces should be removed from integer the data. Leading and trailing zeroes are acceptable but an operation character must be located to the immediate left of the number.

Examples of an integer element with correct and incorrect numeric data are shown below:

Value	Incorrect	Correct	Correct
-456	456-	-456	-00456.0
789	789+	+789.0	+0789

3.4.3 Fixed Decimal Fields

Elements in the ICIS Tag Element Dictionary having the fixed decimal data type contain numbers 0-9 and numeric operation characters such as < > - + **.** (decimal point) beginning with an optional operation character followed by a string of numbers in varying length, then a decimal point followed by a string of numbers as specified.

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

Leading and trailing spaces should be removed from integer data. Leading and trailing zeroes are acceptable, but an operation character must be located to the immediate left of the number.

Examples of integer elements with a correct and incorrect data with fixed decimal of 6,2 is shown below:

Value	Incorrect	Correct	Correct
$25	25	25.00	+000025.00
467.358	467.358	467.36	467.00

3.4.4 Date Fields

Elements in the ICIS Tag Element Dictionary having the date data type must be provided in CCYY-MM-DD format where CC is the century, YY is the year, MM is the month and DD is the day. Leading zeros must be provided where appropriate.

Examples of date field elements with correct and incorrect data are shown below:

Date	Incorrect	Incorrect	Correct
January 31, 1999	990131	Jan. 3, 1999	1999-01-31
January 31, 2001	20010131	01-31-01	2001-01-31

3.4.5 Empty Fields

All mandatory tags must be present in an XML instance document submitted to ICIS. All non-mandatory tags have constraints placed upon them by ICIS-NPDES batch schema to avoid data quality issues. If a non-mandatory tag is present in the XML file it must contain data – empty tags such as:

<FirstName></FirstName>

and null tags that are missing data like:

</FirstName>

are not allowed and will cause rejections. To blank out existing data, either submit a Change transaction using an asterisk for each tag to be blanked out, like this:

<FirstName>*</FirstName>

or submit a Replace transaction that is missing the tags to be blanked out.

Do not use empty or null tags within your XML files!

3.5 FILE FORMAT CONVENTIONS FOR XML INSTANCE DOCUMENTS

ICIS-NPDES Batch is currently designed to accept up to 47 different types of XML instance documents based upon ICIS-NPDES data families, although only the DMR data family will be in production in Fiscal Year 2008. Data for these families can be submitted as one large XML instance document with all data families combined or one XML instance document for each data family. To avoid having difficulties finding errors in large files, users may want to submit each data family in its own XML file unless adding a new permit with its associated data.

3.5.1 Root Element and Header Block

All incoming XML instance documents must have the "Document" tag as the root element followed by a group of mandatory header elements or a "header block". The Document tag

provides the location of the ICIS-NPDES schema and the name of the main schema to validate against.

The header block elements provide information on the submitter and the XML instance document being submitted. Figure 3-4 shows an excerpt of a valid XML instance document with the correct placement and use of the document root element and the header block. Details on the characteristics of the elements for this header block are included in ICIS-NPDES XML Tag Dictionary. Lines in bold typeface must always be in the XML file and lines in blue must be in the XML file only if the parent tag is present.

```
<?xml version="1.0" encoding="UTF-8"?>
<Document xmlns="http://www.exchangenetwork.net/schema/icis/4" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Header>
        <Id>UUStaffer1</Id>
        <Author>Jane Doe</Author>
        <Organization>UU Department of Environmental Protection</Organization>
        <Title>Basic Permit Submission</Title>
        <CreationTime>2001-12-17T09:30:47.0Z</CreationTime>
        <Comment>2nd resubmittal of rejected transactions from May submission</Comment>
        <DataService>ICIS-NPDES</DataService>
        <ContactInfo>123 Main Street, Anytown UU, 00555, (888) 555-1212, jane.doe@uudeq.state.us</ContactInfo>
        <Property>
            <name>e-mail</name>
            <value>doe.john@state.gov</value>
        </Property>
    </Header>
    …
</Document>
```

Figure 3-4. Document Root Element and Header Block of an ICIS XML Instance Document

Each XML file must contain only one Header Block.

3.5.2 Payload Block

Below the Header block is the "payload block". The payload tag starting this block acts as the parent tag for the start of submission for one or more of the 44 submission types by using an Operation attribute to identify which submission type follows. The Operation attribute format is: Operation= "xxx", where xxx is the name of one of the submission types recognized by the ICIS-NPDES schema.

At least one payload block must be present in an XML instance document in order for it to be processed. A state may submit more than one data families in their own XML file with the appropriate payload tag, or within the same XML file containing multiple payload block. Multiple payload blocks can exist as long as there is only one for each submission type. Figure 3-5 is an excerpt of a valid XML instance document with the correct placement and use of only one record block with its Payload tag and its Operation attribute set to "DischargeMonitoringReportSubmission". Lines in bold typeface must always be in the XML file and lines in blue must be in the XML file only if the parent tag is present.

```
<?xml version="1.0" encoding="UTF-8"?>
<Document xmlns="http://www.exchangenetwork.net/schema/icis/4" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Header>
        <Id>UUStaffer1</Id>
        <Author>Jane Doe</Author>
        <Organization>UU Department of Environmental Protection</Organization>
        <Title>Basic Permit Submission</Title>
        <CreationTime>2001-12-17T09:30:47.0Z</CreationTime>
        <Comment>2nd resubmittal of rejected transactions from May submission</Comment>
        <DataService>ICIS-NPDES</DataService>
        <ContactInfo>123 Main Street, Anytown UU, 00555, (888) 555-1212, jane.doe@uudeq.state.us</ContactInfo>
        <Property>
            <name>e-mail</name>
            <value>doe.john@epa.gov</value>
        </Property>
    </Header>
    <Payload Operation="DischargeMonitoringReportSubmission">
        …
    </Payload>
</Document>
```

Figure 3-5. Single Payload Block of an ICIS XML Instance Document

Figure 3-6 is an excerpt of a valid XML instance document with the correct placement and use of multiple payload blocks, one with an Operation attribute of "BasicPermitSubmission" and the other with an Operation attribute of "DischargeMonitoringReportSubmission". Note that "BasicPermitSubmission" and "DischargeMonitoringReportSubmission" can only be used as Operation attributes once within the same XML submission file. Lines in bold typeface must always be in the XML file and lines in blue must be in the XML file only if the parent tag is present.

```
<?xml version="1.0" encoding="UTF-8"?>
<Document xmlns="http://www.exchangenetwork.net/schema/icis/4" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Header>
        <Id>UUStaffer1</Id>
        <Author>Jane Doe</Author>
        <Organization>UU Department of Environmental Protection</Organization>
        <Title>Basic Permit Submission</Title>
        <CreationTime>2001-12-17T09:30:47.0Z</CreationTime>
        <Comment>2nd resubmittal of rejected transactions from May submission</Comment>
        <DataService>ICIS-NPDES</DataService>
        <ContactInfo>123 Main Street, Anytown UU, 00555, (888) 555-1212, jane.doe@uudeq.state.us</ContactInfo>
        <Property>
            <name>e-mail</name>
            <value>doe.john@epa.gov</value>
        </Property>
    </Header>
    <Payload Operation="BasicPermitSubmission">
        … (all permits to be added, changed or replaced must be listed in this section)
    </Payload>
    <Payload Operation="DischargeMonitoringReportSubmission">
        … (all DMRs to be changed, replaced or mass deleted must be listed in this section)
    </Payload>
</Document>
```

Figure 3-6. Consecutive Repeating Payload Blocks of an ICIS XML Instance Document

Data families may be submitted in their own XML or combined into one XML file with Multiple Payload Blocks. Multiple Payload Blocks can exist in the same XML file as long as there is only one Operation Attribute for each submission type.

3.5.3 Record Block

The next block in the XML instance document is the "record block". This block represents one parent data family record to be added, changed, replaced, deleted or mass deleted by ICIS-NPDES Batch, such as a specific permit, inspection, enforcement action or DMR. The tag name is identical to the name used as the Operation attribute except the "Submission" suffix is replaced with a "Data" suffix.

Each record block contains a "transaction type block" followed by a "data block". The transaction block tells the ICIS-NPDES parser whether to add, change, replace, delete or mass delete the parent data family record whose key and optional data are in the data block. Refer to Section 3.2 (Transactional Processing) for an explanation of each transaction type planned for the various data families.

One or more parent data family record blocks must be present in an XML instance document in order for the data to be processed. Multiple record blocks should be repeated consecutively within the same Payload block. Figure 3-7 shows an excerpt of an XML instance document with repeating DischargeMonitoringReportData record blocks, each containing only one transaction block and one DischargeMonitoringReport data block.

Lines in bold typeface must always be in the XML file and lines in blue must be in the XML file only if the parent tag is present.

```
<?xml version="1.0" encoding="UTF-8"?>
<Document xmlns="http://www.exchangenetwork.net/schema/icis/4" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Header>
        <Id>UUStaffer1</Id>
        <Author>Jane Doe</Author>
        <Organization>UU Department of Environmental Protection</Organization>
        <Title>Basic Permit Submission</Title>
        <CreationTime>2001-12-17T09:30:47.0Z</CreationTime>
        <Comment>2nd resubmittal of rejected transactions from May submission</Comment>
        <DataService>ICIS-NPDES</DataService>
        <ContactInfo>123 Main Street, Anytown UU, 00555, (888) 555-1212, jane.doe@uudeq.state.us</ContactInfo>
        <Property>
            <name>e-mail</name>
            <value>doe.john@state.us</value>
        </Property>
    </Header>
    <Payload Operation="BasicPermitSubmission">
        …
    </Payload>
    <Payload Operation="DischargeMonitoringReportSubmission">
        <DischargeMonitoringReportData>
            <TransactionHeader>
                <TransactionType>R</TransactionType>
                <TransactionTimestamp>2001-12-17T09:30:47.0Z</TransactionTimestamp>
            </TransactionHeader>
            <DischargeMonitoringReport>
                … (data for the 1st DMR to be changed, replaced or mass deleted)
```

```
                    </DischargeMonitoringReport>
                </DischargeMonitoringReportData>
                <DischargeMonitoringReportData>
                    <TransactionHeader>
                        <TransactionType>R</TransactionType>
                        <TransactionTimestamp>2001-12-17T09:30:47.0Z</TransactionTimestamp>
                    </TransactionHeader>
                    <DischargeMonitoringReport>
                        . . . (data for the 2nd DMR to be changed, replaced or mass deleted)
                    </DischargeMonitoringReport>
                </DischargeMonitoringReportData>
                <DischargeMonitoringReportData>
                    <TransactionHeader>
                        <TransactionType>C</TransactionType>
                        <TransactionTimestamp>2001-12-17T09:30:47.0Z</TransactionTimestamp>
                    </TransactionHeader>
                    <DischargeMonitoringReport>
                        . . . (data for the 3rd DMR to be changed, replaced or mass deleted)
                    </DischargeMonitoringReport>
                </DischargeMonitoringReportData>
                <DischargeMonitoringReportData>
                    <TransactionHeader>
                        <TransactionType>X</TransactionType>
                        <TransactionTimestamp>2001-12-17T09:30:47.0Z</TransactionTimestamp>
                    </TransactionHeader>
                    <DischargeMonitoringReport>
                        . . . (data for the 4th DMR to be changed, replaced or mass deleted)
                    </DischargeMonitoringReport>
                </DischargeMonitoringReportData>
            </Payload>
            <Payload Operation="DMR ProgramReportLinkageSubmission">
                …
            </Payload>
</Document>
```

Figure 3-7. Discharge Monitoring Report Record Blocks of an ICIS XML Instance Document

Each record block must contain data for an entire parent data family record, such as a particular permit, inspection, enforcement action or DMR.

Table 3-4 provides a listing of each submission type with its Payload Operation attribute value to use, along with the record block tag name and data block tag name.

Submission Type	Payload Operation Attribute	Record Block	Data Block
Basic Permit	"BasicPermitSubmission"	BasicPermitData	BasicPermit
Biosolids Permit Component	"BiosolidsPermitSubmission"	BiosolidsPermitData	BiosolidsPermit
Biosolids Program Report	"BiosolidsProgramReportSubmission"	BiosolidsProgramReportData	BiosolidsProgramReport
CAFO Annual Report	"CAFOAnnualReportSubmission"	CAFOAnnualReportData	CAFOAnnualReport

Submission Type	Payload Operation Attribute	Record Block	Data Block
CAFO Permit Component	"CAFOPermitSubmission"	CAFOPermitData	CAFOPermit
Compliance Monitoring Linkage	"ComplianceMonitoringLinkageSubmission"	ComplianceMonitoringLinkageData	ComplianceMonitoringLinkage
Compliance Monitoring	"ComplianceMonitoringSubmission"	ComplianceMonitoringData	ComplianceMonitoring
Compliance Schedule	"ComplianceScheduleSubmission"	ComplianceScheduleData	ComplianceSchedule
CSO Event Report	"CSOEventReportSubmission"	CSOEventReportData	CSOEventReport
CSO Permit	"CSOPermitSubmission"	CSOPermitData	CSOPermit
DMR Violation	"DMRViolationSubmission"	DMRViolationData	DMRViolation
Discharge Monitoring Report	"DischargeMonitoringReportSubmission"	DischargeMonitoringReportData	DischargeMonitoringReport
DMR Program Report Linkage	"DMRProgramReportLinkageSubmission"	DMRProgramReportLinkageData	DMRProgramReportLinkage
Enforcement Action Violation Key	"EnforcementActionViolationKeySubmission"	EnforcementActionViolationKeyData	EnforcementActionViolationKey
Effluent Trade Partner	"EffluentTradePartnerSubmission"	EffluentTradePartnerData	EffluentTradePartner
Enforcement Action Milestone	"EnforcementActionMilestoneSubmission"	EnforcementActionMilestoneData	Milestone
Federal Compliance Monitoring	"FederalComplianceMonitoringSubmission"	FederalComplianceMonitoringData	FederalComplianceMonitoring
Formal Enforcement Action	"FormalEnforcementActionSubmission"	FormalEnforcementActionData	FormalEnforcementAction
General Permit Covered Facility	"GeneralPermitSubmission"	GeneralPermitData	GeneralPermit
Historical Permit Schedule	"HistoricalPermitScheduleEventsSubmission"	HistoricalPermitScheduleEventsData	HistoricalPermitScheduleEvents
Informal Enforcement Action	"InformalEnforcementActionSubmission"	InformalEnforcementActionData	InformalEnforcementAction
Limit Set	"LimitSetSubmission"	LimitSetData	LimitSet
Limit	"LimitsSubmission"	LimitsData	Limits
Local Limit Program Report	"LocalLimitsProgramReportSubmission"	LocalLimitsProgramReportData	LocalLimitsProgramReport
Master General Permit	"MasterGeneralPermitSubmission"	MasterGeneralPermitData	MasterGeneralPermit
Narrative Condition	"NarrativeConditionScheduleSubmission"	NarrativeConditionScheduleData	NarrativeCondition
Parameter Limits	"ParameterLimitsSubmission"	ParameterLimitsData	ParameterLimits
Permit Reissuance	"PermitReissuanceSubmission"	PermitReissuanceData	PermitReissuance
Permit Termination	"PermitTerminationSubmission"	PermitTerminationData	PermitTermination
Permit Tracking Event	"PermitTrackingEventSubmission"	PermitTrackingEventData	PermitTrackingEvent
Permitted Feature	"PermittedFeatureSubmission"	PermittedFeatureData	PermittedFeature
POTW Permit Component	"POTWPermitSubmission"	POTWPermitData	POTWPermit

Submission Type	Payload Operation Attribute	Record Block	Data Block
Pretreatment Permit Component	"PretreatmentPermitSubmission"	PretreatmentPermitData	PretreatmentPermit
Pretreatment Performance Summary	"PretreatmentPerformanceSummarySubmission"	PretreatmentPerformanceData	PretreatmentPerformance
Schedule Event Violation	"ScheduleEventViolationSubmission"	ScheduleEventViolationData	ScheduleEventViolation
Single Event Violation	"SingleEventViolationSubmission"	SingleEventViolationData	SingleEventViolation
SSO Annual Report	"SSOAnnualReportSubmission"	SSOAnnualReportData	SSOAnnualReport
SSO Event Report	"SSOEventReportSubmission"	SSOAnnualReportData	SSOAnnualReport
SSO Monthly Event Report	"SSOMonthlyEventReportSubmission"	SSOMonthlyEventReportData	SSOMonthlyEventReport
Storm Water Construction Permit Component	"SWConstructionPermitSubmission"	SWConstructionPermitData	SWConstructionPermit
Storm Water Event Report	"SWEventReportSubmission"	SWEventReportData	SWEventReport
Storm Water Industrial Permit Component	"SWIndustrialPermitSubmission"	SWIndustrialPermitData	SWIndustrialPermit
Storm Water MS4 Large Permit Component	"SWMS4LargePermitSubmission"	SWMS4LargePermitData	SWMS4LargePermit
Storm Water MS4 Program Report	"SWMS4ProgramReportSubmission"	SWMS4ProgramReportData	SWMS4ProgramReport
Storm Water MS4 Small Permit Component	"SWMS4SmallPermitSubmission"	SWMS4SmallPermitData	SWMS4SmallPermit
Unpermitted Facility	"UnpermittedFacilitySubmission"	UnpermittedFacilityData	UnpermittedFacility

Table 3-4. Operation Attribute, Record Block and Data Block for each Submission Type

3.5.4 Data Blocks

Data blocks contain key field tags at the top to identify the record followed by other mandatory and optional tags. Only key field tags need to be provided when delete and mass deleting a parent data family record. If non-key parent data family tags are present the ICIS-NPDES parser will ignore them.

3.5.4.1 Multi-Value Tags

Data fields or parent/child for which multiple values can be entered are referred to in ICIS Batch as multi-value items. These values represent one or more child records for a parent record, such as multiple child SIC codes for a permit. Whenever tags for one of these multi-value items are included in a Data Block, ICIS will replace all existing values for that item with the values submitted in the tag(s) regardless of the transaction type submitted. There are two categories of multi-value items:

1) Individual Data Tag – The simplest kind of multi-value item consists of one data tag that can be repeated multiple times within a transaction. Below is an example of a Basic Permit and

General Permit Covered Facility Individual Data Tag multi-value item (FacilityClassification) repeated three times:

```
<FacilityClassification>APE</FacilityClassification>
<FacilityClassification>BIO</FacilityClassification>
<FacilityClassification>CIN</FacilityClassification>
```

2) Multiple Data Tags – Some multi-value items contain multiple data tags which can be repeated as a group multiple times within a transaction. Below is an example of a Basic Permit Multiple Data Tag multi-value parent/child block called OtherPermits repeated two times:

```
<OtherPermits>
   <OtherPermitIdentifier>VA123</OtherPermitIdentifier>
   <OtherOrganizationName>Department of Health</OtherOrganizationName>
   <OtherPermitIdentifierContextName>Well permit</OtherPermitIdentifierContextName>
</OtherPermits>
<OtherPermits>
   <OtherPermitIdentifier>VAA1098</OtherPermitIdentifier>
   <OtherOrganizationName>County Government</OtherOrganizationName>
   <OtherPermitIdentifierContextName>Well permit</OtherPermitIdentifierContextName>
</OtherPermits>
```

If data already exist for one of these multi-value items for the Permit in ICIS and the user wishes to add new values while keeping the existing values, they would include all of the values that they wish to have for the field (i.e., all existing values, plus the new values) in their XML submission. The table below provides an example.

Adding to a Multi-Value Item List

FacilityClassification in ICIS DB	FacilityClassification in XML Submission	Result in ICIS DB After Processing
APE	APE	APE
BIO	BIO	BIO
	CIN	CIN

If data already exist for one of these multi-value items for the Permit in ICIS and the user wishes to change one of the values, they would include all of the values that they wish to have for the field (i.e., existing values they wish to keep, plus new values) in their XML submission. The table below provides an example.

Changing to a Multi-Value Item List

FacilityClassification in ICIS DB	FacilityClassification in XML Submission	Result in ICIS DB After Processing
APE	APE	APE
BIO		
	CIN	CIN

If data already exist for one of these multi-value items for the Permit in ICIS and the user wishes to remove one of the values, they would include all of the values that they wish to have for the

field (i.e., existing values they wish to keep) in their XML submission. The table below provides an example.

Deleting from a Multi-Value Item List

FacilityClassification in ICIS DB	FacilityClassification in XML Submission	Result in ICIS DB After Processing
APE	APE	APE
BIO		
CIN		

3.5.4.2 Asterisks

Users must also have the ability to blank out all values for these multi-value items. This is accomplished by submitting one row of the multi-value item with an asterisk as the value. The rules for doing this are described below.

3.5.4.2.1.1 Individual Data Tag

If an asterisk is submitted in an individual data tag, ICIS will blank out all existing values for the corresponding field. For example, to remove all codes for the single multi-value tag EffluentGuidelineCode from a permit, the affected permit's XML data block must contain:

<EffluentGuidelineCode>*</EffluentGuidelineCode>

3.5.4.2.1.2 Multiple Data Tags

The rules for processing Multiple Data Tags are:

- If asterisks are submitted in all required tags and the optional tags are not included, ICIS will blank out all existing values for the corresponding multi-value item.
- If asterisks are submitted in all required tags and values are submitted in one or more optional tags, ICIS will blank out all existing values for the corresponding multi-value item (ignoring the data in the optional tags).
- If asterisks are submitted in some required tags and values are submitted in other required tags, ICIS will reject the transaction. This is addressed through business rules, with error messages, detailed in the business rules table.
- If there are no required tags for a multi-value item and asterisks are entered in one or more of the optional tags:
    - If only asterisks are submitted, ICIS will blank out all existing values for the corresponding multi-value item.
    - If a combination of asterisks and values are submitted, ICIS will reject the transaction. This is addressed through business rules, with error messages, detailed in the business rules table.

For example, to remove all contacts for a permit, the parent multi-value tag PermitContact in the permit's data block in the XML file must contain:

```
<PermitContact>
        <Contact>
                <AffiliationTypeText>*</AffiliationTypeText>
                <FirstName>*</FirstName>
                <LastName>*</LastName>
                <IndividualTitleText>*</IndividualTitleText>
        </Contact>
</PermitContact>
```

As noted above, asterisks should only be used as an indication to blank out all values for a field, and that should be the only row of data that is submitted for that field. However, it is possible that a transaction will contain multiple rows of a multi-value item, some with asterisks and some without. In that situation, ICIS will evaluate each row for validity. If any rows are invalid, ICIS will reject the transaction. If all rows are valid, ICIS will save only the values submitted, ignoring the "blanked out" rows.

Table 3-5 contains a list of all single and parent multi-value tags. The list is grouped by Schema Name. Schema Data listed in this table can have all values removed using asterisks except:

- PermitContact
- LimitSetSchedule
- ComplianceMonitoringActionReasonCode
- ComplianceMonitoringAgencyTypeCode
- PermitIdentifier
- EnforcementActionTypeCode
- ProgramsViolatedCode
- MonthLimitApplies
- LimitSetMonthsApplicable

These items must have at least one permittee contact for a permit having an affiliation_type_code of "PMA", one schedule for a limit set, one permit identifier for an enforcement action, one code for an enforcement action or inspection, or one month associated with the limit set or limit.

Schema Name	Schema Data	Mandatory Tags/Child Tags for Deleting All Values

Schema Name	Schema Data	Mandatory Tags/Child Tags for Deleting All Values
BasicPermitData	1. SICCodeDetails 2 NAICSCodeDetails 3. OtherPermits 4. AssociatedPermit 5. FacilityClassification 6. PolicyCode 7. OriginatingPrograms 8. FacilityContact 9. FacilityAddress 10. PermitContact 11. PermitAddress 12. EffluentGuidelineCode	1.SICCode, SICPrimaryIndicatorCode 2. NAICSCode, NAICSPrimaryIndicatorCode 3. OtherPermitIdentifier 4. AssociatedPermitIdentifier, AssociatedPermitReasonCode 5. FacilityClassification 6. PolicyCode 7. OriginatingPrograms 8. AffiliationTypeText, FirstName, LastName, IndividualTitleText 9. AffiliationTypeText, OrganizationFormalName, MailingAddressText, MailingAddressCityName, MailingAddressStateCode, MailingAddressZipCode 10. AffiliationTypeText, FirstName, LastName, IndividualTitleText 11. Cannot delete all; must have at least the Permittee Address in ICIS 12. EffluentGuidelineCode
BiosolidsPermitData	1. BiosolidsTypeCode 2. BiosolidsEndUseDisposalType 3. BiosolidsPermitContact	1. BiosolidsTypeCode 2. BiosolidsEndUseDisposalType 3. AffiliationTypeText, FirstName, LastName, IndividualTitleText
CAFOAnnualReportData	1. ReportedAnimalType	1. AnimalTypeCode
CAFOPermitData	1. CAFOContact 2. AnimalType 3. ManureLitterProcessedWastewaterStorage 4. Containment 5. LandApplication	1. AffiliationTypeText, FirstName, LastName, IndividualTitleText 2. AnimalTypeCode 3. ManureLitterProcessedWastewaterStorageType 4. ContainmentTypeCode 5. LandApplicationBMPTypeCode
ComplianceMonitoringData	1. ComplianceInspectionTypeCode 2. ComplianceMonitoringActionReasonCode 3. ComplianceMonitoringAgencyTypeCode 4. ProgramCode 5. NationalPrioritiesCode 6. InspectonContact CAFO INSPECTION 1. AnimalType 2. ManureLitterProcessedWastewaterStorage 3. Containment 4. LandApplicationBMP 5. CAFOInspectionViolationTypeCode PRETREATMENT INSPECTION 1. LocalLimitsPollutantCode 2. RemovalCreditsPollutantCode SSO INSPECTION 1. ImpactSSOEvent 2. SSOSystemComponent 3. SSOSteps STORMWATER MS4 INSPECTION 1. ProjectedSourcesFundingCode	1. ComplianceInspectionTypeCode 2. ComplianceMonitoringActionReasonCode 3. ComplianceMonitoringAgencyTypeCode 4. ProgramCode 5. NationalPrioritiesCode 6. AffiliationTypeText, FirstName, LastName, IndividualTitleText CAFO INSPECTION 1. AnimalTypeCode 2. ManureLitterProcessedWastewaterStorageType 3. ContainmentTypeCode 4. LandApplicationBMPTypeCode 5. CAFOInspectionViolationTypeCode PRETREATMENT INSPECTION 1. LocalLimitsPollutantCode 2. RemovalCreditsPollutantCode SSO INSPECTION 1. ImpactSSOEvent 2. SSOSystemComponent 3. StepsReducePreventMitigate STORMWATER MS4 INSPECTION 1. ProjectedSourcesFundingCode

Schema Name	Schema Data	Mandatory Tags/Child Tags for Deleting All Values
CSOPermitData	1. SatelliteCollectionSystem	1. SatelliteCollectionSystemIdentifier 2. SatelliteCollectionSystemName
DischargeMonitoringReportData	1. CropTypesPlanted 2. CropTypesHarvested	1. CropTypesPlanted 2. CropTypesHarvested
FederalComplianceMonitoringData	1. ComplianceMonitoringActionReasonCode 2. ComplianceMonitoringAgencyTypeCode 3. ProgramCode 4. NationalPrioritiesCode 5. InspectonContact 6. InspectionGovernmentContact 7. LawSectionCode 8. RegionalPriorityCode 9. SICCode 10. NAICSCode 11. DeficiencyObservedCode 12. CorrectiveActionCode 13. AirPollutantCode 14. WaterPollutantCode 15. Subactivity 16. Citation CAFO INSPECTION 1. AnimalType 2. ManureLitterProcessedWastewaterStorage 3. Containment 4. LandApplicationBMP 5. CAFOInspectionViolationTypeCode PRETREATMENT INSPECTION 1. LocalLimitsPollutantCode 2. RemovalCreditsPollutantCode SSO INSPECTION 1. ImpactSSOEvent 2. SSOSystemComponent 3. SSOStepsReducePreventMitigate STORMWATER MS4 INSPECTION 1. ProjectedSourcesFundingCode	1. ComplianceMonitoringActionReasonCode 2. ComplianceMonitoringAgencyTypeCode 3. ProgramCode 4. NationalPrioritiesCode 5. AffiliationTypeText, FirstName, LastName, IndividualTitleText 6. AffiliationTypeText, ElectronicAddressText 7. LawSectionCode 8. RegionalPriorityCode 9. SICCode 10. NAICSCode 11. DeficiencyObservedCode 12. CorrectiveActionCode 13. AirPollutantCode 14. WaterPollutantCode 15. SubactivityTypeCode 16. CitationTitle CAFO INSPECTION 1. AnimalTypeCode 2. ManureLitterProcessedWastewaterStorageType 3. ContainmentTypeCode 4. LandApplicationBMPTypeCode 5. CAFOInspectionViolationTypeCode PRETREATMENT INSPECTION 1. LocalLimitsPollutantCode 2. RemovalCreditsPollutantCode SSO INSPECTION 1. ImpactSSOEvent 2. SystemComponent 3. StepsReducePreventMitigate STORMWATER MS4 INSPECTION 1. ProjectedSourcesFundingCode
FormalEnforcementActionData	1. PermitIdentifier 2. EnforcementActionTypeCode 3. ProgramsViolatedCode 4. FinalOrder 5. EnforcementAgency 6. EnforcementActionGovernmentContact	1. PermitIdentifier 2. EnforcementActionTypeCode 3. ProgramsViolatedCode 4. FinalOrderIdentifier, FinalOrderTypeCode 5. EnforcementAgencyTypeCode, AgencyLeadIndicator 6. AffiliationTypeCode, ElectronicAddressText

Schema Name	Schema Data	Mandatory Tags/Child Tags for Deleting All Values
GeneralPermitData	1. SICCodeDetails 2 NAICSCodeDetails 3. OtherPermits 4. AssociatedPermit 5. FacilityClassification 6. PolicyCode 7. OriginatingPrograms 8. FacilityContact 9. FacilityAddress 10. PermitContact 11. PermitAddress 12. EffluentGuidelineCode	1.SICCode, SICPrimaryIndicatorCode 2. NAICSCode, NAICSPrimaryIndicatorCode 3. OtherPermitIdentifier 4. AssociatedPermitIdentifier, AssociatedPermitReasonCode 5. FacilityClassification 6. PolicyCode 7. OriginatingPrograms 8. AffiliationTypeText, FirstName, LastName, IndividualTitleText 9. AffiliationTypeText, OrganizationFormalName, MailingAddressText, MailingAddressCityName, MailingAddressStateCode, MailingAddressZipCode 10. AffiliationTypeText, FirstName, LastName, IndividualTitleText 11. Cannot delete all; must have at least the Permittee Address in ICIS 12. EffluentGuidelineCode
InformalEnforcementActionData	1. PermitIdentifier 2. ProgramsViolatedCode 3. EnforcementAgency 4. EnforcementActionGovernmentContact	1. PermitIdentifier 2. ProgramsViolatedCode 3. EnforcementAgencyTypeCode, AgencyLeadIndicator 4. AffiliationTypeCode, ElectronicAddressText
LimitsData	1. MonthLimitApplies	1. Cannot delete all; must have at least one in ICIS
LimitSetData	1. LimitSetMonthsApplicable 2. LimitSetSchedule 3. UnscheduledLimitSetSchedule	1. LimitSetMonthsApplicable 2. Cannot delete all; must have at least one scheduled or unscheduled limit set in ICIS 3. Cannot delete all; must have at least one scheduled or unscheduled limit set in ICIS Cannot delete all; must have at least one in ICIS
LocalLimitsProgramReportData	1. LocalLimitsPollutantCode 2. RemovalCreditsPollutantCode	1. LocalLimitsPollutantCode 2. RemovalCreditsPollutantCode
MasterGeneralPermitData	1. SICCodeDetails 2 NAICSCodeDetails 3. OtherPermits 4. AssociatedPermit 5. MasterGeneralPermitContact 6. PermitComponentTypeCode	1.SICCode, SICPrimaryIndicatorCode 2. NAICSCode, NAICSPrimaryIndicatorCode 3. OtherPermitIdentifier 4. AssociatedPermitIdentifier, AssociatedPermitReasonCode 5. AffiliationTypeText, FirstName, LastName, IndividualTitleText 6. PermitComponentTypeCode
NarrativeConditionScheduleData	1. PermitScheduleEvent	1. ScheduleEventCode 2. ScheduleEventDate
PermittedFeatureData	1. PermittedFeatureCharacteristics 2. PermittedFeatureTreatmentTypeCode 3. SiteOwnerContact	1. PermittedFeatureCharacteristics 2. PermittedFeatureTreatmentTypeCode 3. AffiliationTypeText, FirstName, LastName, IndividualTitleText
POTWPermitData	1. SatelliteCollectionSystem	1. SatelliteCollectionSystemIdentifier, SatelliteCollectionSystemName

Schema Name	Schema Data	Mandatory Tags/Child Tags for Deleting All Values
PretreatmentPerformanceSummaryData	1. LocalLimitsPollutantCode 2. RemovalCreditsPollutantCode	1. LocalLimitsPollutantCode 2. RemovalCreditsPollutantCode
PretreatmentPermitData	1. PretreatmentContact	1. AffiliationTypeText, FirstName, LastName, IndividualTitleText
SSOEventReportData	1. ImpactofSSOEvent 2.SystemComponent 3. StepsReducePreventMitigate	1. ImpactofSSOEvent 2. SystemComponent 3. StepsReducePreventMitigate
SWaterConstructionPermitData	1. StormWaterContact 2. StormWaterAddress	1. AffiliationTypeText, FirstName, LastName, IndividualTitleText 2. AffiliationTypeText, OrganizationFormalName, MailingAddressText, MailingAddressCityName, MailingAddressStateCode, MailingAddressZipCode
SWEventReportData	1. StormWaterContact 2. StormWaterAddress	1. AffiliationTypeText, FirstName, LastName, IndividualTitleText 2. AffiliationTypeText, OrganizationFormalName, MailingAddressText, MailingAddressCityName, MailingAddressStateCode, MailingAddressZipCode
SWIndustrialPermitData	1. StormWaterContact 2. StormWaterAddress	1. AffiliationTypeText, FirstName, LastName, IndividualTitleText 2. AffiliationTypeText, OrganizationFormalName, MailingAddressText, MailingAddressCityName, MailingAddressStateCode, MailingAddressZipCode
SWMS4LargePermitData	1. StormWaterContact 2. StormWaterAddress	1. AffiliationTypeText, FirstName, LastName, IndividualTitleText 2. AffiliationTypeText, OrganizationFormalName, MailingAddressText, MailingAddressCityName, MailingAddressStateCode, MailingAddressZipCode
SWMS4ProgramReportData	1. ProjectedSourcesof FundingCode 2. StormWaterContact 3. StormWaterAddress	1. ProjectedSourcesof FundingCode 2. AffiliationTypeText, FirstName, LastName, IndividualTitleText 3. AffiliationTypeText, OrganizationFormalName, MailingAddressText, MailingAddressCityName, MailingAddressStateCode, MailingAddressZipCode
SWMS4SmallPermitData	1. StormWaterContact 2. StormWaterAddress	1. AffiliationTypeText, FirstName, LastName, IndividualTitleText 2. AffiliationTypeText, OrganizationFormalName, MailingAddressText, MailingAddressCityName, MailingAddressStateCode, MailingAddressZipCode

Schema Name	Schema Data	Mandatory Tags/Child Tags for Deleting All Values
UnpermittedFacilityData	1. SICCodeDetails 2 NAICSCodeDetails 3. FacilityClassification 4. PolicyCode 5. OriginatingPrograms 6. FacilityContact 7. FacilityAddress	1.SICCode, SICPrimaryIndicatorCode 2. NAICSCode, NAICSPrimaryIndicatorCode 3. FacilityClassification 4. PolicyCode 5. OriginatingPrograms 6. AffiliationTypeText, FirstName, LastName, IndividualTitleText 7. AffiliationTypeText, OrganizationFormalName, MailingAddressText, MailingAddressCityName, MailingAddressStateCode, MailingAddressZipCode

Table 3-5. List of Multi-Value Tags

Use an asterisk to remove data from ICIS for a single field or multi-value fields.

3.6 GENERIC EDITS

When a file is submitted, CDX and ICIS-NPDES Batch perform various generic edits as explained below.

3.6.1 CDX Edit Checks

The data provided in the file submission must meet data quality standards. CDX will reject XML instance documents and report the first 100 errors that occur when:

- XML instance document has an extension other than .xml or .zip, or has a filename that is unrecognizable or invalid,
- zip compressed file is empty,
- XML instance document has empty or null tags, is incomplete, corrupt, not valid, and/or not well formed,
- submitter ID and/or password not valid for CDX,
- a data flow indicator code mismatch from state nodes (must be "ICIS-NPDES")
- a file infected with a virus

3.6.2 ICIS-NPDES Pre-Parser Edit Checks

ICIS-NPDES may encounter file-level problems such as retrieving a submission file or processing it due to communication, database access, or file corruption problems. When any of these situations are encountered ICIS-NPDES logs the error with a generic message of "Unable to parse file <filename> because <java method>; <error message>" and sends CDX a PDF file containing the error.

3.6.3 ICIS-NPDES Parser Edit Checks

The ICIS-NPDES parser will reject XML instance documents if it cannot extract and process data for the following reasons:

- mandatory data missing,
- one or more header block elements missing,
- prohibited character found in alphanumeric field,
- invalid character found or incorrect format in numeric field,
- invalid character found in date field,
- invalid date found in date field,
- the a primary key has a space or invalid alphanumeric,
- transaction code is not allowed for the submission type according to Table 3-1,
- submitter ID not valid for ICIS-NPDES,
- submitter ID does not have rights to add/change/delete data in ICIS-NPDES, or
- submitter ID is not allowed to add/change/delete data belonging to another state, tribe or EPA region.

3.6.4 ICIS-NPDES System Edit Checks

Other errors may be discovered at the time ICIS-NPDES system receives and processes the data. These errors include:

- parent record not found for child record to be added,
- record already exists for record to be added,
- record non existent for change, delete transactions,
- data not valid for database field edit checks,
- prohibited character(s) found in the XML submission record,
- mandatory data missing, or
- invalid code.

4 WORKING WITH ICIS-NPDES SCHEMA FILES

The ICIS-NPDES schema files adhere to version 1 of the XML Design Rules and Convention and the names of applicable schema elements match EPA data element standards and XML tag data standards approved as of June 2006. The ICIS-NPDES schema files for DMRs were approved in Spring 2008. Permit related schema files will be submitted for approval in early 2011. All other schema files will be submitted for approval in late 2012.

It is important that batch submitters review all ICIS-NPDES code tables and build a cross-reference table or other mechanism for converting their existing codes into the ICIS-NPDES codes. These codes can be retrieved from the ICIS-NPDES Ad Hoc Reports module or by contacting ICIS User Support.

ICIS-NPDES Batch does not use or support Schematron files!

4.1 ICIS-NPDES BATCH PROCESSING AND IDEF, PCS

Data specifications for ICIS-NPDES Batch differ significantly from the Interim Data Exchange Format (IDEF) schema. ICIS-NPDES DMR Batch, e-DMR, and PCS batch submitters will need to create or modify their software to generate XML instance documents that are valid and well-formed according to the ICIS-NPDES schema. In addition, submitters must validate their XML submittal files against the ICIS xsd schema file with an XML validation tool before submitting the XML to CDX.

4.2 ICIS-NPDES BATCH PROCESSING AND EXCHANGE NETWORK NODE PLUG-INS

Free plug-ins for states and tribes hosting an EN-NODE2 or OPENNODE2 Node are available for handling the transmission of NPDES data to ICIS-NPDES. States need to map there data into the staging tables of these plug-ins with ICIS reference table codes present and data in the format expected by ICIS-NPDES. For more information on these Node Plug-ins, visit http://www.exchangenetwork.net/2011/07/15/node-20-products/ .

Visit http://www.exchangenetwork.net/2011/07/15/node-20-products/ for more information on free plug-ins designed to send state and tribal data to ICIS-NPDES!

4.3 ICIS-NPDES SCHEMA, EXAMPLES AND DATA DICTIONARY

The ICIS-NPDES DMR schema files are located at http://www.exchangenetwork.net/schema/icis/4. Complete data specifications for all elements to be submitted in XMLs and the mapping between ICIS tags, IDEF tags and PCS fields are provided in the ICIS-NPDES XML Tag Dictionary located in the ICIS-NPDES XML Data Exchange Template document.

To get the most current version of ICIS schema files to be used by Full Batch states, contact Alison Kittle at kittle.alison@epa.gov

4.4 WORKING WITH ICIS-NPDES SCHEMA

States creating modules to generate their own XML instance documents will find it easier to work from submission examples rather than translate the ICIS-NPDES schema files. It is best to use the examples from the ICIS-NPDES Example XML Instance Document as templates for developing your XML submission files because this document provides mandatory and optional tags for the different transaction types and explanations of how to tweak your XML file.

However, if you need to create sample XML submission files, they can be generated from the ICIS-NPDES schema files using a commercial off-the-shelf (COTS) XML validating software package. To do this:

1) load ICIS_V2.xx.xsd into the COTS XML validating software (where xxx is the version such as "1"),

2) comment out the names of all submission types except the one desired among the PayLoadData elements and the OperationType enumerations, then

3) select the Document tag to generate the examples from the list of available root elements.

Figure 4-1 shows how to generate an example XML file for Discharge Monitoring Reports only by commenting out elements and enumerations (in gray) and leaving only the lines pertaining to DMRs active (in blue).

```
<xsd:complexType name="PayloadData">
       <xsd:choice>
      <!--xsd:element name="BasicPermitData" type="icis:BasicPermitData"
maxOccurs="unbounded"/>
       <xsd:element name="BiosolidsPermitData" type="icis:BiosolidsPermitData"
maxOccurs="unbounded"/>
       <xsd:element name="BiosolidsProgramReportData"
type="icis:BiosolidsProgramReportData" maxOccurs="unbounded"/>
       <xsd:element name="CAFOAnnualReportData" type="icis:CAFOAnnualReportData"
maxOccurs="unbounded"/>
       <xsd:element name="CAFOPermitData" type="icis:CAFOPermitData"
maxOccurs="unbounded"/>
       <xsd:element name="ComplianceMonitoringData" type="icis:ComplianceMonitoringData"
maxOccurs="unbounded"/>
       <xsd:element name="ComplianceMonitoringLinkageData"
```

```
type="icis:ComplianceMonitoringLinkageData" maxOccurs="unbounded"/>
       <xsd:element name="ComplianceScheduleData" type="icis:ComplianceScheduleData"
maxOccurs="unbounded"/>
       <xsd:element name="CSOEventReportData" type="icis:CSOEventReportData"
maxOccurs="unbounded"/>
<xsd:element name="CSOPermitData" type="icis:CSOPermitData" maxOccurs="unbounded"/-->
       <xsd:element name=" DischargeMonitoringReportData"
type="icis:ComplianceScheduleData" maxOccurs="unbounded"/>
     <!--xsd:element name="DMRViolationData" type="icis:DMRViolationData"
maxOccurs="unbounded"/>
       <xsd:element name="DMRProgramReportLinkageData"
type="icis:DMRProgramReportLinkageData" maxOccurs="unbounded"/>
       <xsd:element name="EffluentTradePartnerData" type="icis:EffluentTradePartnerData"
maxOccurs="unbounded"/>
       <xsd:element name="EnforcementActionMilestoneData"
type="icis:EnforcementActionMilestoneData" maxOccurs="unbounded"/>
       <xsd:element name="EnforcementActionViolationLinkageData"
type="icis:EnforcementActionViolationLinkageData" maxOccurs="unbounded"/>
       <xsd:element name="FederalComplianceMonitoringData"
type="icis:FederalComplianceMonitoringData" maxOccurs="unbounded"/>
       <xsd:element name="FinalOrderViolationLinkageData"
type="icis:FinalOrderViolationLinkageData" maxOccurs="unbounded"/>
       <xsd:element name="FormalEnforcementActionData"
type="icis:FormalEnforcementActionData" maxOccurs="unbounded"/>
       <xsd:element name="GeneralPermitData" type="icis:GeneralPermitData"
maxOccurs="unbounded"/>
       <xsd:element name="HistoricalPermitScheduleEventsData"
type="icis:HistoricalPermitScheduleEventsData" maxOccurs="unbounded"/>
       <xsd:element name="InformalEnforcementActionData"
type="icis:InformalEnforcementActionData" maxOccurs="unbounded"/>
       <xsd:element name="LimitSetData" type="icis:LimitSetData" maxOccurs="unbounded"/>
       <xsd:element name="LimitsData" type="icis:LimitsData" maxOccurs="unbounded"/>
       <xsd:element name="LocalLimitsProgramReportData"
type="icis:LocalLimitsProgramReportData" maxOccurs="unbounded"/>
       <xsd:element name="MasterGeneralPermitData" type="icis:MasterGeneralPermitData"
maxOccurs="unbounded"/>
       <xsd:element name="NarrativeConditionScheduleData"
type="icis:NarrativeConditionScheduleData" maxOccurs="unbounded"/>
       <xsd:element name="ParameterLimitsData" type="icis:ParameterLimitsData"
maxOccurs="unbounded"/>
       <xsd:element name="PermitReissuanceData" type="icis:PermitReissuanceData"
maxOccurs="unbounded"/>
       <xsd:element name="PermittedFeatureData" type="icis:PermittedFeatureData"
maxOccurs="unbounded"/>
       <xsd:element name="PermitTerminationData" type="icis:PermitTerminationData"
maxOccurs="unbounded"/>
       <xsd:element name="PermitTrackingEventData" type="icis:PermitTrackingEventData"
maxOccurs="unbounded"/>
       <xsd:element name="PretreatmentPermitData" type="icis:PretreatmentPermitData"
maxOccurs="unbounded"/>
       <xsd:element name="PretreatmentPerformanceSummaryData"
type="icis:PretreatmentPerformanceSummaryData" maxOccurs="unbounded"/>
       <xsd:element name="ScheduleEventViolationData"
type="icis:ScheduleEventViolationData" maxOccurs="unbounded"/>
       <xsd:element name="SingleEventViolationData" type="icis:SingleEventViolationData"
maxOccurs="unbounded"/>
       <xsd:element name="SSOAnnualReportData" type="icis:SSOAnnualReportData"
maxOccurs="unbounded"/>
       <xsd:element name="SSOEventReportData" type="icis:SSOEventReportData"
maxOccurs="unbounded"/>
       <xsd:element name="SSOMonthlyEventReportData"
type="icis:SSOMonthlyEventReportData" maxOccurs="unbounded"/>
       <xsd:element name="POTWPermitData" type="icis:POTWPermitData"
maxOccurs="unbounded"/>
       <xsd:element name="SWConstructionPermitData" type="icis:SWConstructionPermitData"
maxOccurs="unbounded"/>
       <xsd:element name="SWEventReportData" type="icis:SWEventReportData"
maxOccurs="unbounded"/>
       <xsd:element name="SWIndustrialPermitData" type="icis:SWIndustrialPermitData"
maxOccurs="unbounded"/>
```

```
        <xsd:element name="SWMS4LargePermitData" type="icis:SWMS4LargePermitData"
maxOccurs="unbounded"/>
        <xsd:element name="SWMS4ProgramReportData" type="icis:SWMS4ProgramReportData"
maxOccurs="unbounded"/>
        <xsd:element name="SWMS4SmallPermitData" type="icis:SWMS4SmallPermitData"
maxOccurs="unbounded"/>
        <xsd:element name="UnpermittedFacilityData" type="icis:UnpermittedFacilityData"
maxOccurs="unbounded"/-->
    </xsd:choice>
    <xsd:attribute name="Operation" type="icis:OperationType" use="required"/>
</xsd:complexType>
<xsd:simpleType name="OperationType">
    <xsd:restriction base="xsd:string">
       <!--xsd:enumeration value="BasicPermitSubmission"/>
                <xsd:enumeration value="BiosolidsPermitSubmission"/>
                <xsd:enumeration value="BiosolidsProgramReportSubmission"/>
                <xsd:enumeration value="CAFOAnnualReportSubmission"/>
                <xsd:enumeration value="CAFOPermitSubmission"/>
                <xsd:enumeration value="ComplianceMonitoringSubmission"/>
                <xsd:enumeration value="ComplianceMonitoringLinkageSubmission"/>
                <xsd:enumeration value="ComplianceScheduleSubmission"/>
                <xsd:enumeration value="CSOEventReportSubmission"/>
                <xsd:enumeration value="CSOPermitSubmission"/-->
                <xsd:enumeration value=" DischargeMonitoringReportSubmission”/>
              <!--xsd:enumeration value="DMRProgramReportLinkageSubmission"/>
                <xsd:enumeration value="DMRViolationSubmission"/>
                <xsd:enumeration value="EffluentTradePartnerSubmission"/>
                <xsd:enumeration value="EnforcementActionMilestoneSubmission"/>
                <xsd:enumeration value="EnforcementActionViolationLinkageSubmission"/>
                <xsd:enumeration value="FederalComplianceMonitoringSubmission"/>
                <xsd:enumeration value="FinalOrderViolationLinkageSubmission"/>
                <xsd:enumeration value="FormalEnforcementActionSubmission"/>
                <xsd:enumeration value="GeneralPermitSubmission"/>
                <xsd:enumeration value="HistoricalPermitScheduleEventsSubmission"/>
                <xsd:enumeration value="InformalEnforcementActionSubmission"/>
                <xsd:enumeration value="LimitSetSubmission"/>
                <xsd:enumeration value="LimitsSubmission"/>
                <xsd:enumeration value="LocalLimitsProgramReportSubmission"/>
                <xsd:enumeration value="MasterGeneralPermitSubmission"/>
                <xsd:enumeration value="NarrativeConditionScheduleSubmission"/>
                <xsd:enumeration value="ParameterLimitsSubmission"/>
                <xsd:enumeration value="PermitReissuanceSubmission"/>
                <xsd:enumeration value="PermittedFeatureSubmission"/>
                <xsd:enumeration value="PermitTerminationSubmission"/>
                <xsd:enumeration value="PermitTrackingEventSubmission"/>
                <xsd:enumeration value="PretreatmentPermitSubmission"/>
                <xsd:enumeration value="PretreatmentPerformanceSummarySubmission"/>
                <xsd:enumeration value="ScheduleEventViolationSubmission"/>
                <xsd:enumeration value="SingleEventViolationSubmission"/>
                <xsd:enumeration value="SSOAnnualReportSubmission"/>
                <xsd:enumeration value="SSOEventReportSubmission"/>
                <xsd:enumeration value="SSOMonthlyEventReportSubmission"/>
                <xsd:enumeration value="POTWPermitSubmission"/>
                <xsd:enumeration value="SWConstructionPermitSubmission"/>
                <xsd:enumeration value="SWEventReportSubmission"/>
                <xsd:enumeration value="SWIndustrialPermitSubmission"/>
                <xsd:enumeration value="SWMS4LargePermitSubmission"/>
                <xsd:enumeration value="SWMS4ProgramReportSubmission"/>
                <xsd:enumeration value="SWMS4SmallPermitSubmission"/>
                <xsd:enumeration value="UnpermittedFacilitySubmission"/-->
       </xsd:restriction>
    </xsd:simpleType>
```

Figure 4-1. Excerpt of ICIS_v4.0a.xsd with Elements and Enumerations Commented Out to Generate Sample XML Instance Document of Discharge Monitoring Report Only.

This is not the recommended approach for generating templates because data provided through this method may not be in the correct format, tags may be missing and mandatory fields are not obvious. Use the example XML templates provided in the ICIS-NPDES Example XML Instance Document instead!

4.5 VALIDATING XML FILES WITH ICIS-NPDES SCHEMA

State, tribe and EPA region batch generation software must validate the XML files they generate against the ICIS schema before submitting them to ICIS Batch through CDX. This is done using a COTS schema validation software package.

XML submission files must have a root element called "Document" that contains a namespace called "http://www.exchangenetwork.net/schema/icis/4" pointing to where the ICIS-NPDES Batch schema files reside. This namespace is used to point CDX to the correct version of ICIS-NPDES Batch schema for validation purposes during testing and in the ICIS-NPDES production environments. Submission XMLs with an incorrect or missing namespace will be rejected by CDX.

Section 4.4.1 lists various COTS schema validation software and instructions for validating the example XML files in this document or any XML file a state generates for ICIS during their DMR batch development using the Stylus Studio schema validation package are presented in section 4.4.2 below. Be sure to follow these steps in the order given.

4.5.1 Schema Validation Software

Web-Based XML Validators:

- **XSV = http://www.w3.org/2001/03/webdata/xsv**
- **CDX = http://tools.epacdxnode.net/**

Free Standalone XML Validators:

- **XSV = http://www.ltg.ed.ac.uk/~ht/xsv-status.html**
- **XML Starlet = http://xmlstar.sourceforge.net**
- **Microsoft = http://www.softlookup.com/display.asp?id=23260**

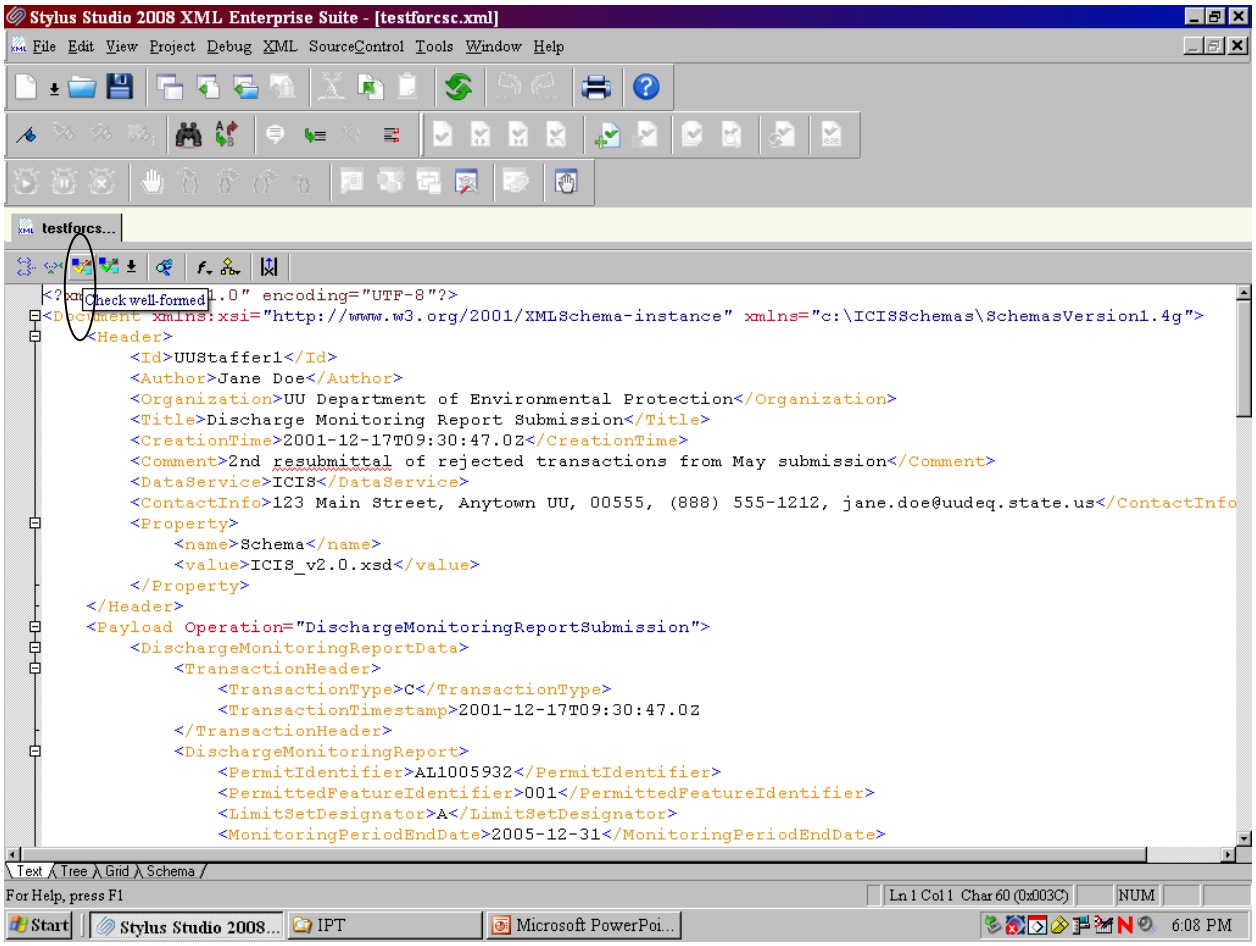
Trial XML Validators:

- **XML Spy = http://www.altova.com/support_freexmlspyhome.asp**
- **<oXygen/> XML Editor = http://www.oxygenxml.com/**
- **Stylus Studio = http://www.stylusstudio.com/xml_download.html**

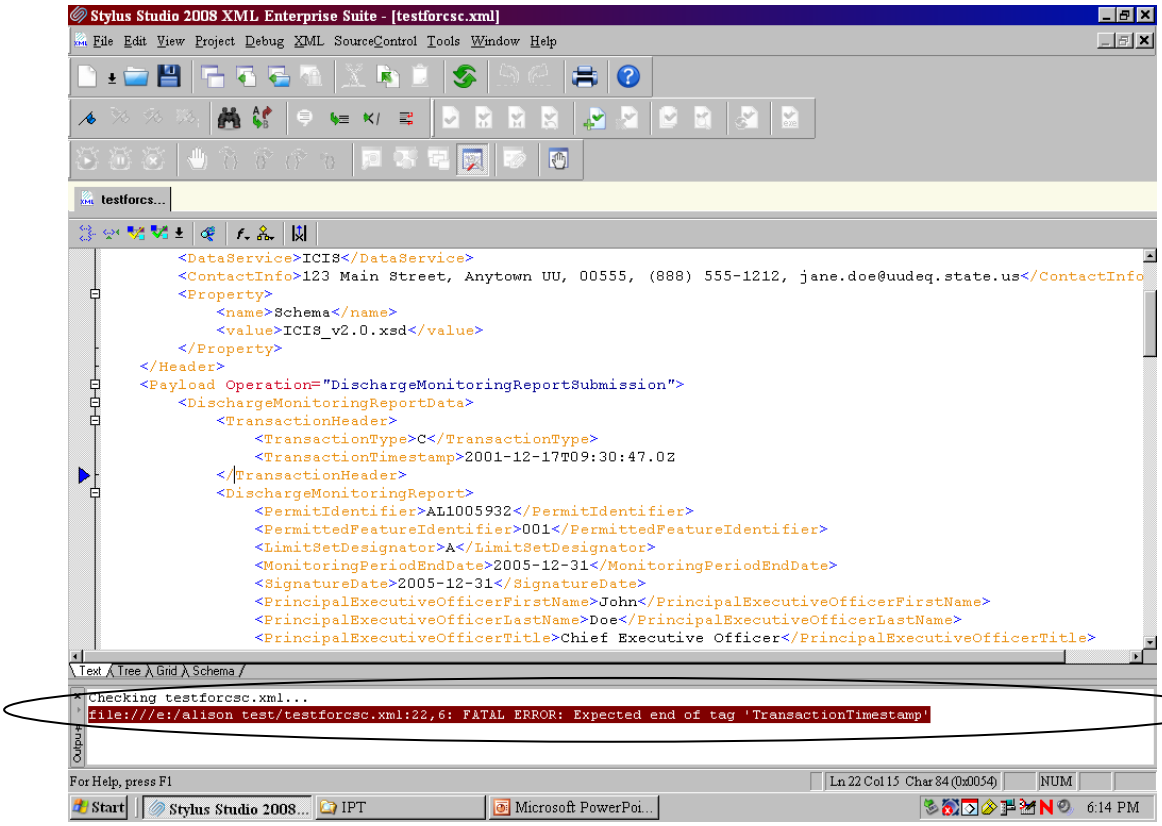
4.5.2 Schema Validation with Stylus Studio

1. Start Stylus Studio.
2. Click on File/Open and double-click on the XML file to be validated.

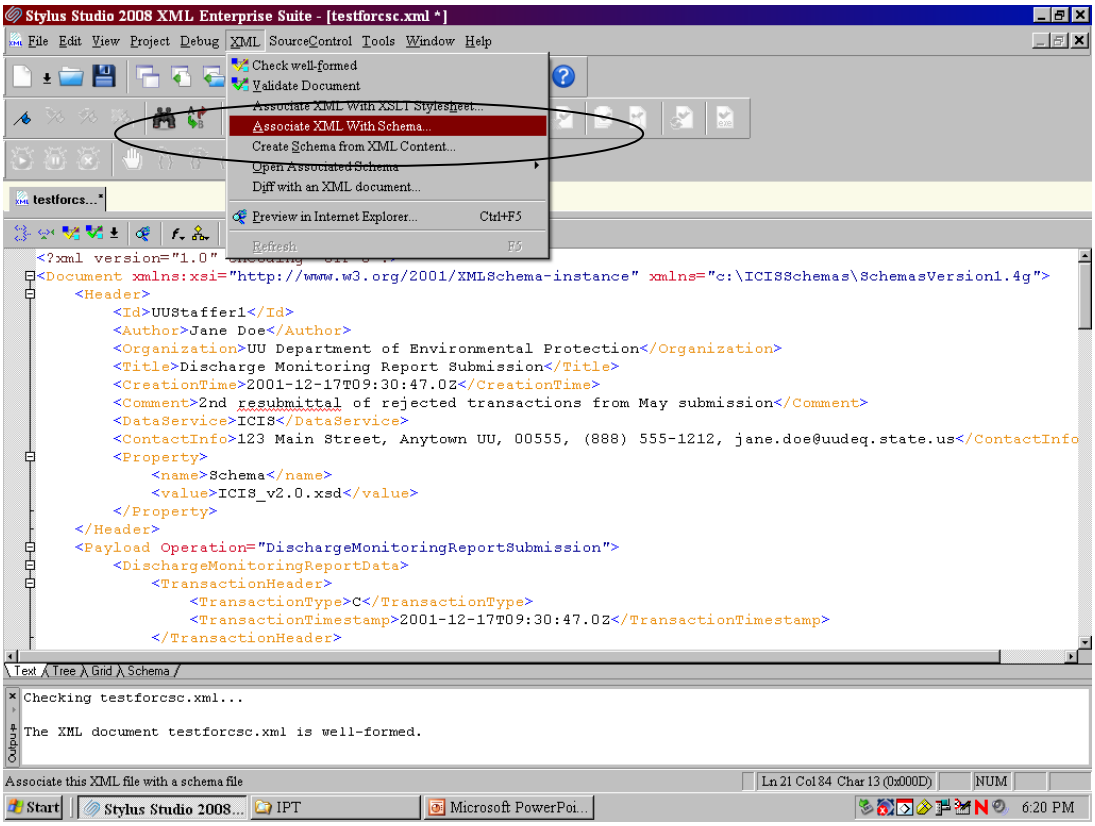
3. Click on the “Check well-formed” icon in the small toolbar



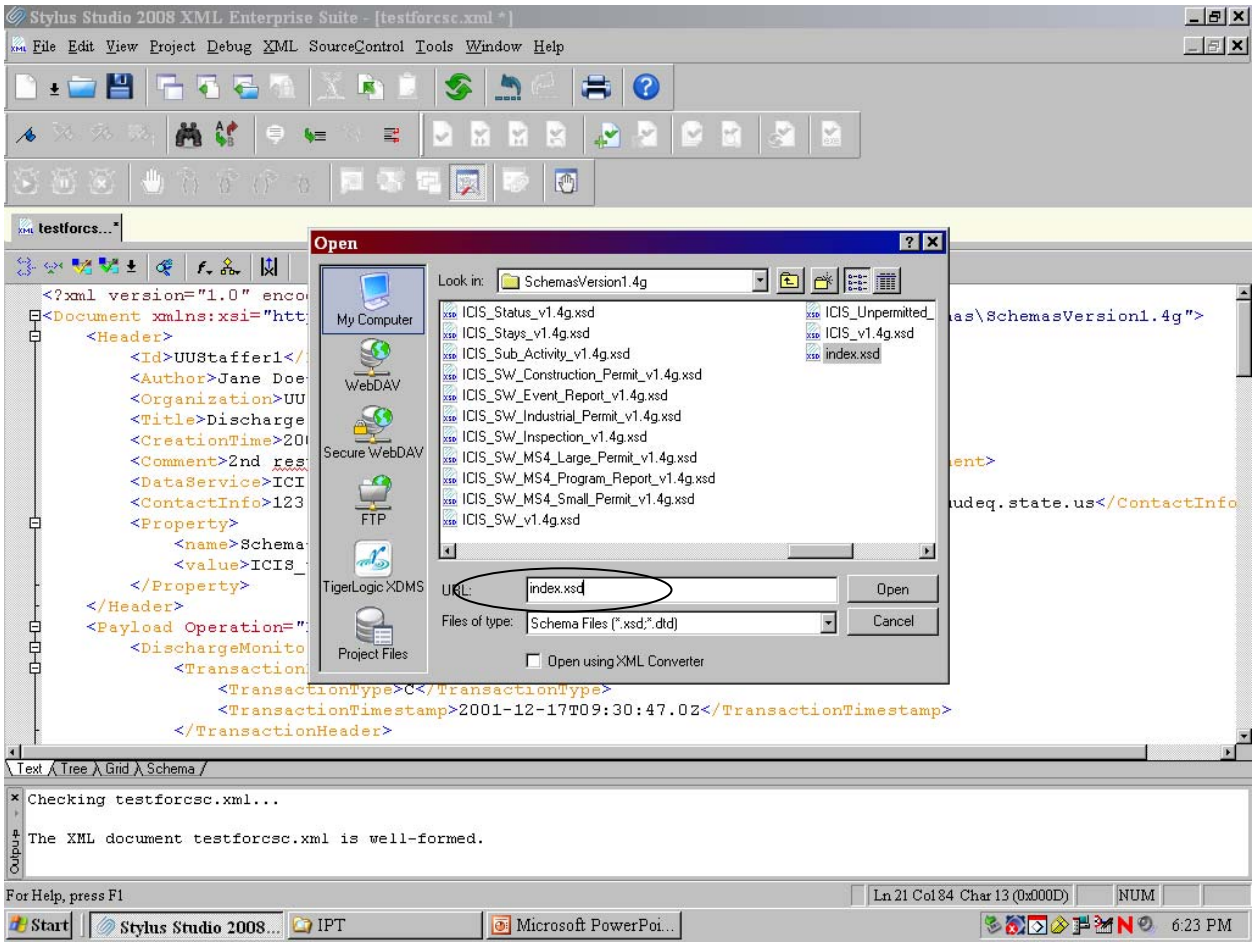
4. Check the results in the window at the bottom of the page.
5. If the window shows the XML document is “well-formed” your XML is ready for its “valid” check starting at Step 7.
6. If the window shows “FATAL ERROR” note the error at or above the cursor and fix it, then perform step 3 again until the window shows the XML is “well-formed”



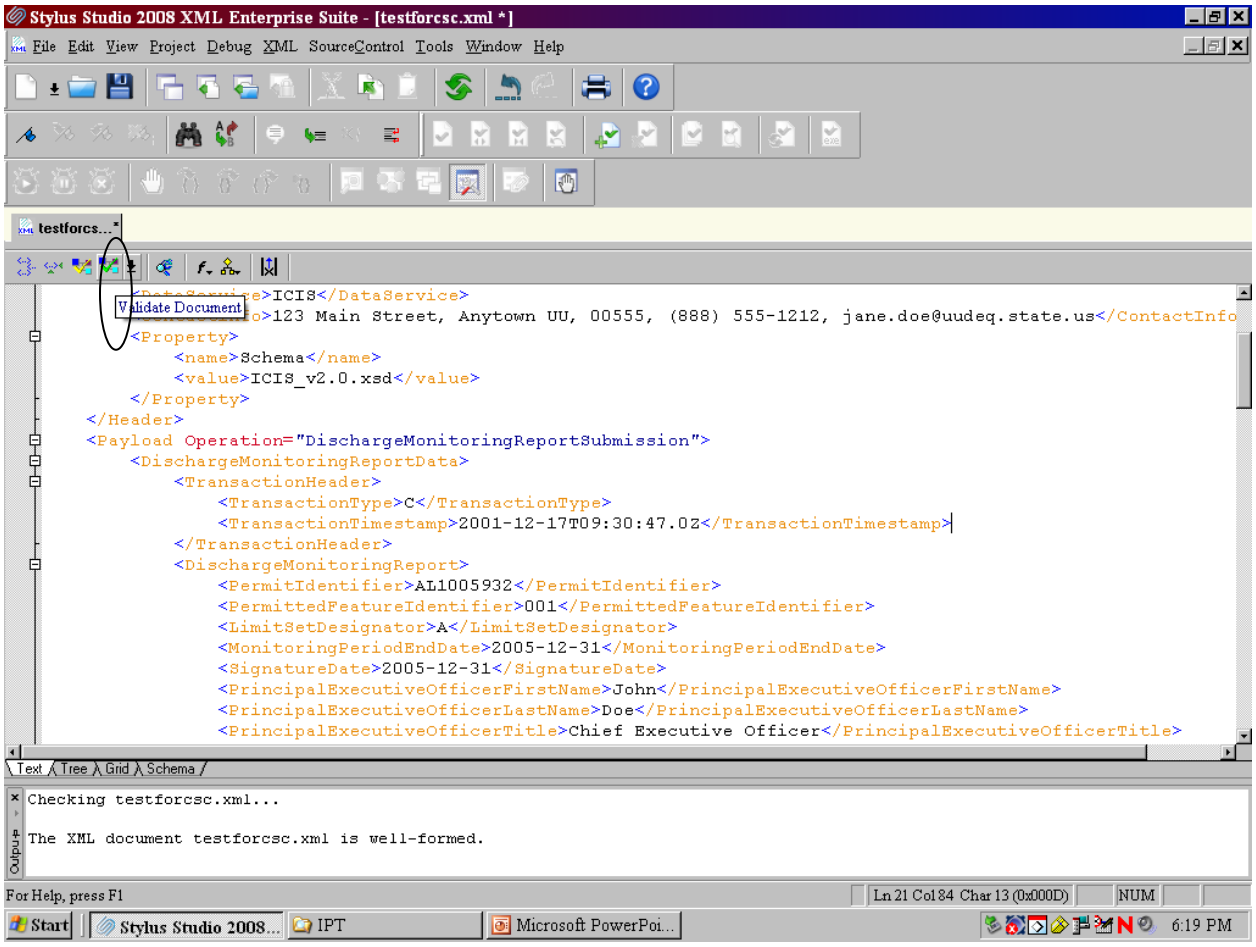
7. Click on “XML” then “Associate XML With Schema” on the main menu.



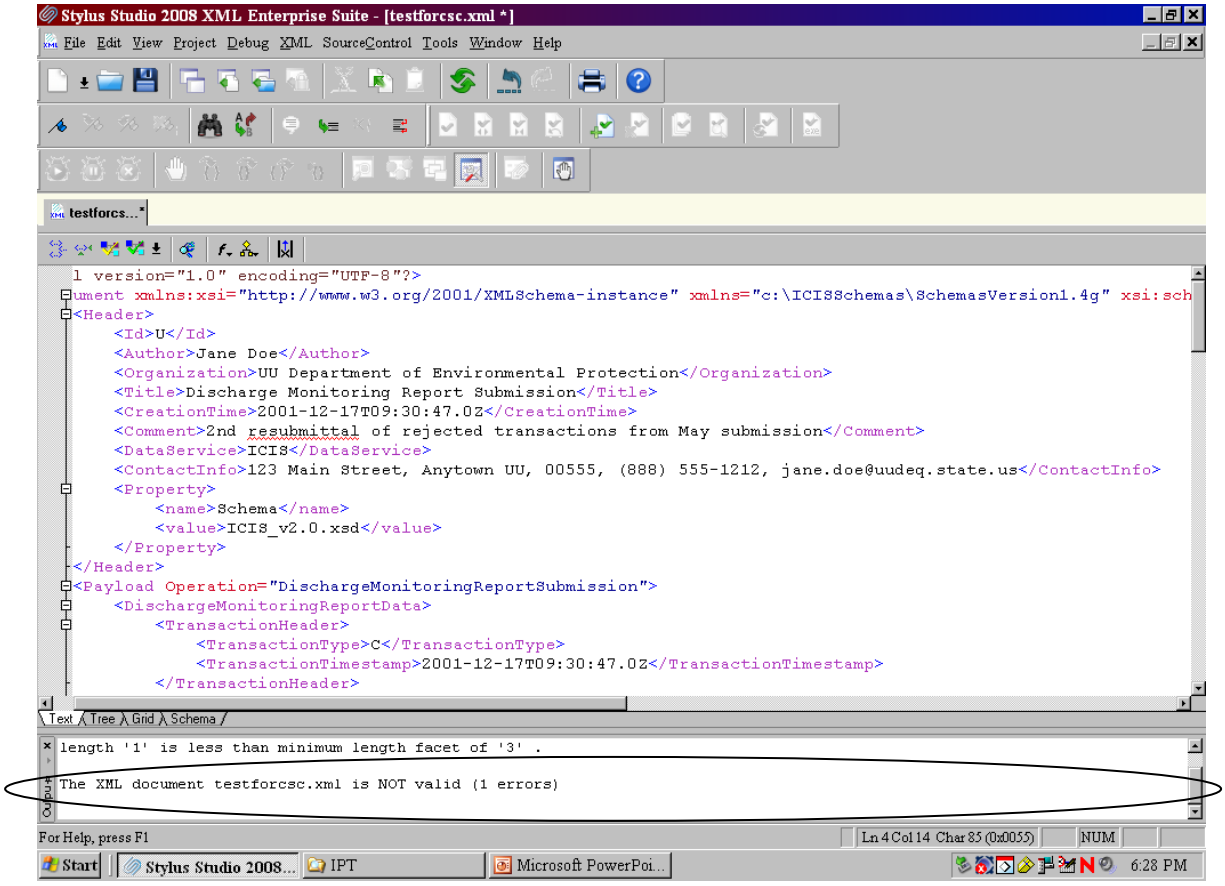
8. Double-click on “index.xsd” from the ICIS schema directory to select it



9. Click on the “Validate Document” icon in the small toolbar



10. Check the results in the window at the bottom of the page.
11. If the window shows the XML document is “valid” your XML is ready to submit to ICIS Batch.
12. If the window shows “NOT valid” double-click the error message and fix the error, then perform step 9 again until the window shows the XML is “valid”



If an error occurs during the "well-formed" check, use the corresponding template in the ICIS-NPDES XML Example Instance Document to find the tag showing up with the error and compare the tag order to find the missing start tag, missing end tag, or misspelled tag. If an error occurs during the "valid" check, refer to Section 9.2 for the listing of common errors, what caused them and how to fix them.

5 ESTABLISHING ACCESS TO CDX AND ICIS-NPDES

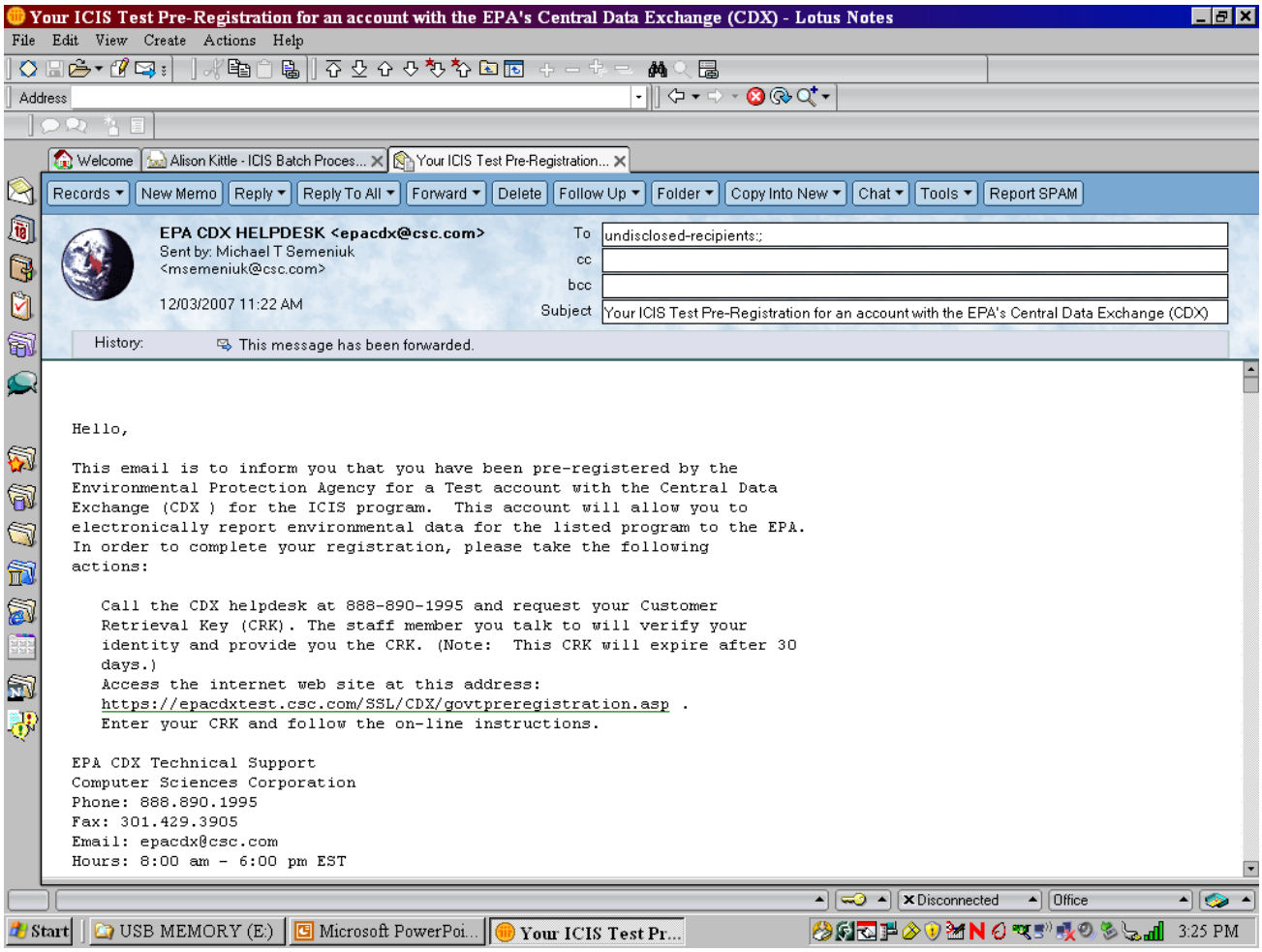
States, tribes and EPA regions can either electronically send their XML files to ICIS-NPDES Batch through CDX using a Full Node or upload their XML files using the CDX Web Form for ICIS-NPDES Batch. Each ICIS-NPDES Batch submitter must have one CDX Web ID and one ICIS ID. The Node on the Exchange Network they will be using must also have a CDX Node ID that is mapped into the ICIS-NPDES Batch node.

5.1 CDX WEB FORM ACCESS

Submitters of states and tribes whose data already reside in the ICIS-NPDES Production system have an ICIS ID but need to contact ICIS User Support to fill out the "CDX Lite ICIS Batch Web Pre-Registration Form" and request a new CDX Web ID or map their existing CDX Web ID into the ICIS-NPDES Batch Web Form.

ICIS-NPDES Batch staff will process CDX Web Form IDs and ICIS IDs for submitters before User Acceptance Testing (UAT) and before movement into production ICIS. After the CDX Web Form ID has been assigned, submitters will need to:

1. Receive e-mail Notification from CDX that they are registered such as the example screen below, then call the CDX Help Desk at the number provided in the e-mail and request your Customer Retrieval Key (CRK):

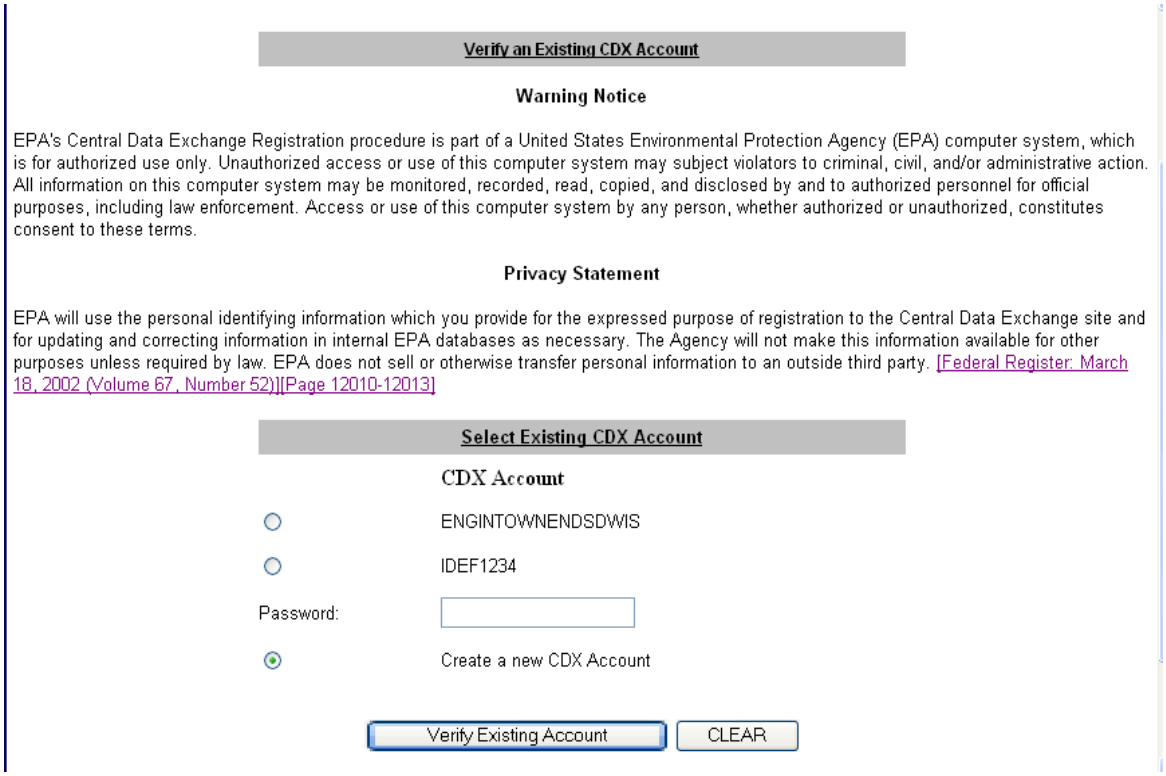

Your ICIS Test Pre-Registration for an account with the EPA's Central Data Exchange (CDX) - Lotus Notes
File Edit View Create Actions Help
Address
Welcome
Alison Kittle - ICIS Batch Proces...
Your ICIS Test Pre-Registration...
Records New Memo Reply Reply To All Forward Delete Follow Up Folder Copy Into New Chat Tools Report SPAM
EPA CDX HELPDESK <epacdx@csc.com>
Sent by: Michael T Semeniuk
<msemeniuk@csc.com>
12/03/2007 11:22 AM
To undisclosed-recipients:;
cc
bcc
Subject Your ICIS Test Pre-Registration for an account with the EPA's Central Data Exchange (CDX)
History: This message has been forwarded.
Hello,
This email is to inform you that you have been pre-registered by the Environmental Protection Agency for a Test account with the Central Data Exchange (CDX) for the ICIS program. This account will allow you to electronically report environmental data for the listed program to the EPA. In order to complete your registration, please take the following actions:
Call the CDX helpdesk at 888-890-1995 and request your Customer Retrieval Key (CRK). The staff member you talk to will verify your identity and provide you the CRK. (Note: This CRK will expire after 30 days.)
Access the internet web site at this address:
https://epacdxtest.csc.com/SSL/CDX/govtpreregistration.asp .
Enter your CRK and follow the on-line instructions.
EPA CDX Technical Support
Computer Sciences Corporation
Phone: 888.890.1995
Fax: 301.429.3905
Email: epacdx@csc.com
Hours: 8:00 am - 6:00 pm EST
Disconnected
Office
Start
USB MEMORY (E:)
Microsoft PowerPoi...
Your ICIS Test Pr...
3:25 PM

2. Access CDX Pre-Registration Web Site and input the CRK:

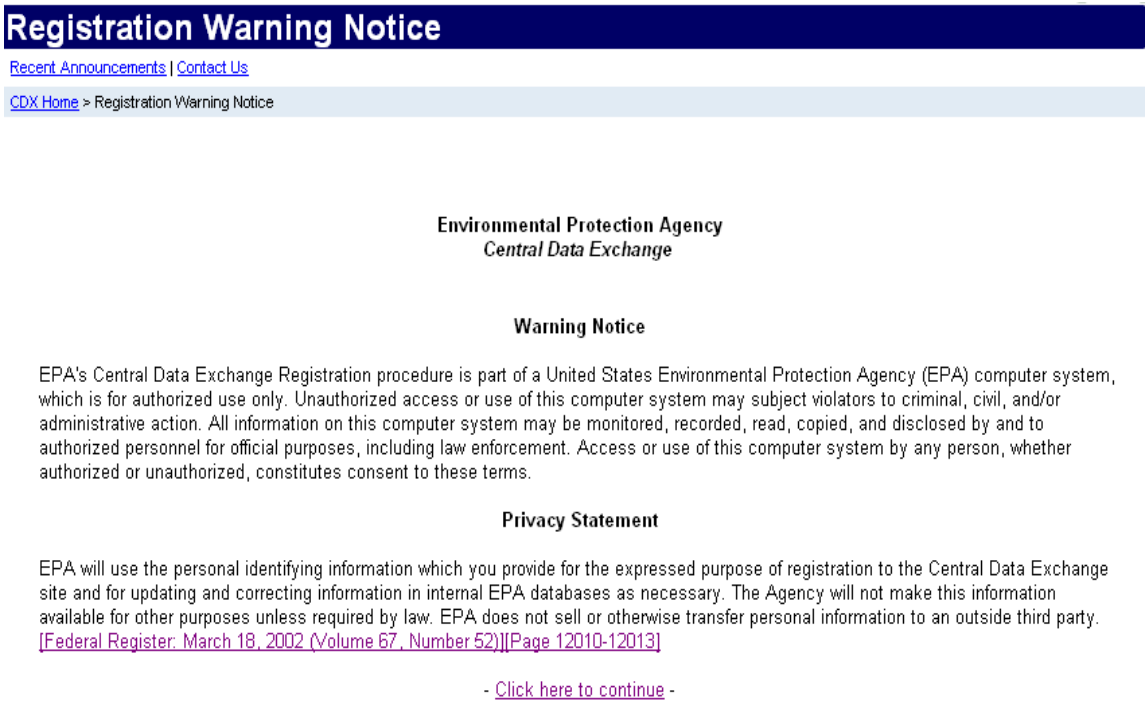
   - The CDX ***Test*** site to perform the pre-registration process is at https://test.epacdx.net/ssl/cdx/govtpreregistration.asp and the CDX ***Production*** site to perform the pre-registration process is at: https://cdx.epa.gov/ssl/cdx/govtpreregistration.asp

   - Enter the Customer Retrieval Key (CRK) that was provided from EPA or CDX helpdesk when the screen below is displayed, and then click "REGISTER".

3. Verify Existing Account or Select New by either select from the existing accounts or create a new account to continue with the pre-registration process such as shown in this screen:



4. Read the Registration Warning Notice on the following screen, and then select "Click here to continue".



Registration Warning Notice

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Environmental Protection Agency
Central Data Exchange

Warning Notice

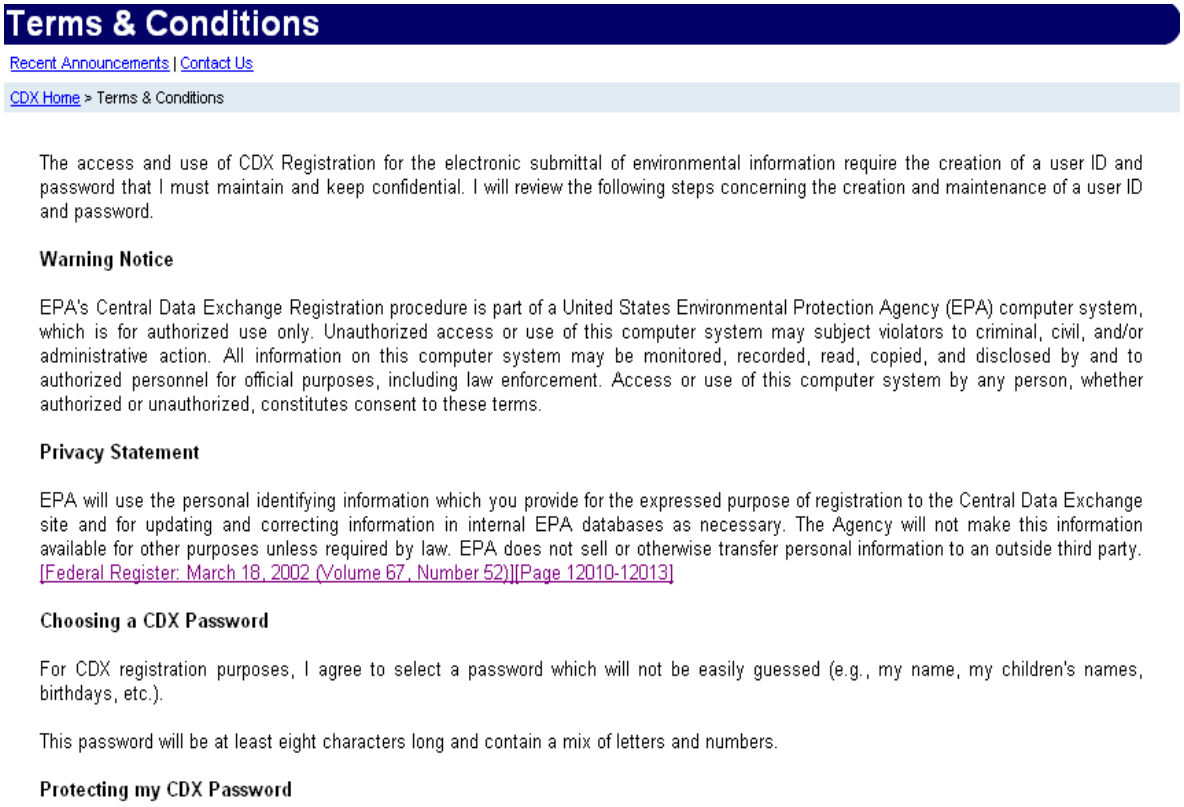
EPA's Central Data Exchange Registration procedure is part of a United States Environmental Protection Agency (EPA) computer system, which is for authorized use only. Unauthorized access or use of this computer system may subject violators to criminal, civil, and/or administrative action. All information on this computer system may be monitored, recorded, read, copied, and disclosed by and to authorized personnel for official purposes, including law enforcement. Access or use of this computer system by any person, whether authorized or unauthorized, constitutes consent to these terms.

Privacy Statement

EPA will use the personal identifying information which you provide for the expressed purpose of registration to the Central Data Exchange site and for updating and correcting information in internal EPA databases as necessary. The Agency will not make this information available for other purposes unless required by law. EPA does not sell or otherwise transfer personal information to an outside third party. [Federal Register: March 18, 2002 (Volume 67, Number 52)][Page 12010-12013]

- Click here to continue -

5. At the Terms & Conditions screen, read the text then Click on the "I Accept" button at the bottom.



Terms & Conditions

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The access and use of CDX Registration for the electronic submittal of environmental information require the creation of a user ID and password that I must maintain and keep confidential. I will review the following steps concerning the creation and maintenance of a user ID and password.

Warning Notice

EPA's Central Data Exchange Registration procedure is part of a United States Environmental Protection Agency (EPA) computer system, which is for authorized use only. Unauthorized access or use of this computer system may subject violators to criminal, civil, and/or administrative action. All information on this computer system may be monitored, recorded, read, copied, and disclosed by and to authorized personnel for official purposes, including law enforcement. Access or use of this computer system by any person, whether authorized or unauthorized, constitutes consent to these terms.

Privacy Statement

EPA will use the personal identifying information which you provide for the expressed purpose of registration to the Central Data Exchange site and for updating and correcting information in internal EPA databases as necessary. The Agency will not make this information available for other purposes unless required by law. EPA does not sell or otherwise transfer personal information to an outside third party. [Federal Register: March 18, 2002 (Volume 67, Number 52)][Page 12010-12013]

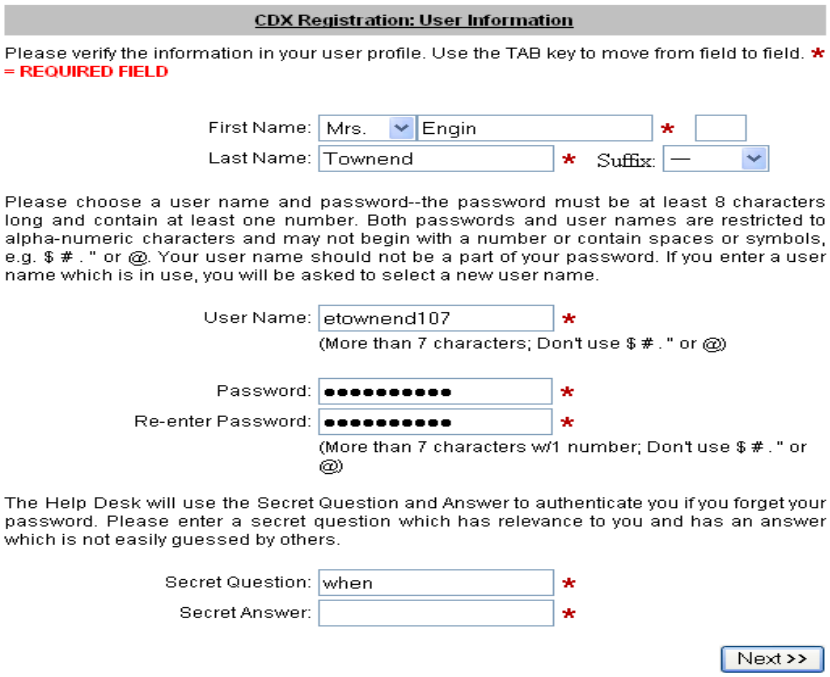
Choosing a CDX Password

For CDX registration purposes, I agree to select a password which will not be easily guessed (e.g., my name, my children's names, birthdays, etc.).

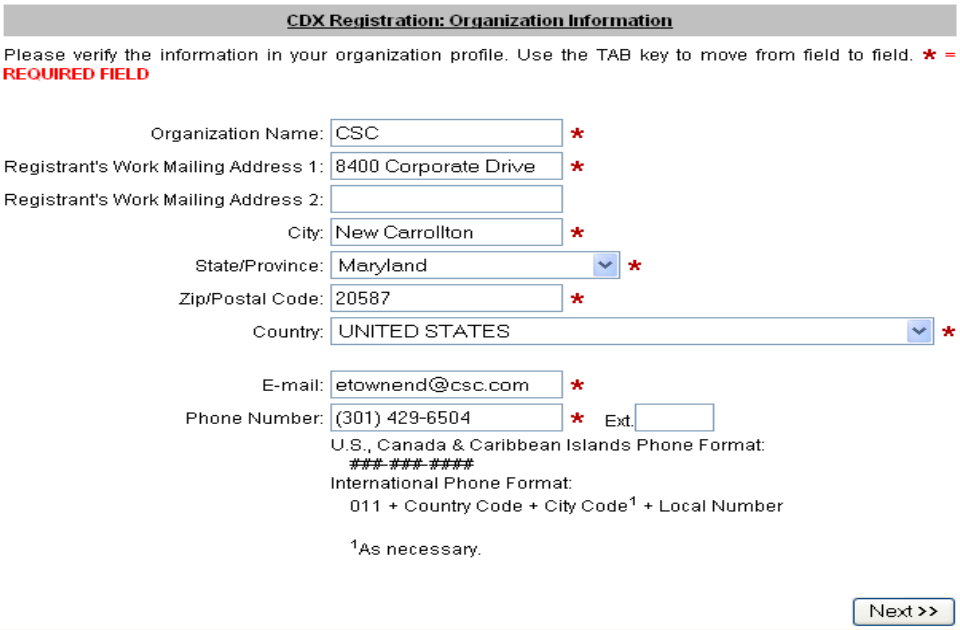
This password will be at least eight characters long and contain a mix of letters and numbers.

Protecting my CDX Password

6. Create/activate your account by verifying or entering User name, password, secret question and secret answer, and then click on the "Next" button:

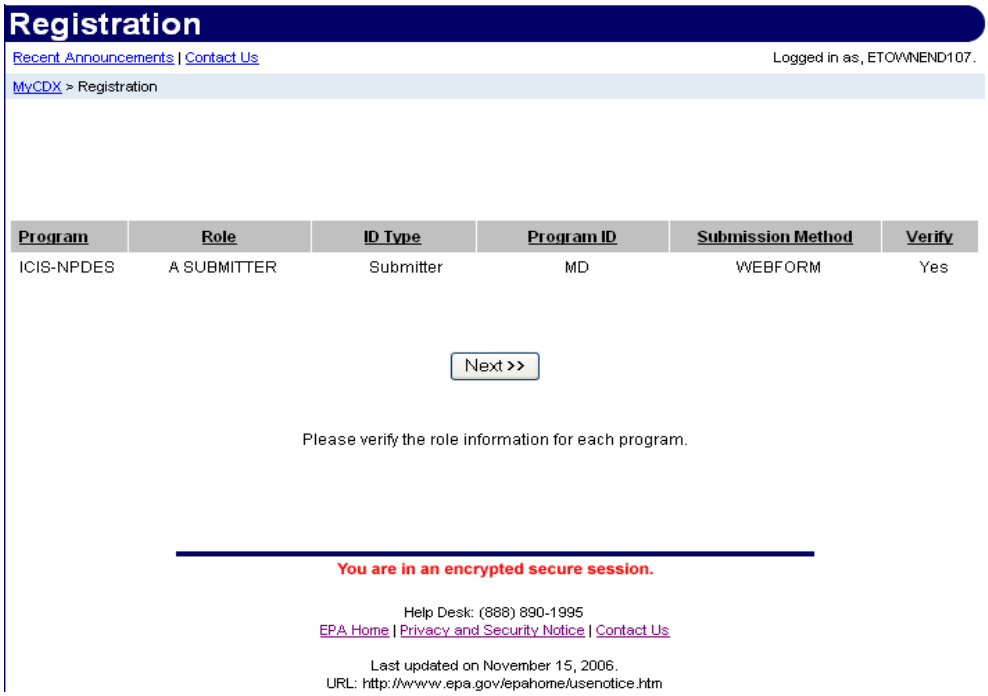


7. Create/activate your account by reviewing and revising the pre-populated organization information on this screen, and then click on "Next"

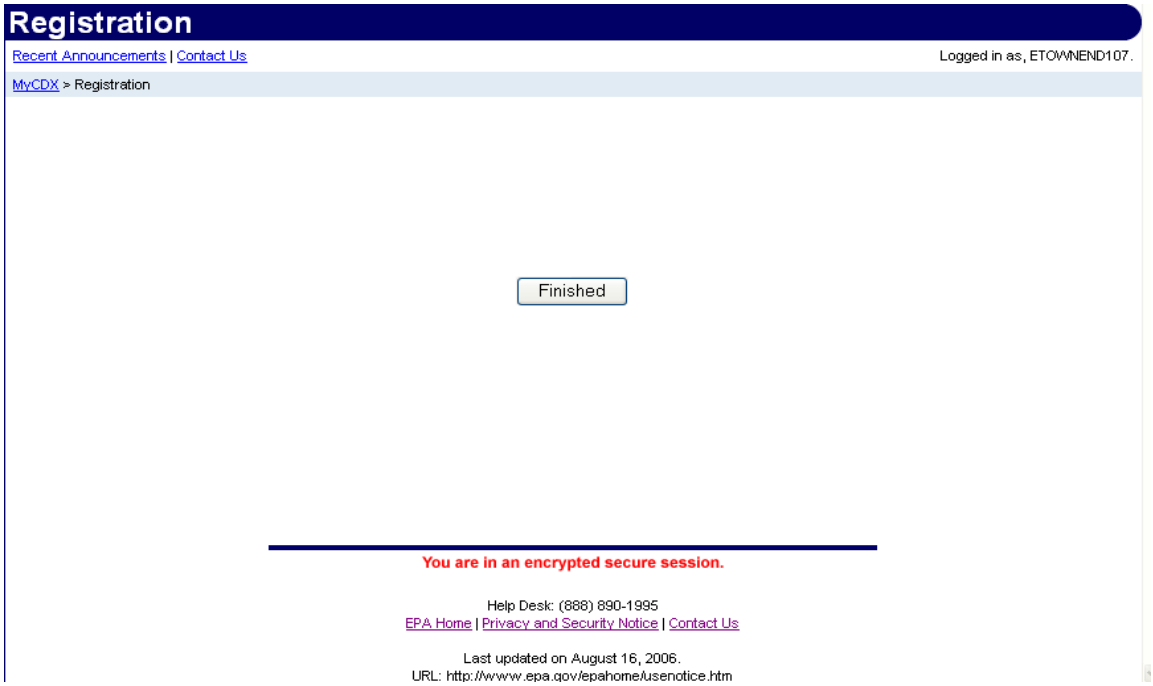


8. Verify that you are being registered to ICIS-NPDES Web Batch submission (ICIS-NPDES) on this screen, then click "Next" to complete your registration:

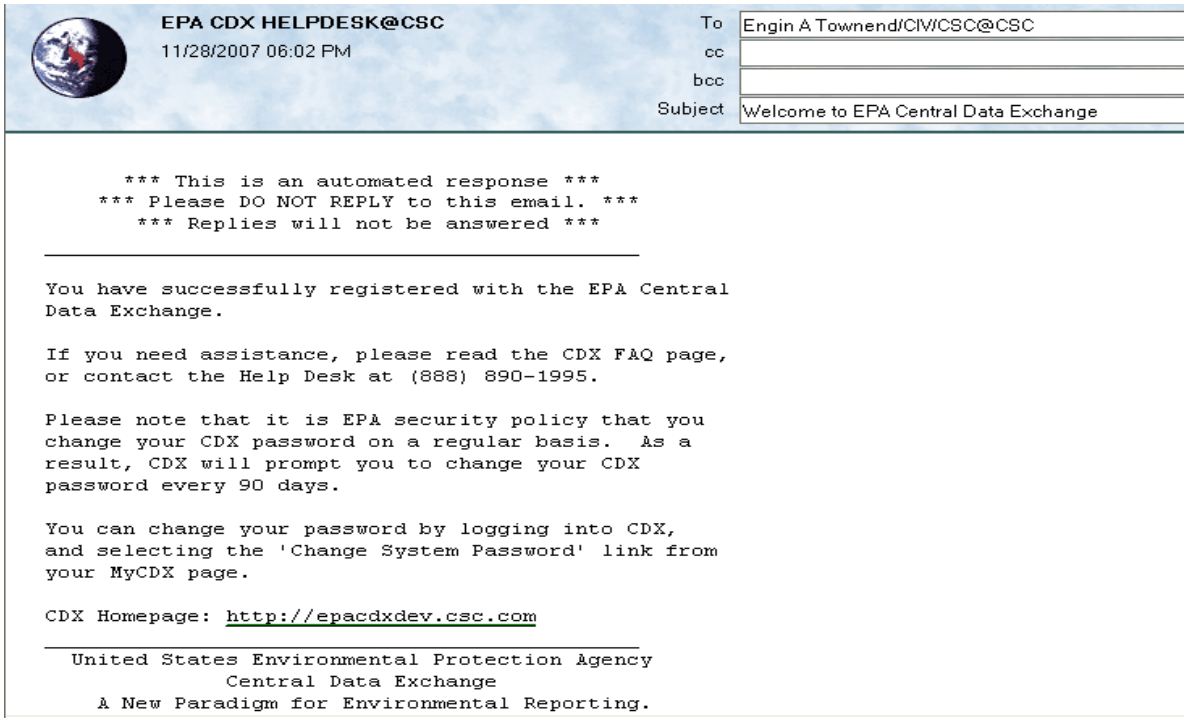
9. Verify the accuracy of your Role and ID Type, and then click "Next" to accept the default information provided. If information is incorrect, contact the CDX Help Desk.



10. Click on “Finished”.



11. You will receive an e-mail confirmation like the one below that you have successfully registered at EPA/CDX and are can now submit files:



EPA CDX HELPDESK@CSC
11/28/2007 06:02 PM

To: Engin A Townend/CIV/CSC@CSC
cc:
bcc:
Subject: Welcome to EPA Central Data Exchange

*** This is an automated response ***
*** Please DO NOT REPLY to this email. ***
*** Replies will not be answered ***

You have successfully registered with the EPA Central Data Exchange.

If you need assistance, please read the CDX FAQ page, or contact the Help Desk at (888) 890-1995.

Please note that it is EPA security policy that you change your CDX password on a regular basis. As a result, CDX will prompt you to change your CDX password every 90 days.

You can change your password by logging into CDX, and selecting the 'Change System Password' link from your MyCDX page.

CDX Homepage: http://epacdxdev.csc.com

United States Environmental Protection Agency
Central Data Exchange
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Hint

Contact the CDX Help Desk if you encounter any problems or have questions during the registration process!

Hint

States, tribes or EPA regions using a Node Client for other data submissions should use the CDX Web Upload form instead of the Node Client for ICIS-NPDES Batch submissions!

5.2 ESTABLISHING AND CONFIGURING A NODE ON THE EXCHANGE NETWORK

If a state, tribe or region's Node is submitting to ICIS-NPDES Batch for the first time, that Node's Administrator must contact the CDX Help Desk for assistance with mapping its existing CDX Node ID into the ICIS Batch Node.

Hint

States, tribes or EPA regions wanting to use their Node on the Exchange Network to transfer data to ICIS should have their Node Administrator talk to the Node Help Desk for details on how to configure it properly!

Figure 5-1 illustrates how a State can set up an existing full node on the Exchange Network to flow data to ICIS-NPDES Batch.

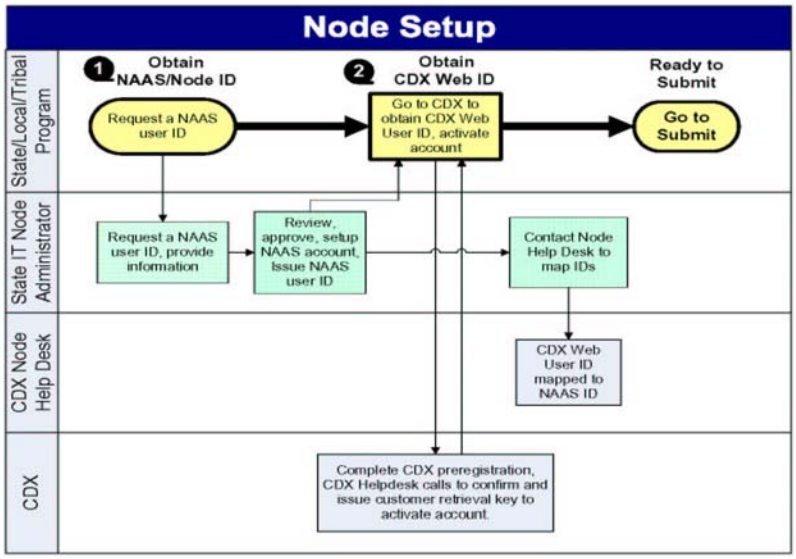


Figure 5-1. Setting up a Full Node on the Exchange Network.

All state Nodes must be configured to point to an endpoint that is compatible with the Node. These endpoints are listed below for both the Test and Production Environments for ICIS data flows and comply with Node Specifications version 1.1, 2.0, and 2.1. The version 2.1 endpoints are for use by Nodes or Node Clients that have been upgraded to comply with Node Specification v2.1.

- Node 2.1 Test - https://testngn.epacdxnode.net/ngn-enws20/services/NetworkNode2ServiceConditionalMTOM
- Node 2.1 Production - https://cdxnodengn.epa.gov/ngn-enws20/services/NetworkNode2ServiceConditionalMTOM
- Node 2.0 Test - https://testngn.epacdxnode.net/ngn-enws20/services/NetworkNode2Service
- Node 2.0 Production - https://cdxnodengn.epa.gov/ngn-enws20/services/NetworkNode2Service
- Node 1.1 Test - https://testngn.epacdxnode.net/cdx-enws10/services/NetworkNodePortType_V10
- Node 1.1 Production - https://cdxnodengn.epa.gov/cdx-enws10/services/NetworkNodePortType_V10.

These end points may change as Nodes are upgraded. Please refer to the Exchange Network website for details on the different Nodes and updated information on newer versions of Node endpoints.Any state or tribe that needs help establishing a full node on the Exchange Network and the Data Flow Name for ICIS should contact the CDX Help Desk for assistance.

6 SUBMITTING FILES TO ICIS-NPDES BATCH

After establishing access to the ICIS-NPDES Batch Web upload form on CDX and the Exchange Network node, submitters should use their Node to submit large files and use the Web upload form to submit small files only. Status messages and errors for files submitted through the CDX Web Form are displayed on the screen but if a Node is used the status and error messages are returned to Node Administrators, so submitters must be sure to retrieve their errors from their node administrator.

6.1 SUBMITTING ICIS-NPDES BATCH FILES MANUALLY THROUGH THE CDX WEB FORM FOR ICIS

After a submitter has manually uploaded a file using the CDX Web form or electronically submitted the file through its Node, CDX will determine if it is a zip compressed file containing one or more XML instance documents, extract the zipped file, perform virus scans on the extracted file(s), then check them against the ICIS-NPDES schema for well-formedness and validity before routing them to ICIS-NPDES Batch. If one or more XML instance documents within the same zipped file fails the virus scan or schema validation, none of the XML instance documents will not be sent to ICIS-NPDES Batch but will be rejected by CDX with up to 100 errors documented for each failed XML instance document in a downloadable file called "submission-metadata.xml".

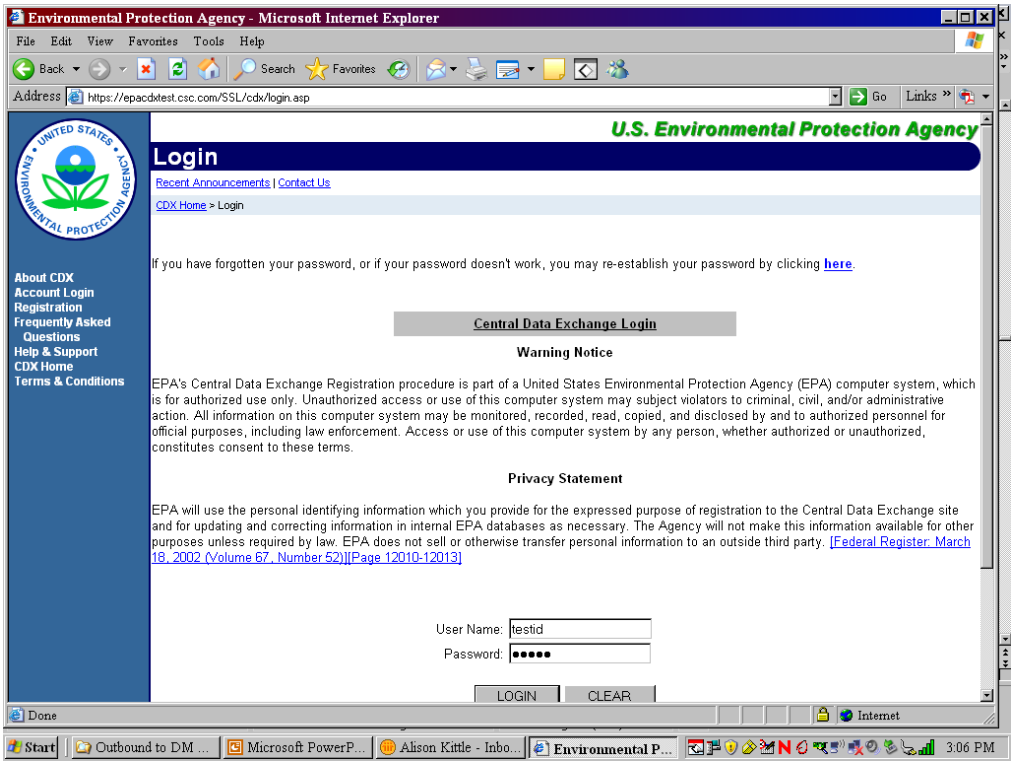
The ICIS-NPDES Batch Node retrieves all incoming XML instance documents from CDX during the day. Starting at 8:00 p.m. Eastern, the ICIS-NPDES Batch parser begins to process these files in the order received. The ICIS-NPDES parser logs any errors keeping data from being saved into ICIS that occur during processing. Upon completion, ICIS-NPDES stores the results, then generates a PDF of the results for hybrid batch submitters or an XML file or results for full batch users, before notifying CDX that processing of a submission file has been completed. CDX stores the status and sends the results from ICIS when a submitter issues a status and download request. Processing is halted at 6:00 a.m. the following morning.

States run the risk of having their files process out of order if more than one file is submitted before 8:00 p.m. on the same day. To avoid having later edits overwrite earlier edits, or have edits get rejected because their adds were rejected, users should wait until receiving notification from CDX that all outstanding batches have been processed and any rejections should be corrected before submitting the next new batch.

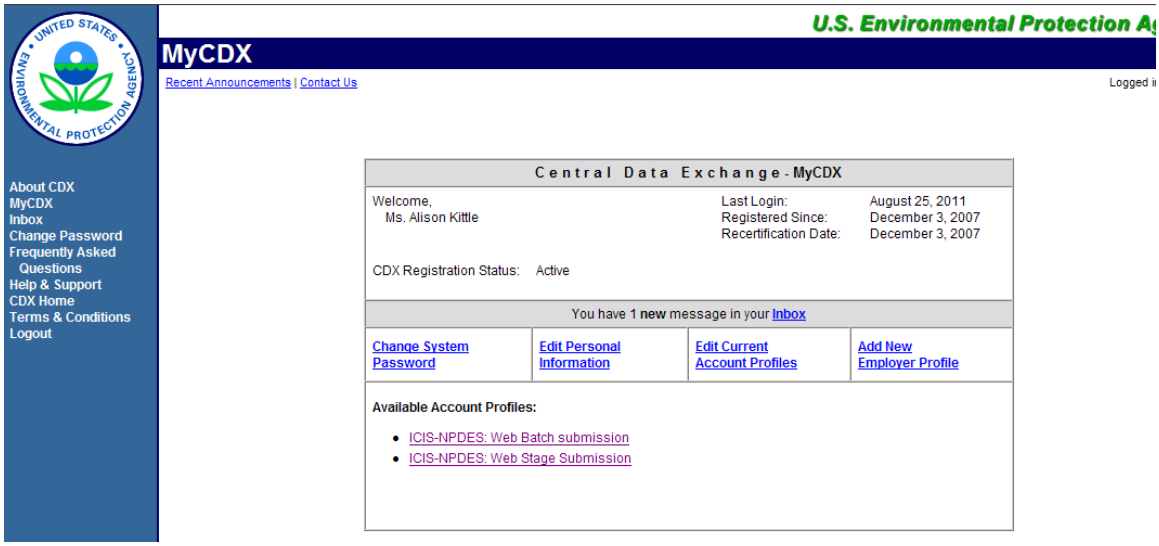
Submitters should identify and correct any submissions that are rejected by CDX or ICIS-NPDES Batch and resubmit the corrections before submitting any new files to ICIS-NPDES Batch!

The steps for submitting using the CDX Web Form are:

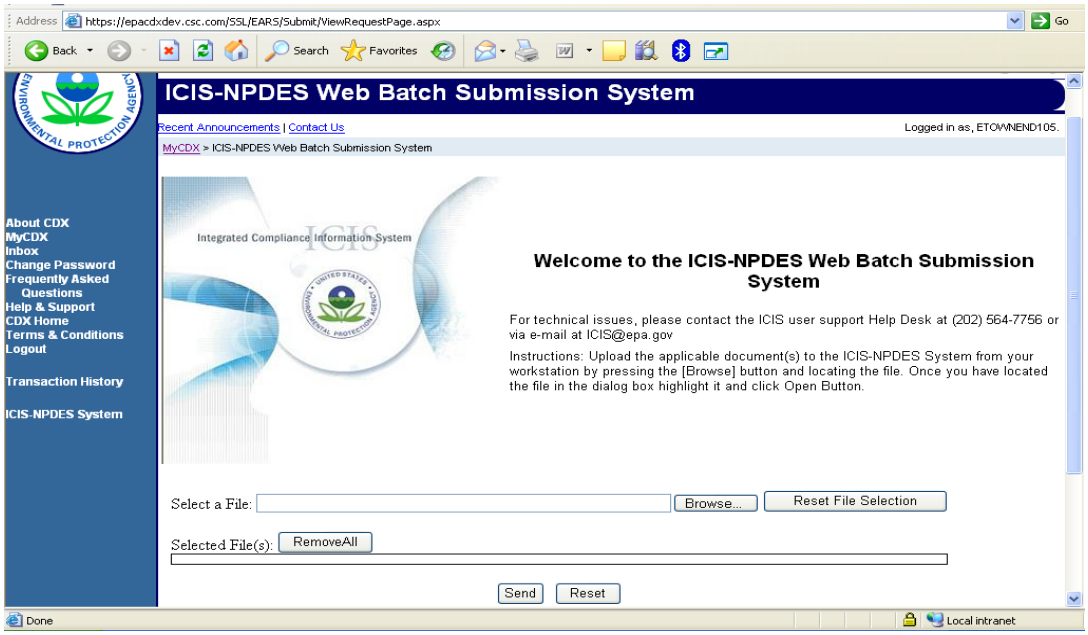
- Open a web browser. To perform submissions in the CDX Test environment, navigate to the CDX Login Screen at https://test.epacdx.net/SSL/cdx/login.asp or to perform submissions in the CDX Production environment, navigate to the CDX Login Screen at https://cdx.epa.gov/SSL/CDX/Login.asp then enter your TSSMS ID and CDX password and click on the **Login** button:



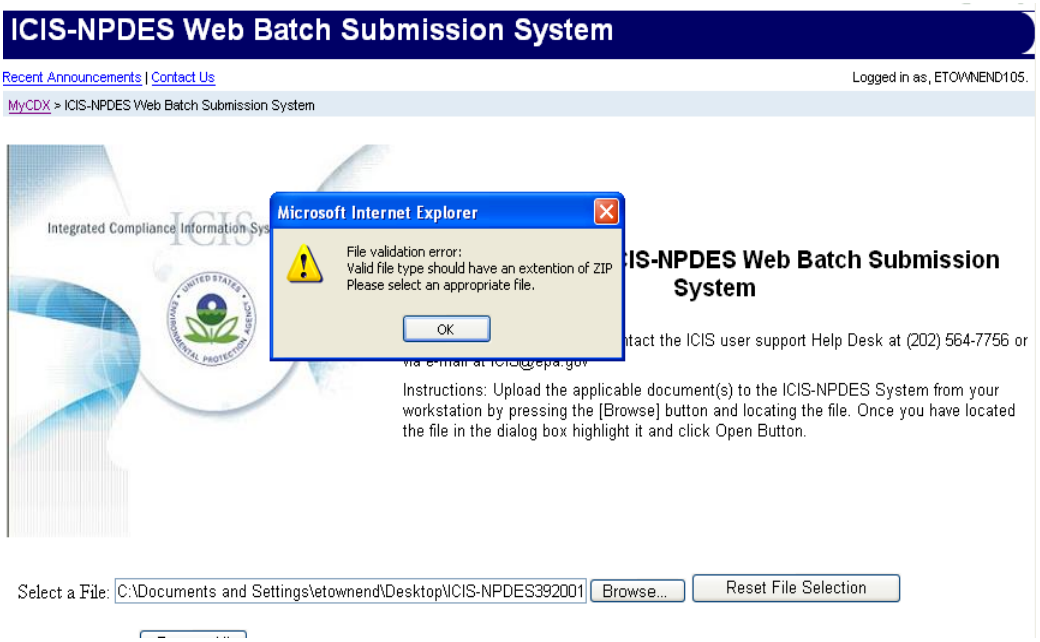
- If you are able to successfully log in, the MyCDX web page will be displayed. For submissions to the ICIS Stage environment, click on the **ICIS-NPDES Web Stage Submission** hyperlink. For submissions to the ICIS Batch Test environment, click on the **ICIS-NPDES Web Batch Submission** hyperlink:



- The "Welcome to ICIS-NPDES Web Batch screen will be displayed. Either enter the name of the zipped file(s) to submit or click on the Browse button to search for and select the zipped XML file(s) to submit, then click on the **Send** button:



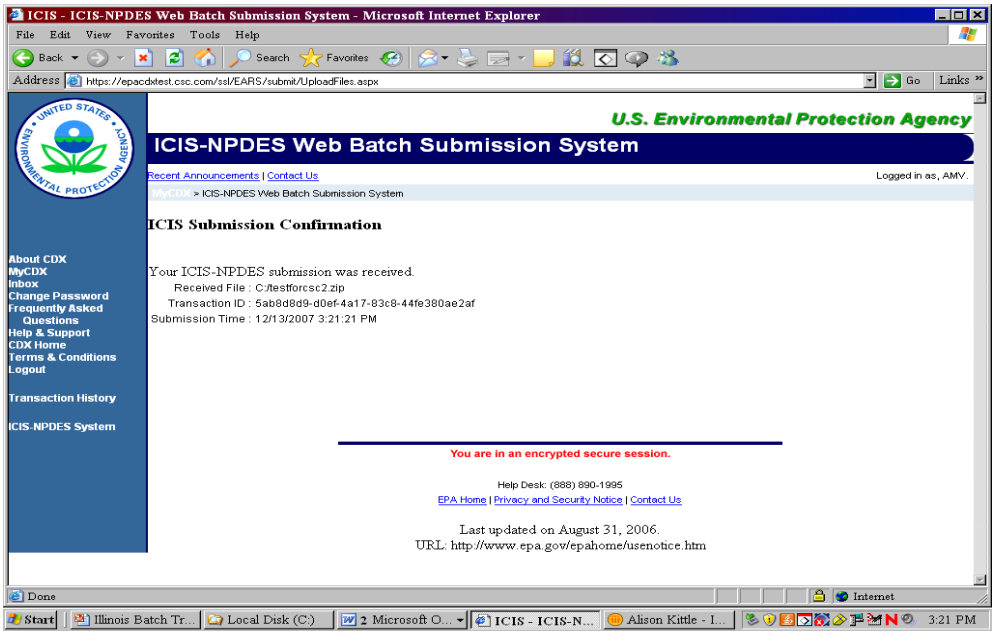
- If a file other than a zipped XML file is uploaded, the CDX Web Form will reject the file with an error message window. Click on the **OK** button and resubmit a zipped XML file(s) again.



- The CDX Web Form will display the ICIS Submission Confirmation when a submission is accepted. **Write down the**

  - ✓ **Date**
  - ✓ **Time and**
  - ✓ **Transaction ID**

  on this screen to use for tracking your submission, then click on the **Transaction History** link at the bottom of the blue box on the left of the screen:



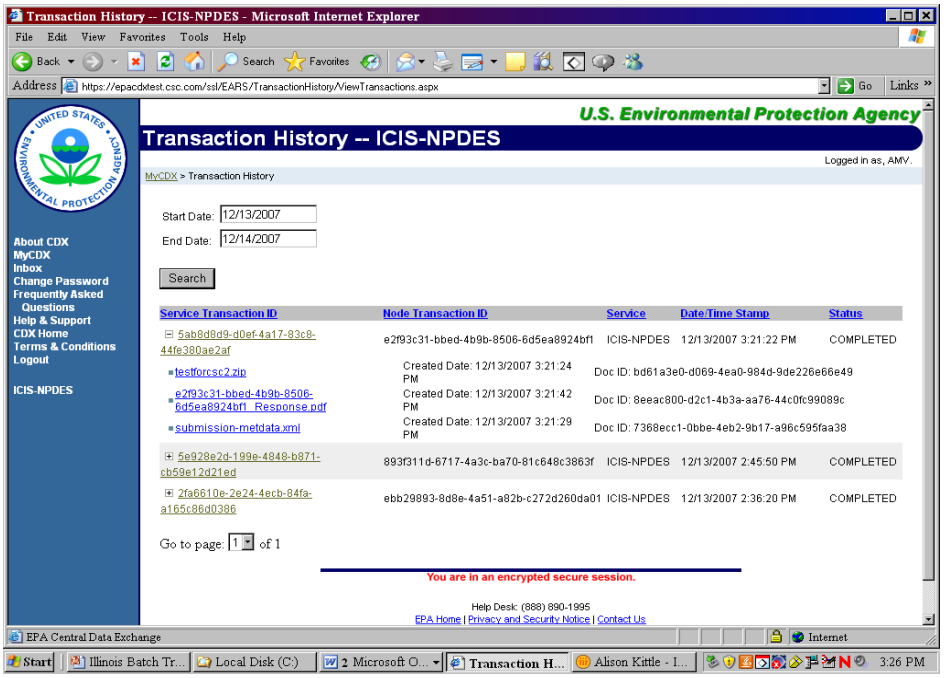
- The Transaction History screen will be displayed and the Transaction ID from the Confirmation Screen will be listed on this screen under the "Service Transaction ID" column.

Hint

*Write down the **Node Transaction ID** so you can use it to retrieve your ICIS Batch Audit Reports and give it to ICIS User Support when reporting errors or problems!*

Hint

*If your file is not listed on the Transaction History screen, try entering tomorrow's date in the **End Date** field and click on the **Search** button!*



- Check the **Status** column for the status of your Transaction ID and do the action appropriate for the status:

Status	Cause	Action to Perform
Received	CDX received the file and is running it through validation checks.	Click on the Search button periodically until one of the other Statuses is shown.
Pending	CDX ran the file through validation checks successfully and passed the file to ICIS Batch for processing	Log off the CDX Web form and wait until after 6 a.m. the following morning to log back in and check the status for this Transaction ID
Failed	CDX ran the file through validation checks unsuccessfully and errors need to be fixed.	Click on the plus sign next to the Transaction ID to display downloadable files, download "submission-metadata.xml" by double-clicking on it, then use the error messages to fix XML schema validation errors and resubmit.
Completed	ICIS finished processing the file. There may or may not be errors.	Click on the plus sign next to the Transaction ID to display downloadable files and download "<nodetransaction_id._response.pdf" by double-clicking on it, then Hybrid Batch states will need to log into ICIS and run Batch Audit Reports using your Transaction ID and submission date for report criteria.

6.2 SUBMITTING ICIS-NPDES BATCH FILES MANUALLY THROUGH THE CDX EXCHANGE NETWORK SERVICES CENTER

After a submitter has manually uploaded a file using the CDX Exchange Network Services Center, CDX will determine if it is a zip compressed file containing one or more XML instance documents, extract the zipped file, perform virus scans on the extracted file(s), then check them against the ICIS-NPDES schema for well-formedness and validity before routing them to ICIS-NPDES Batch. If one or more XML instance documents within the same zipped file fails the virus scan or schema validation, none of the XML instance documents will not be sent to ICIS-NPDES Batch but will be rejected by CDX with up to 100 errors documented for each failed XML instance document in a downloadable file called "submission-metadata.xml".

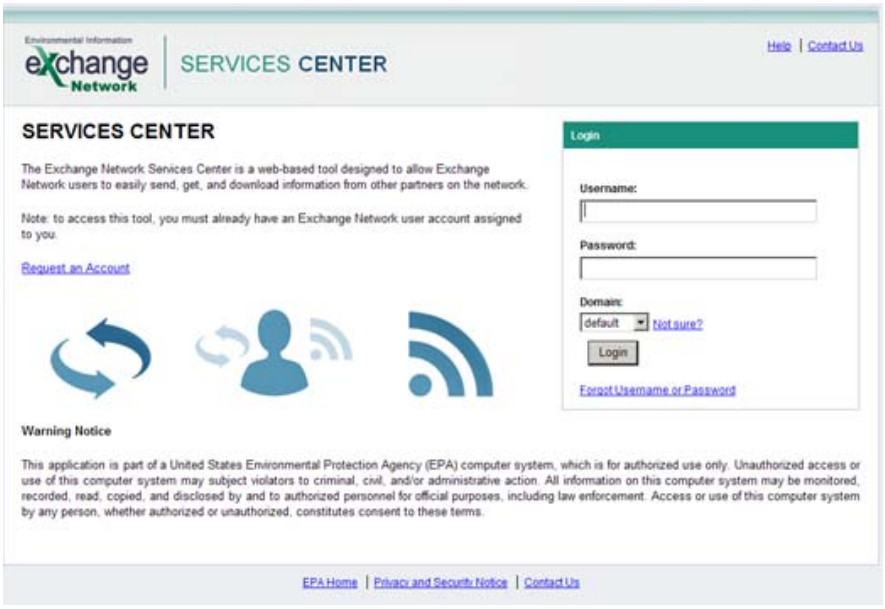
The ICIS-NPDES Batch Node retrieves all incoming XML instance documents from CDX during the day. Starting at 8:00 p.m. Eastern, the ICIS-NPDES Batch parser begins to process these files in the order received. The ICIS-NPDES parser logs any errors keeping data from being saved into ICIS that occur during processing. Upon completion, ICIS-NPDES stores the results, then generates a PDF of the results for hybrid batch submitters or an XML file or results for full batch users, before notifying CDX that processing of a submission file has been completed. CDX stores the status and sends the results from ICIS when a submitter issues a status and download request. Processing is halted at 6:00 a.m. the following morning.

States run the risk of having their files process out of order if more than one file is submitted before 8:00 p.m. on the same day. To avoid having later edits overwrite earlier edits, or have edits get rejected because their adds were rejected, users should wait until receiving notification from CDX that all outstanding batches have been processed and any rejections should be corrected before submitting the next new batch.

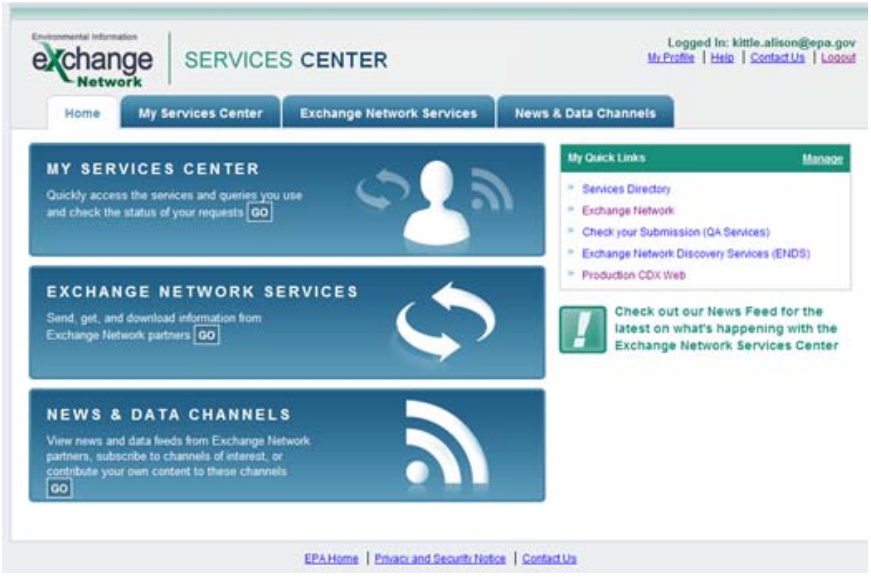
Submitters should identify and correct any submissions that are rejected by CDX or ICIS-NPDES Batch and resubmit the corrections before submitting any new files to ICIS-NPDES Batch!

The steps for submitting using the CDX Exchange Network Services Center are:

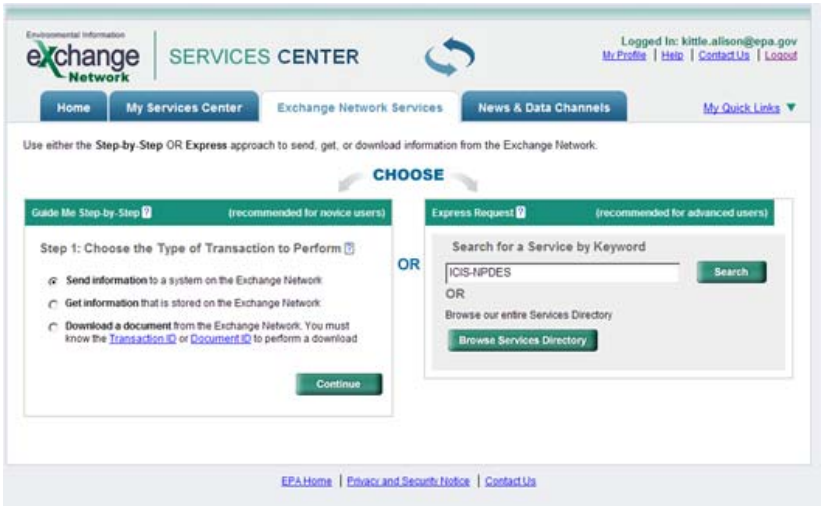
- Open a web browser. To perform submissions in the CDX Test environment, navigate to the CDX Login Screen at https://enservicestest.epacdxnode.net/login.aspx or to perform submissions in the CDX Production environment, navigate to the CDX Login Screen at https://enservices.epa.gov/Login.aspx then enter your NAAS account and CDX password, then click on the **Login** button:



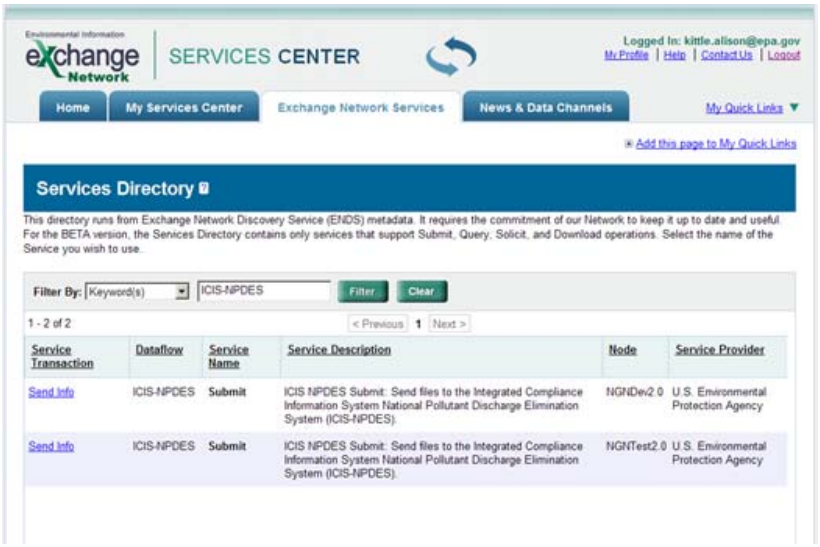
- If you are able to successfully log in, the Home page will be displayed. Click on the Exchange Network tab:



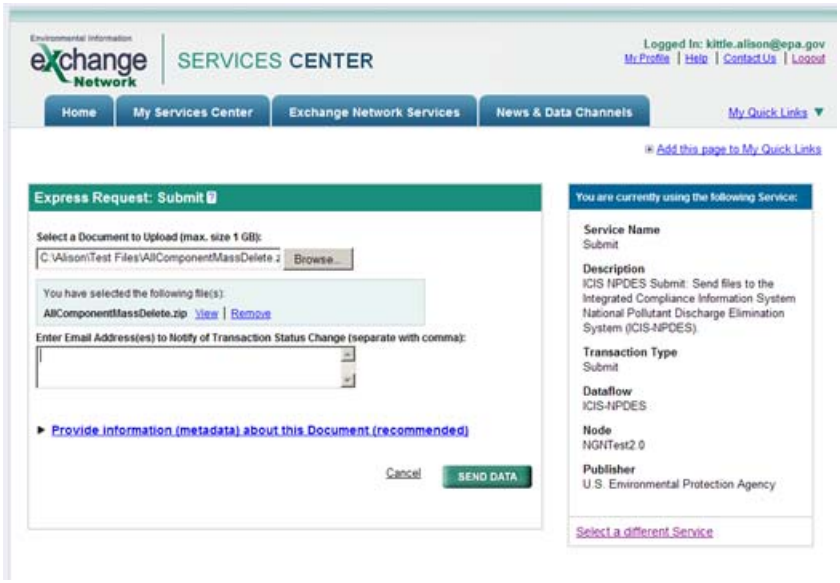
- Enter **ICIS-NPDES** in the Express Request box and click on the **Search** button:



- Click on the "Send Info" hyperlink of the NGNDev2.0 Node to submit files to the ICIS Stage environment, or click on the "Send Info" hyperlink of the NGNTest2.0 Node to submit files to the ICIS Batch Test environment:



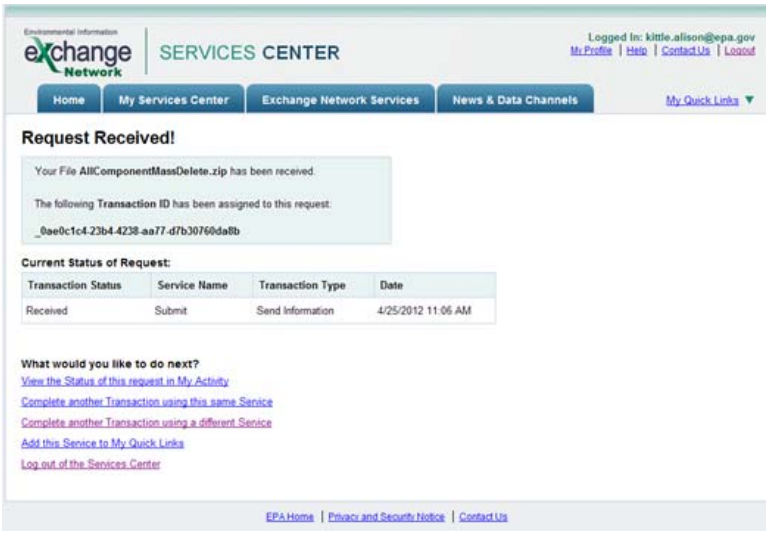
- Click on the Browse button to search for and select the zipped XML file(s) to submit, then click on the **Send Data** button:



- The CDX Web Form will display the Request Received page when a submission is accepted. **Write down the**

  - ✓ **Date**
  - ✓ **Time and**
  - ✓ **Transaction ID**

  on this screen to use for tracking your submission, then click on the "View the Status of this request in My Activity" hyperlink at nearthe bottom of the screen:



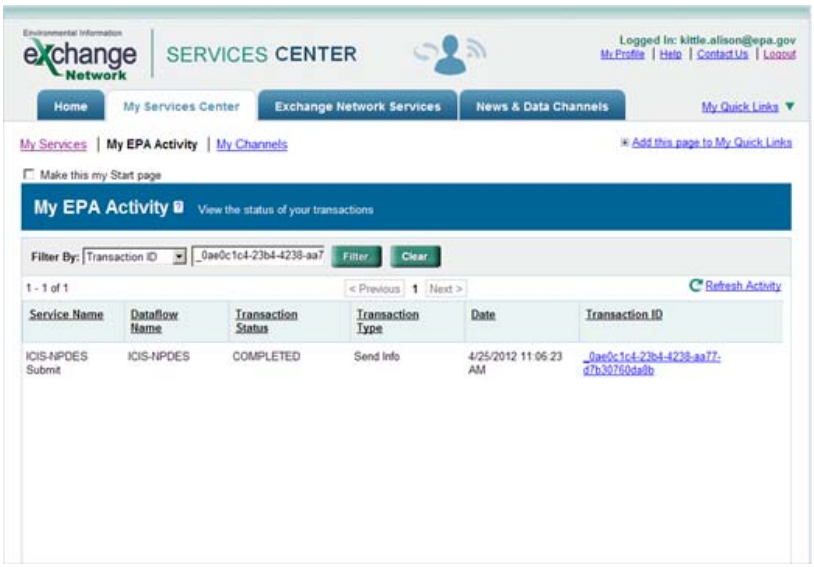
- The Transaction History screen will be displayed and the Transaction ID from the Confirmation Screen will be listed on this screen under the "Transaction ID" column.

Hint

*Write down the **Node Transaction ID** so you can use it to retrieve your ICIS Batch Audit Reports and give it to ICIS User Support when reporting errors or problems!*

Hint

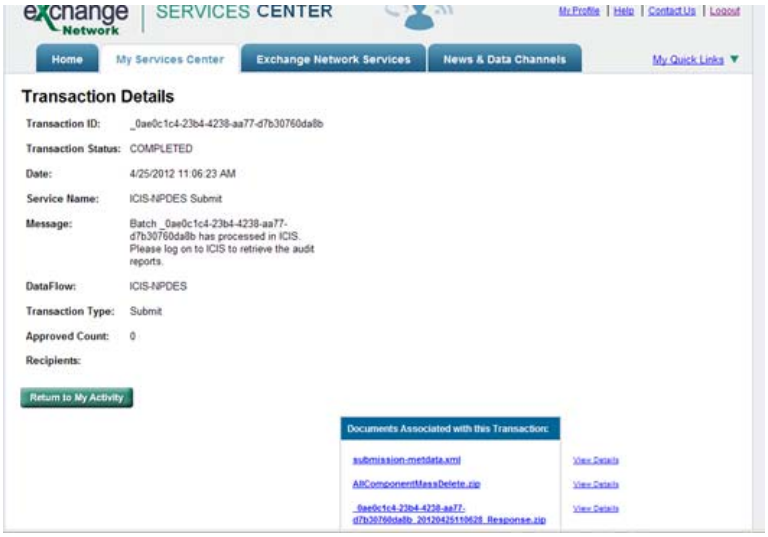
*If your file is not listed on the Transaction History screen, click on the **Refresh History** button!*



- Check the **Status** column for the status of your Transaction ID and do the action appropriate for the status:

Status	Cause	Action to Perform
Received	CDX received the file and is running it through validation checks.	Click on the Search button periodically until one of the other Statuses is shown.
Pending	CDX ran the file through validation checks successfully and passed the file to ICIS Batch for processing	Log off the CDX Web form and wait until after 6 a.m. the following morning to log back in and check the status for this Transaction ID
Failed	CDX ran the file through validation checks unsuccessfully and errors need to be fixed.	Click on the plus sign next to the Transaction ID to display downloadable files, download "submission-metadata.xml" by double-clicking on it, then use the error messages to fix XML schema validation errors and resubmit.

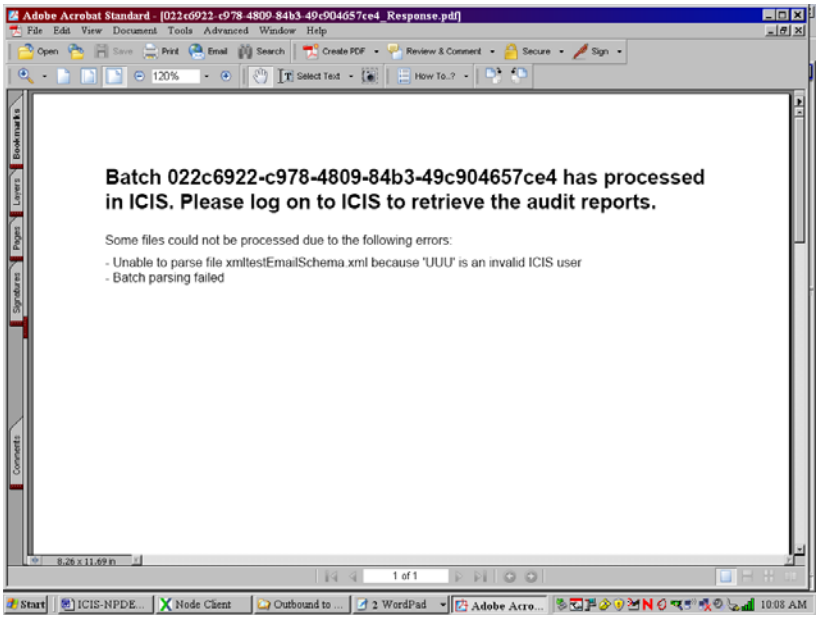
Completed	ICIS finished processing the file. There may or may not be errors.	Click on the plus sign next to the Transaction ID to display downloadable files and download "<nodetransaction_id._response.pdf" by double-clicking on it, then Hybrid Batch states will need to log into ICIS and run Batch Audit Reports using your Transaction ID and submission date for report criteria.



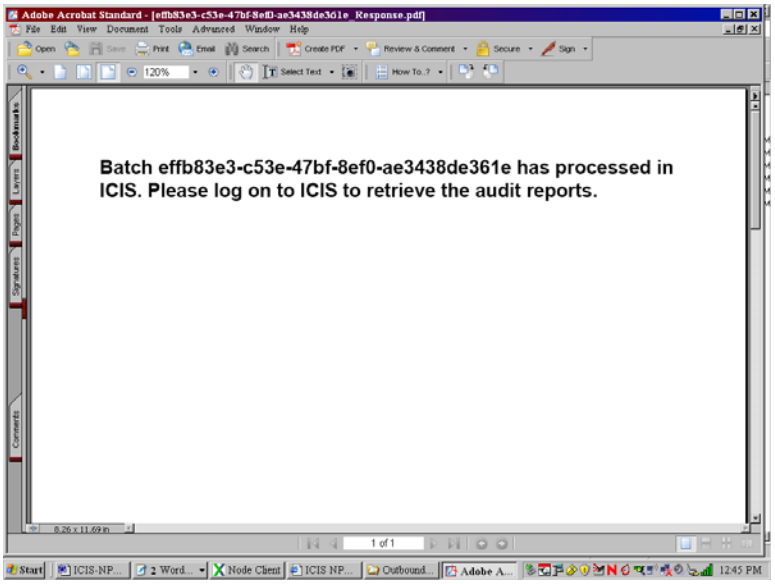
6.2.1 Viewing Results For Hybrid Batch States

If the status of your transaction is "Completed", click on the plus sign to the left of the desired ServiceTransactionID to view files containing results. One of the results files is a PDF containing a notification that you must log into ICIS and generate your results using Business Objects. Click on <nodetransactionID_response.pdf" file to view this PDF of results:

a. If the bottom part of the message says "Some files could not be processed due to the following errors" as shown in the screen below, ICIS could not process the file. Contact ICIS User Support for help.



b. If the PDF only contains the message below, log into the ICIS-NPDES system to view the results using the Batch Audit Reports.



- If the status of your transaction is "Failed", click on the **submission-metadata.xml** file to view up to 100 errors that CDX found while trying to send your file to ICIS and do one of the following:

c. If the <*result*> tag has a message that starts with "**Congratulations** …" the file passed schema validation but could not be sent to ICIS for an unknown reason. Contact the CDX Help Desk for help.

```
<?xml version="1.0" encoding="UTF-8"?>
<submission>
 <file>
  <name>xmltestschemaEmail.xml</name>
  <email>kittle.alison@epa.gov</email>
  <status>Valid</status>
  <result>Congratulations! The document,\\cdxprepnetapp1\QA_Temp\2668e6db-36f1-4ed4-859c-0f097c3e47ef0.unzipped\txg330035change.xml, is valid according to the schema.</result>
 </file>
</submission>
```

d. If the <*result*> tag message is similar to one or more of the schema validation errors listed in Section 9.2, find and fix the error(s) in your XML file and resubmit the file. Contact ICIS User Support if you need help with stubborn schema validation errors.

```
<?xml version="1.0" encoding="UTF-8"?>
<submission>
 <file>
  <name>xmltestschemaEmail.xml</name>
  <email>kittle.alison@epa.gov</email>
  <status>Valid</status>
  <result> The document,\\cdxprepnetapp1\QA_Temp\e1a14bae-fcd8-41d1-87a6-3eec4cee65cf0, contains the following error(s): Error at line 4 column 40 : The 'c:\ICISSchemas\SchemasVersion2.0:Id' element is invalid - The value 'UUStaffer112345678901234567890 1' is invalid according to its datatype 'c:\ICISSchemas\SchemasVersion2.0:StringMin3Max30Type' - The actual length is greater than the MaxLength value.</result>
 </file>
</submission>
```

e. If the <*result*> tag has a message that is similar to one or more of the SOAP validation errors listed in Section 9.4 an error other than schema validation occurred. Contact ICIS User Support for help.

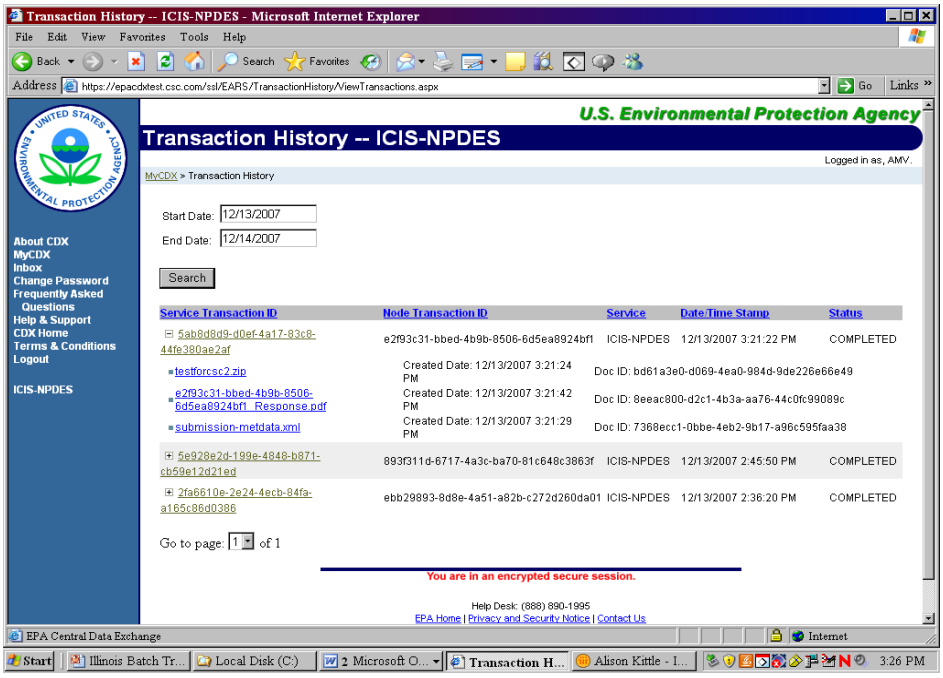
```
<?xml version="1.0" encoding="UTF-8"?>
<submission>
 <file>
  <name>xmltestschemaEmail.xml</name>
  <email>kittle.alison@epa.gov</email>
  <status>Valid</status>
  <result> description>Unable to authenticate user.</result>

 </file>
</submission>
```

Hint

Refer to Section 9 of this document for a comprehensive list of XML schema validation errors, what caused them and how to fix them.

Contact ICIS User Support if you need assistance with interpreting the contents of "submission-metadata.xml"!

- To exit the CDX Web Form, click on the Logout button link near the bottom of the blue box on the left of the screen:



Hint

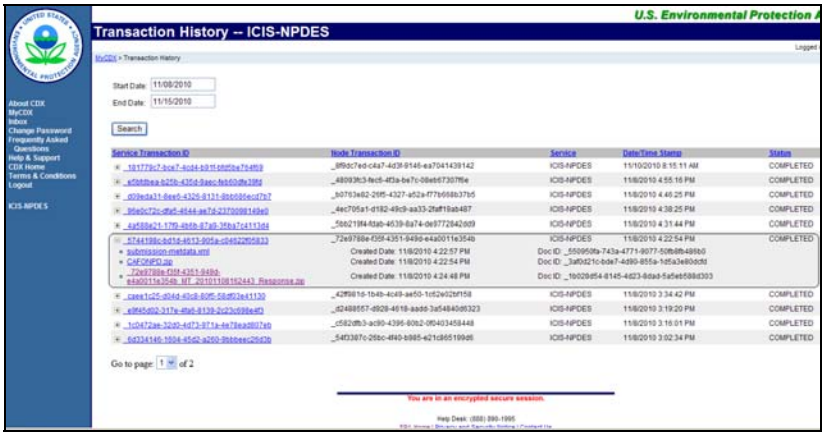
Contact the CDX Help Desk if you encounter any problems or have questions logging into the CDX Web Form or navigating the screens. Contact ICIS User Support for assistance with interpreting submission-metadata.xml or the PDF file.

6.2.2 Viewing Results for Full Batch States

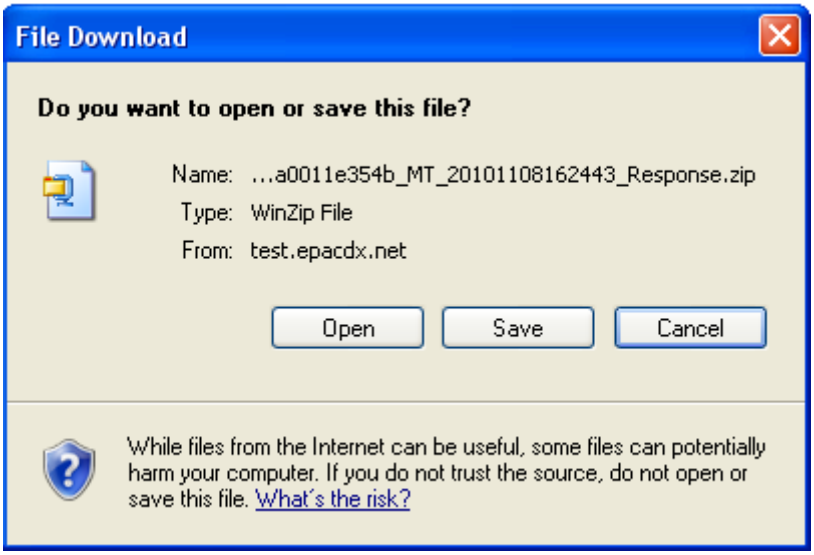
Hint

All XML files in your zipped submission file must contain a Property tag for the FullBatch name/value pair in order to get results in XML format!

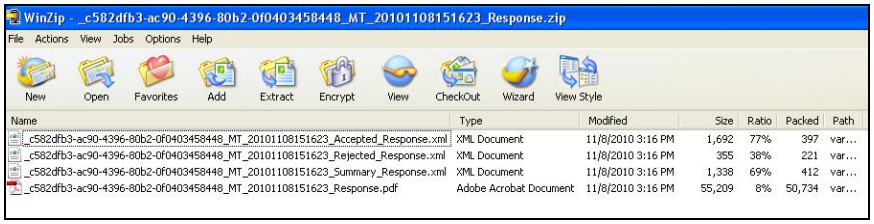
If the status of your transaction is "Completed", click on the plus sign to the left of the desired ServiceTransactionID to open a list of files containing results. If your submission file contained the FullBatch name/value pair in the Property tag you will be able to download your results in PDF and XML format. Otherwise, refer to the section above for retrieving your results. See Section 7.2 for details on the FullBatch name/value pair.



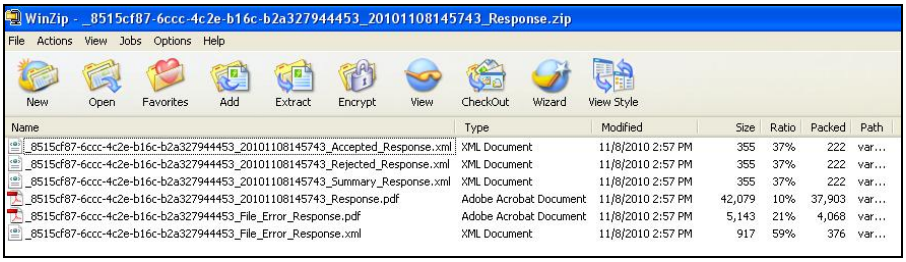
a. Click on "<nodetransactionID_response.zip" file to open a dialog window that will allow you to open or download a zipped file containing XML files of accepted, rejected and summary transaction data and a PDF file of accepted, rejected and summary transaction reports in their own tabs:



b. Click on Open to view the contents of the zipped file, or click on Save to Save the zipped file. If all the XML files within your XML submission were able to be processed by ICIS there will be four files listed within the zipped file as shown below:



c. If one or more of the XML files within your submission was unable to be processed by ICIS due to an invalid ICIS ID or another reason, there will be six files listed within the zipped file as shown below. The files named "<nodetransactionID_ File_Error_Response.pdf>" and "<nodetransactionID_ File_Error_Response.xml>" contain information on the file that could not be processed with the reason.



d. If the status of your transaction is "Failed", click on the **submission-metadata.xml** file to view up to 100 errors that CDX found while trying to send your file to ICIS and do one of the following:

e. If the <*result*> tag has a message that starts with "**Congratulations** …" the file passed schema validation but could not be sent to ICIS for an unknown reason. Contact the CDX Help Desk for help.

```
<?xml version="1.0" encoding="UTF-8"?>
<submission>
 <file>
  <name>xmltestschemaEmail.xml</name>
  <email>kittle.alison@epa.gov</email>
  <status>Valid</status>
  <result>Congratulations! The document,\\cdxprepnetapp1\QA_Temp\2668e6db-36f1-4ed4-859c-
0f097c3e47ef0.unzipped\txg330035change.xml, is valid according to the schema.</result>
 </file>
</submission>
```

f. If the <*result*> tag message is similar to one or more of the schema validation errors listed in Section 9.2, find and fix the error(s) in your XML file and resubmit the file. Contact ICIS User Support if you need help with stubborn schema validation errors.

```
<?xml version="1.0" encoding="UTF-8"?>
<submission>
 <file>
  <name>xmltestschemaEmail.xml</name>
  <email>kittle.alison@epa.gov</email>
  <status>Valid</status>
```

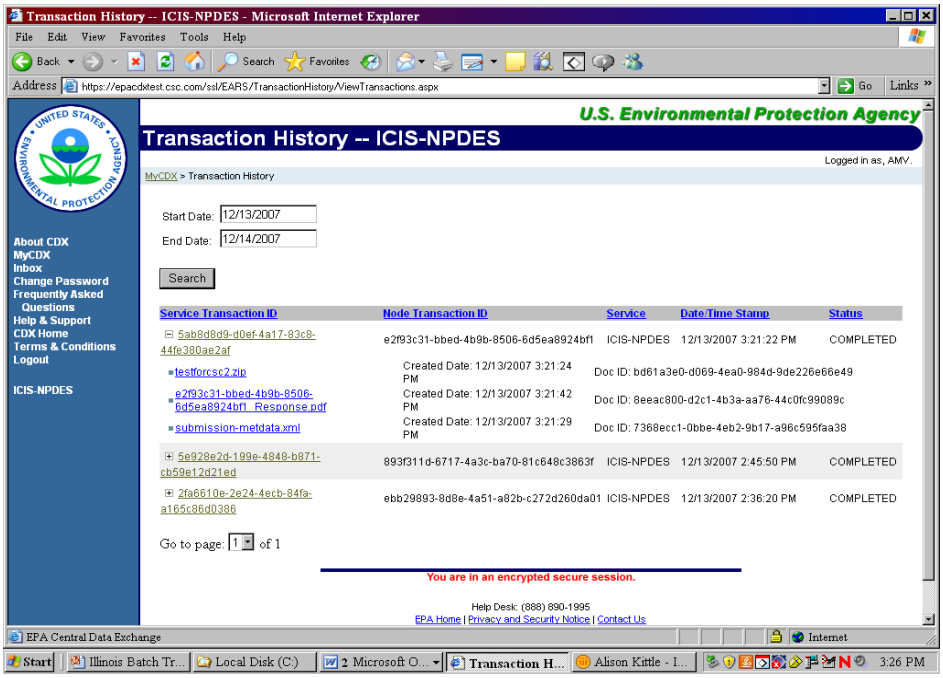
```
  <result> The document,\\cdxprepnetapp1\QA_Temp\e1a14bae-fcd8-41d1-87a6-3eec4cee65cf0, contains the following error(s): Error at line 4 column 40 : The 'c:\ICISSchemas\SchemasVersion2.0:Id' element is invalid - The value 'UUStaffer112345678901234567890 1' is invalid according to its datatype 'c:\ICISSchemas\SchemasVersion2.0:StringMin3Max30Type' - The actual length is greater than the MaxLength value.</result>
 </file>
</submission>
```

g. If the *<result>* tag has a message that is similar to one or more of the SOAP validation errors listed in Section 9.4 an error other than schema validation occurred. Contact ICIS User Support for help.

```
<?xml version="1.0" encoding="UTF-8"?>
<submission>
 <file>
  <name>xmltestschemaEmail.xml</name>
  <email>kittle.alison@epa.gov</email>
  <status>Valid</status>
  <result> description>Unable to authenticate user.</result>

 </file>
</submission>
```

Refer to Section 9 of this document for a comprehensive list of XML schema validation errors, what caused them and how to fix them. Contact ICIS User Support if you need assistance with interpreting the contents of "submission-metadata.xml"!

- To exit the CDX Web Form, click on the Logout button link near the bottom of the blue box on the left of the screen:



Hint

Contact the CDX Help Desk if you encounter any problems or have questions logging into the CDX Web Form or navigating the screens. Contact ICIS User Support for assistance with interpreting submission-metadata.xml or the PDF file.

Hint

States, tribes or EPA regions using a Node Client for their data submissions should consider using the CDX Web Upload form instead of the Node Client for ICIS-NPDES Batch submissions!

6.3 SUBMITTING ICIS-NPDES BATCH FILES ELECTRONICALLY THROUGH A NODE ON THE EXCHANGE NETWORK

Hint

States, tribes or EPA regions wanting to use their Node on the Exchange Network to transfer data to ICIS should have their Node Administrator talk to the Node Help Desk for details on how to configure it properly!

Figure 6-1 illustrates the typical scenario for a state, tribe or EPA region submitting files to ICIS-NPDES Batch through their full node.

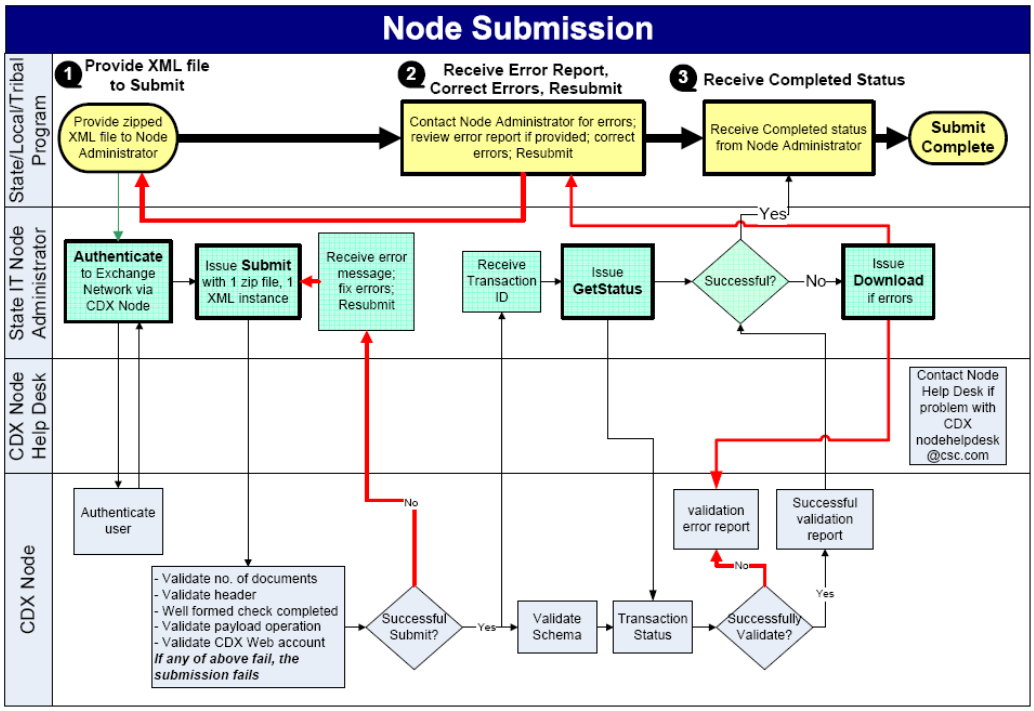


Figure 6-1. The Standard Flow of Data through CDX Using a Full Node.

CDX will immediately reject a submission file infected with virus, in an incorrect format or unzipped and return a SOAP error message to the submitting node. CDX will validate accepted file uploads against the ICIS-NPDES schema before forwarding them to the ICIS-NPDES system. If schema validation errors are found in one or more XML submission files within the same zipped file, all XML submission files for that zipped file will be rejected, and CDX will set the status of the submission to "Failed" then report up to 100 schema validation errors for each XML submission files that failed in a SOAP message back to the submitting node.

If no schema validation errors are found, CDX forwards the submission file to ICIS-NPDES Batch. ICIS-NPDES Batch will extract data from the file and process it, then return a status of "Completed" to CDX when finished and return either a PDF file or a zipped file of results to CDX if the submitter was a hybrid batch user. See Section 7.2 for details on retrieving the zipped file of results in XML format.

The submitting node will query CDX for the status of a submission until CDX returns a status of "Completed" or "Failed". If the status is "Failed", the submitting node downloads a file called "submission-metadata.xml" from CDX to view the errors. If the status is "Completed" the submitting node either downloads a file called downloads a file containing errors called "<cdxtransactionID>_Response.zip" or a file reporting on the results called <cdxtransactionID>_Response.pdf (where <cdxtransactionID> is the same string as the External

Transaction ID assigned to the submission by CDX). Hybrid submitters will view their errors by logging into the ICIS-NPDES system and generating Batch Audit Reports.

Security tokens issued by CDX during authentication are in effect for only 10 minutes. Submitters must re-authenticate each time they request a response or download files from CDX if more than 10 minutes have lapsed between CDX interactions.

6.3.1 Installing or Upgrading a Node

A Node submitting to ICIS-NPDES Batch invokes the Exchange Network's Authenticate, Submit, GetStatus and Download web methods to authenticate at CDX, upload submission files, check submission file status, and download submission results.

States can choose to independently develop a new Node from scratch, upgrade an existing Node, or implement a Node solution developed by one of several vendors. Any of these options is perfectly acceptable and it is up to each individual state to decide which path best fits their organization's needs.

A pre-developed solution will allow states to take advantage of others' development work and lessons learned, so they are often more cost-effective than independently building a Node from scratch. However, states should also be aware that even these solutions typically require some customization to work within an individual organization's technology environment and infrastructure. Funding to support this work has been made available through the U.S. EPA's Exchange Network Grant Program.

The following Node 2.0 products are available for download or purchase. The accuracy of the information provided by these vendors and these links do not constitute an endorsement of the vendors or their products. Please contact the individual product owners for details.

- **Next Generation Node (NGN)** - A collaboration between U.S. EPA and Computer Sciences Corporation
  Java Implementation - Open Source
  Supports Node 1.1 and Node 2.0 specifications
  http://test.epacdxnode.net/ngn/
- **OpenNode2 –** A collaboration between state environmental agencies and Windsor Solutions.
  .NET or J2EE versions available
  Supports Node 1.1 and Node 2.0 specifications
  http://www.exchangenetwork.net/opennode2/index.htm
- **eNode 2008** – Developed by Enfotech.
  .NET or J2EE versions available
  Supports Node 1.1 and Node 2.0 specifications
  http://www.enfotech.com/projectfactsheets/e-node2008.pdf
- **Open Source Node 2.0** – Developed by CGI.
  Java Implementation - Open Source
  Supports Node 1.1 and Node 2.0 specification
  http://www.cgi.com/cgi/pdf/cginode_2_0_e.pdf

States using one of the Node products above should refer to that product's documentation for instructions on how to configure the authentication, submission, status and download features.

States developing their own Node product should refer to the Exchange Network website at http://www.exchangenetwork.net/node/index.htm for guidance on how to construct the SOAP messages necessary for the ICIS-NPDES Full Batch data flow.

The ICIS-NPDES Full Batch Node supports Node 2.0 specifications.

6.4 E-MAIL SUBMISSION NOTIFICATIONS

Submitters can receive e-mail notifications of submission status by inserting a "name/value" pair into the property tag within the header of their XML submission file containing their e-mail address. Figure 6-2 provides examples of e-mail name/value pairs for one or more multiple e-mail addresses.

```
<Header>
        …
        <Property>
                <name>e-mail</name>
                <value>john_doe@state.us</value>
        </Property>
</Header>
```

```
<Header>
        …
        <Property>
                <name>e-mail</name>
                <value>john_doe@state.us</value>
        </Property>
        <Property>
                <name>e-mail</name>
                <value>doe.john@state.us</value>
        </Property>
</Header>
```

Figure 6-2. Examples of Single and Multiple e-Mail Name/Value Pairs

Figures 6-3 through 6-5 are examples of e-mails from CDX acknowledging receipt of a submission, completion of a submission by ICIS and rejection of a submission due to CDX errors.

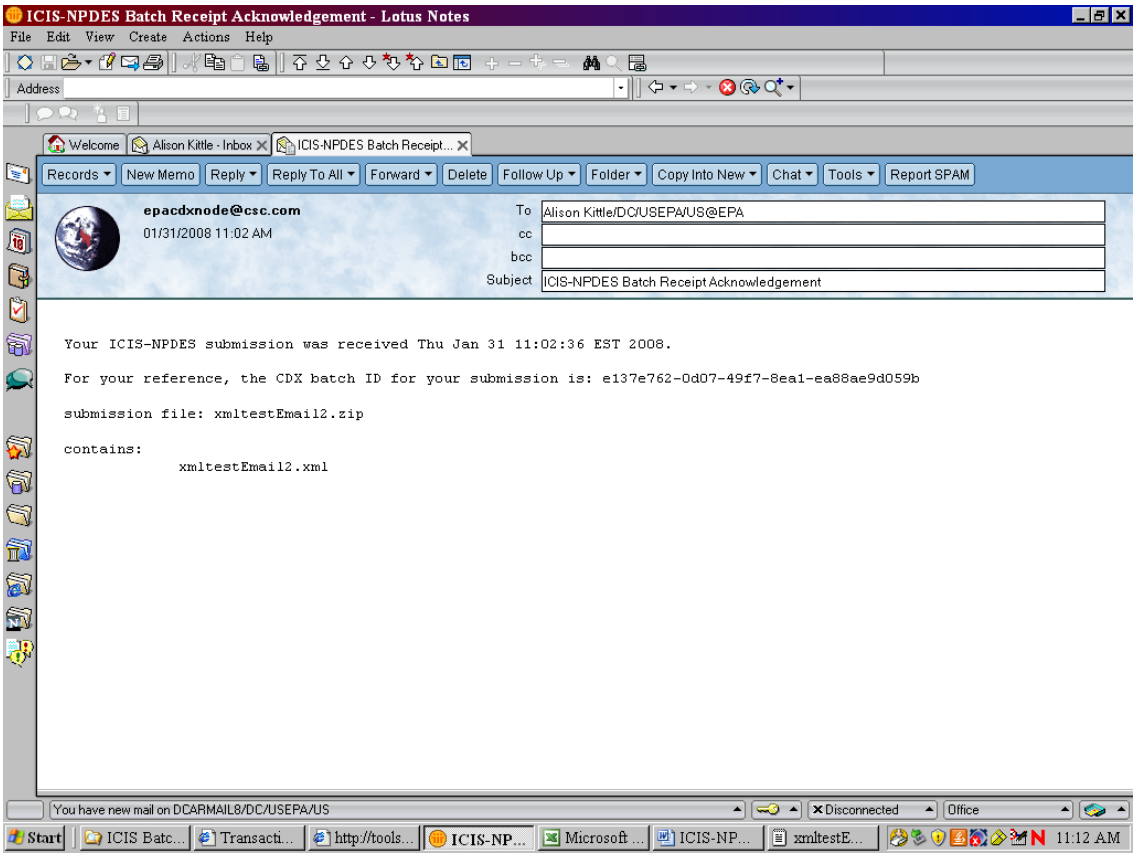


Figure 6-3. Example of Submission Receipt Notification e-mail from CDX

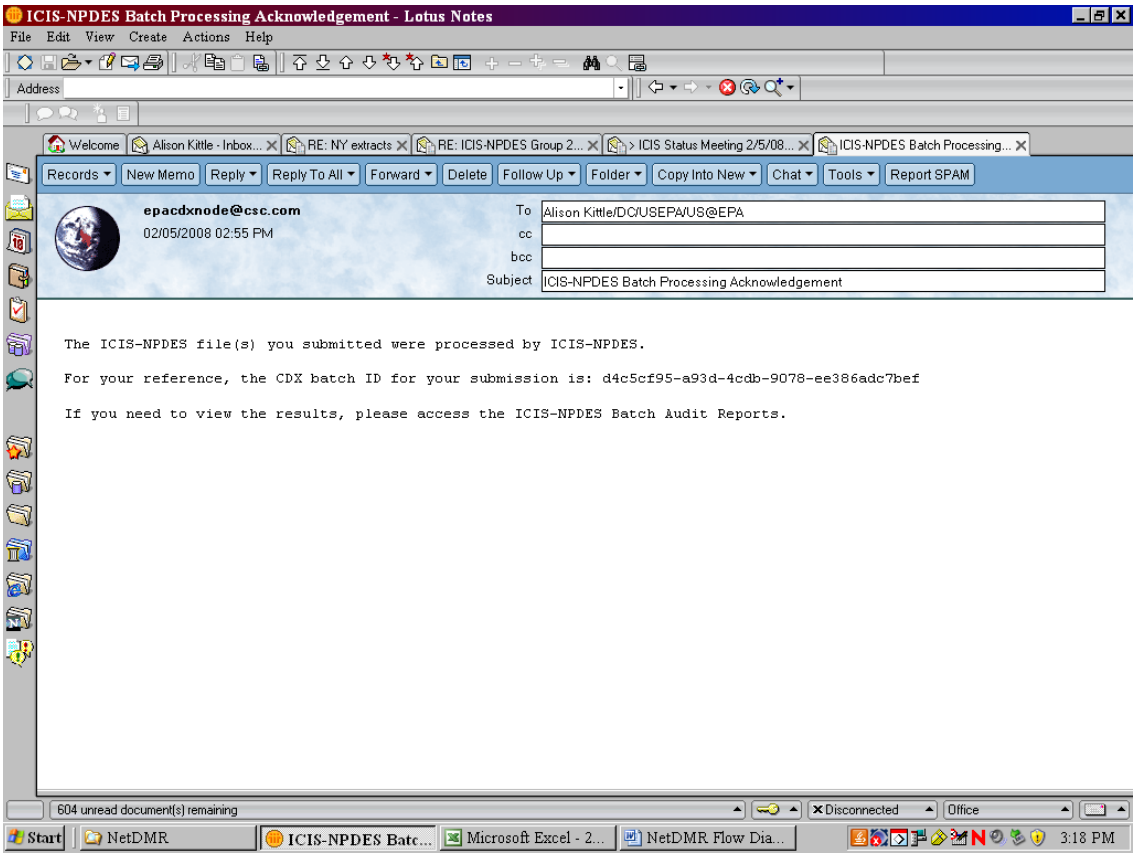


Figure 6-4. Example of ICIS-NPDES Batch Processing Completion Notification e-mail from CDX

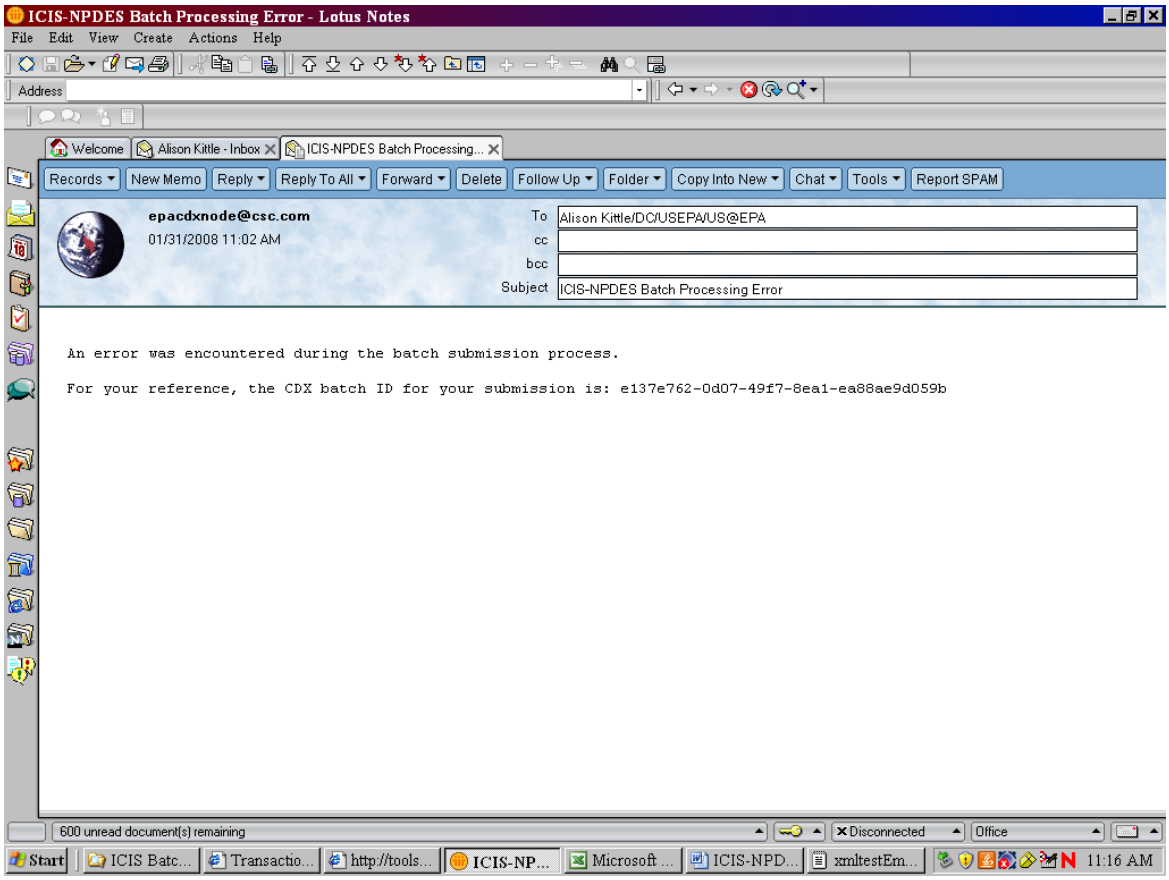


Figure 6-5. Example of Submission Failure Notification e-mail from CDX

Hint

Regions may submit XML files containing data for all their states either within one XML or in a separate XML file for each state!

Hint

A state can only submit XML files for permits within their state. ICIS-NPDES Batch will check the first two characters of a permit's ID against the ICIS ID contained within the <Id> tag and will reject any transactions with a state code that is not authorized to modify data for that state!

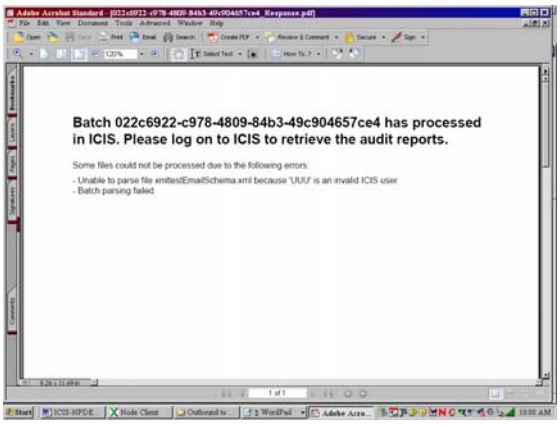
Hint

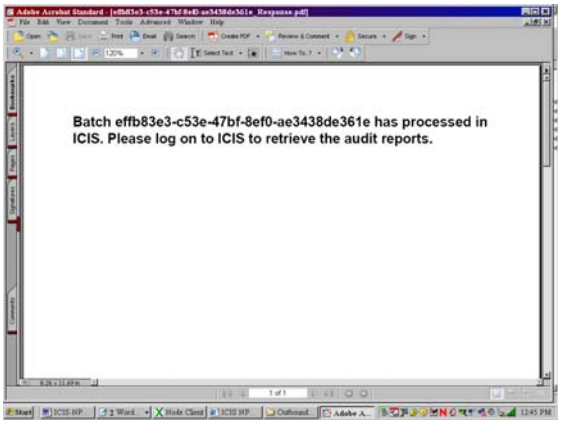
States, tribes and EPA regions may have ICIS-NPDES Batch process data and produce Batch Audit results by staff member. To do this, simply place all adds/changes/replaces/deletes/mass deletes for one staff member into their own XML file with their ICIS ID for that submitter in the <Id> tag Otherwise, data for all staff members is combined into one XML submission file containing one valid ICIS ID in the <Id> tag of that submission file!

7 VIEWING ICIS-NPDES BATCH SUBMISSION RESULTS

When CDX is unable to forward a submission file to ICIS-NPDES Batch because of errors, it sets the status of the submission to "Failed" and stores the errors in a file called "submission-metadata.xml". Otherwise, the status is set to "Pending" and the submission file is sent to ICIS-NPDES batch. The submitter must wait until the following day when ICIS-NPDES Batch completes processing the submission file, notifies CDX to set the status to "Completed", then sends the results to CDX.

For Full Batch states, the results are XML and PDF files containing lists of accepted transactions, rejected transactions and a transaction summary. For DMR Batch states, the result is a PDF file that notifies you that ICIS was successful and prompts you to log into ICIS and view the accepted transactions, rejected transactions and a transaction summary report, or the PDF will notify you that ICIS was not successful and the reason why:





If the batch was submitted using the CDX Web Form, the status of the batch appears on the Transaction History Screen and the submitter can click on a link to download and view "submission-metadata.xml". If the batch was submitted using their own Full State Node, the submitter can invoke a getStatus web method to check the status, then invoke the Download web method to retrieve "submission-metadata.xml" (if the status is "Failed") or retrieve "<nodetransaction id>_response.pdf" (if CDX returns a status of "Completed").

7.1 ICIS-NPDES DMR BATCH AUDIT REPORTS

The Batch reports in ICIS-NPDES are similar to PCS audit reports. They provide information on what happened to their transactions during the parsing and storing of each submittal file. Three Business Objects reports in ICIS-NPDES are designed to provide this information to batch users:

- **Rejected Transactions Report** – list of key fields with messages or errors ICIS encountered while processing transactions
- **Accepted Transactions Report** – list of key fields of transactions ICIS was able to process successfully
- **Batch Transactions Summary Report** – counts of transactions accepted or rejected by transaction type

DMR Batch submitters will need to log into ICIS-NPDES and click on a link to the Batch Audit Reports module to get to the reports. Each Report has a Selection Criteria Prompt box (Figure 7-

1) allowing the submitter to select the specific values for which they would like the report to be run. The values entered are used to gather the data to display on the report.

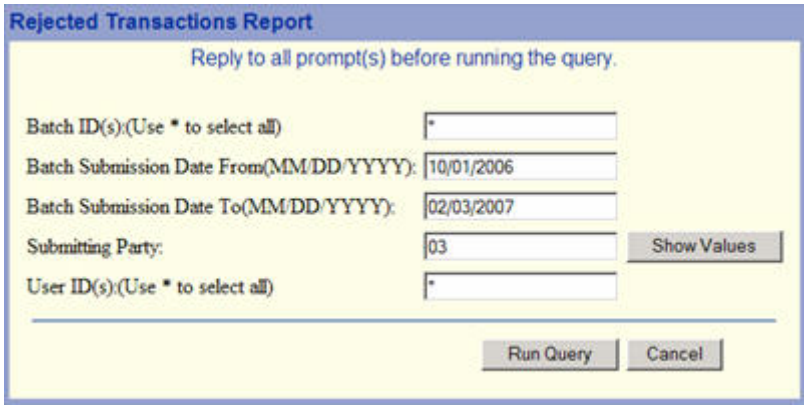


Figure 7-1. Example of Batch Audits Report Selection Criteria Prompts for the Rejected Transactions Report

These prompts are listed in Table 7-1 below with the values and rules associated with them.

Parameter	Required/Optional	Values and Rules
Batch ID(s)	Optional	Values: • Valid Batch Ids (Node Transaction ID as provided by the CDX Web form, or External Transaction ID as provided by the CDX node) Rules: • 1 or many values will be accepted • Multiple values must be separated by a semicolon • An '*' may be entered if the user does not want to select specific Batch ID(s)
Submission Date From	Required	Values: • Valid dates are any past dates and the current date in MM/DD/YYYY format Rules: • 1 value will be accepted • The value must be typed in
Submission Date To	Required	Values: • Valid dates are any past dates and the current date in MM/DD/YYYY format Rules: • 1 value will be accepted • The value must be typed in

Parameter	Required/Optional	Values and Rules
Submitting Party	Required	Values: • EPA Region Codes 01 through 10 • "HQ" for EPA Headquarters • Valid 2-character State, Territory and Canadian Province Postal Codes • "NN" for Navajo Nation Tribe • "SR" for St. Regis Tribe Rules: • 1 value will be accepted • The value can either be typed in or selected from a list of values generated from the ref_region and ref_state tables
User ID	Optional	Values: • Valid ICIS User IDs Rules: • 1 or many values will be accepted • Multiple values must be separated by a semicolon • An '*' may be entered if the user does not want to select specific User ID(s)

Table 7-1. Batch Audit Report Selection Criteria Prompts

Data must be entered into all Selection Criteria prompts or the report will not run!

When cutting and pasting Batch Ids or other data into the criteria, be sure not to copy any spaces before and after the data!

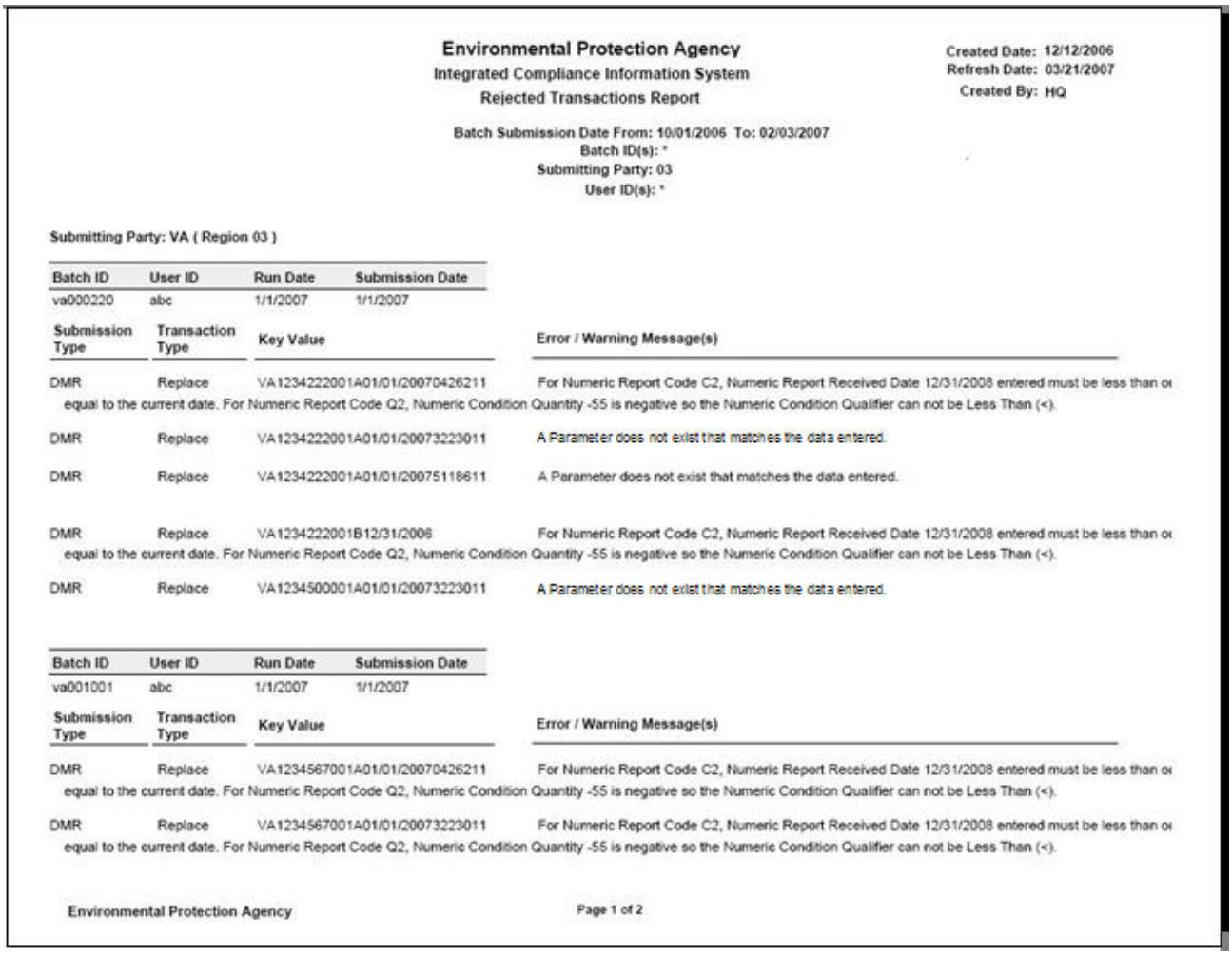
Always specify either a User ID or a Batch ID instead of an asterisk in both ID prompts to speed up the report!

The Batch ID is the same as the Node Transaction ID provided by the CDX Web Form or the External Transaction ID provided by the CDX node!

Contact ICIS User Support if you encounter any problems or have questions during the ICIS login or Batch Audit report generation process!

7.1.1 Rejected Transactions Report

The Rejected Transactions report can be viewed by selecting the Report in Business Objects, or running the Batch Audit Report and clicking on the Rejected Transactions tab. It displays detailed information about the batch transactions that were rejected. For each rejected transaction, key data are provided to identify the specific record that has an error and a detailed error message provides information to help the submitter correct the errors.



Environmental Protection Agency
Integrated Compliance Information System
Rejected Transactions Report

Created Date: 12/12/2006
Refresh Date: 03/21/2007
Created By: HQ

Batch Submission Date From: 10/01/2006 To: 02/03/2007
Batch ID(s): *
Submitting Party: 03
User ID(s): *

Submitting Party: VA (Region 03)

Batch ID	User ID	Run Date	Submission Date
va000220	abc	1/1/2007	1/1/2007

Submission Type	Transaction Type	Key Value	Error / Warning Message(s)
DMR	Replace	VA1234222001A01/01/20070426211	For Numeric Report Code C2, Numeric Report Received Date 12/31/2008 entered must be less than or equal to the current date. For Numeric Report Code Q2, Numeric Condition Quantity -55 is negative so the Numeric Condition Qualifier can not be Less Than (<).
DMR	Replace	VA1234222001A01/01/20073223011	A Parameter does not exist that matches the data entered.
DMR	Replace	VA1234222001A01/01/20075118611	A Parameter does not exist that matches the data entered.
DMR	Replace	VA1234222001B12/31/2006	For Numeric Report Code C2, Numeric Report Received Date 12/31/2008 entered must be less than or equal to the current date. For Numeric Report Code Q2, Numeric Condition Quantity -55 is negative so the Numeric Condition Qualifier can not be Less Than (<).
DMR	Replace	VA1234500001A01/01/20073223011	A Parameter does not exist that matches the data entered.

Batch ID	User ID	Run Date	Submission Date
va001001	abc	1/1/2007	1/1/2007

Submission Type	Transaction Type	Key Value	Error / Warning Message(s)
DMR	Replace	VA1234567001A01/01/20070426211	For Numeric Report Code C2, Numeric Report Received Date 12/31/2008 entered must be less than or equal to the current date. For Numeric Report Code Q2, Numeric Condition Quantity -55 is negative so the Numeric Condition Qualifier can not be Less Than (<).
DMR	Replace	VA1234567001A01/01/20073223011	For Numeric Report Code C2, Numeric Report Received Date 12/31/2008 entered must be less than or equal to the current date. For Numeric Report Code Q2, Numeric Condition Quantity -55 is negative so the Numeric Condition Qualifier can not be Less Than (<).

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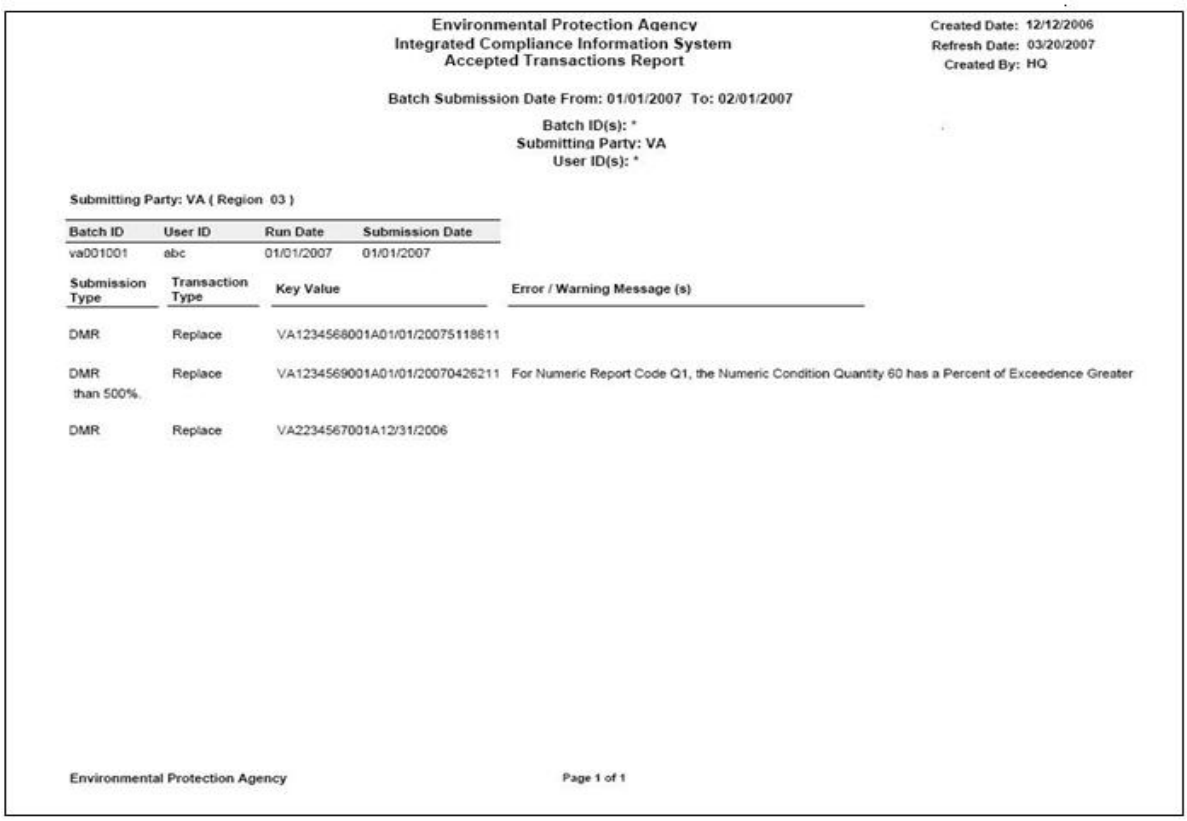
Hnt

Refer to Section 8 of this document for a comprehensive list of error messages, what caused them and how to fix them. Contact the CDX Help Desk if you need help interpreting error message in the Rejected Transactions Report!

7.1.2 Accepted Transactions Report

The Accepted Transactions report can be viewed by running the Batch Audit Report and clicking on the Accepted Transactions tab. It displays summary information about the batch transactions that were accepted. For each accepted transaction, key data are provided to identify the specific record that was accepted.



Environmental Protection Agency
Integrated Compliance Information System
Accepted Transactions Report

Created Date: 12/12/2006
Refresh Date: 03/20/2007
Created By: HQ

Batch Submission Date From: 01/01/2007 To: 02/01/2007

Batch ID(s): *
Submitting Party: VA
User ID(s): *

Submitting Party: VA (Region 03)

Batch ID	User ID	Run Date	Submission Date
va001001	abc	01/01/2007	01/01/2007

Submission Type	Transaction Type	Key Value	Error / Warning Message (s)
DMR	Replace	VA1234568001A01/01/20075118611	
DMR	Replace	VA1234569001A01/01/20070426211	For Numeric Report Code Q1, the Numeric Condition Quantity 60 has a Percent of Exceedence Greater than 500%.
DMR	Replace	VA2234567001A12/31/2006	

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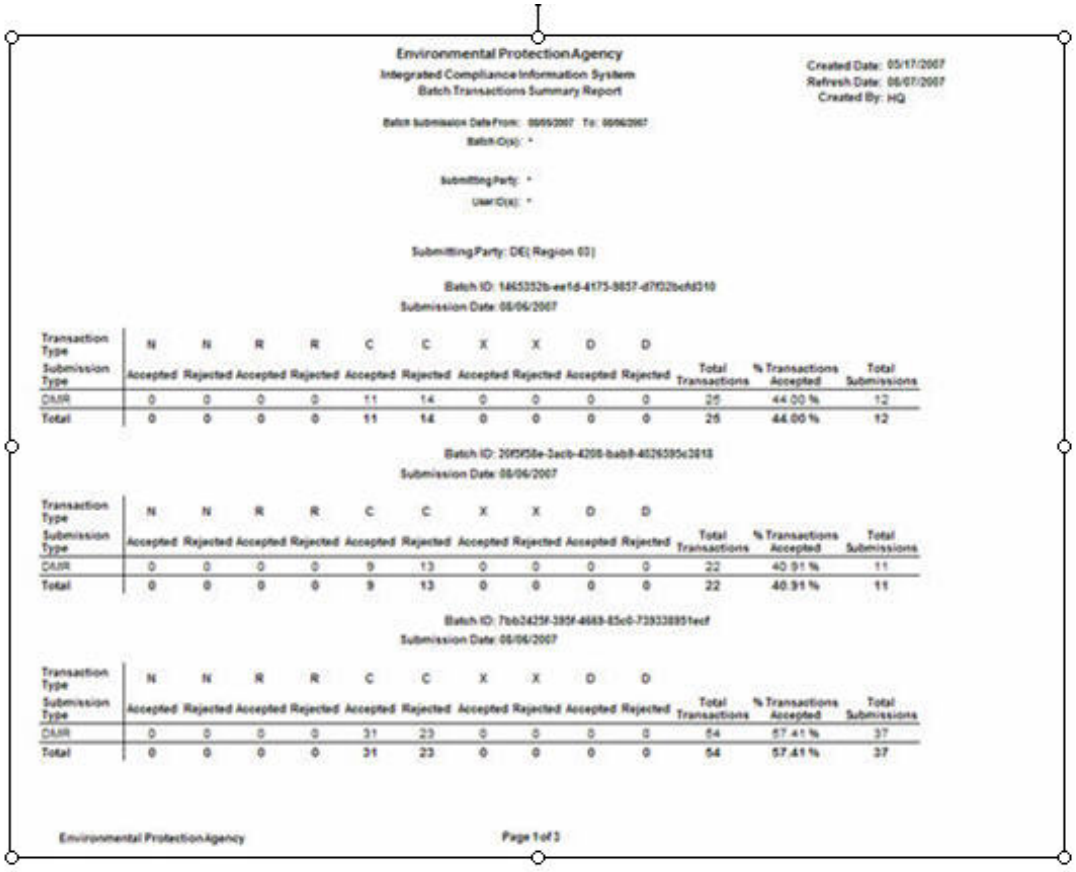
7.1.3 Batch Transactions Summary Report

The Batch Transactions Summary report can be viewed by running the Batch Audit Report and clicking on the Transactions Summary tab. It displays summary information about the numbers of accepted and rejected batch transactions presented in a table. The report contains a summary table for each batch as well as a summary table for all batches in the report.



Environmental Protection Agency
Integrated Compliance Information System
Batch Transactions Summary Report

Created Date: 05/17/2007
Refresh Date: 05/07/2007
Created By: HQ

Batch submission Date From: 05/05/2007 To: 05/06/2007
Batch ID(s): *
submitting Party: *
User ID(s): *

Submitting Party: DE(Region 03)

Batch ID: 1465332b-ee1d-4175-9857-d7f02bcfd310
Submission Date: 05/06/2007

Transaction Type	N	N	R	R	C	C	X	X	D	D			
Submission Type	Accepted	Rejected	Accepted	Rejected	Accepted	Rejected	Accepted	Rejected	Accepted	Rejected	Total Transactions	% Transactions Accepted	Total Submissions
DMR	0	0	0	0	11	14	0	0	0	0	25	44.00 %	12
Total	0	0	0	0	11	14	0	0	0	0	25	44.00 %	12

Batch ID: 20f5f58e-3acb-4208-bab8-4626595c2818
Submission Date: 05/06/2007

Transaction Type	N	N	R	R	C	C	X	X	D	D			
Submission Type	Accepted	Rejected	Accepted	Rejected	Accepted	Rejected	Accepted	Rejected	Accepted	Rejected	Total Transactions	% Transactions Accepted	Total Submissions
DMR	0	0	0	0	9	13	0	0	0	0	22	40.91 %	11
Total	0	0	0	0	9	13	0	0	0	0	22	40.91 %	11

Batch ID: 7bb2425f-385f-4649-85c0-73933895 1ecf
Submission Date: 05/06/2007

Transaction Type	N	N	R	R	C	C	X	X	D	D			
Submission Type	Accepted	Rejected	Accepted	Rejected	Accepted	Rejected	Accepted	Rejected	Accepted	Rejected	Total Transactions	% Transactions Accepted	Total Submissions
DMR	0	0	0	0	31	23	0	0	0	0	54	57.41 %	37
Total	0	0	0	0	31	23	0	0	0	0	54	57.41 %	37

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7.2 ICIS-NPDES FULL BATCH RESULTS

With the addition of Full Batch functionality to the ICIS system, ICIS will have the ability to return batch processing results to a submitting state electronically or allow a user to view the results within the ICIS application. For ICIS to detect how a submitting state wants to view their results, the presence or absence of the Property parent tag within the XML submission file's Header block is used to identify the source of the batch submission and therefore the appropriate response.

Hybrid DMR Batch users typically view their reports in ICIS by generating a Business Objects report. For these users the Property parent tag with a name/value pair of "Source" and "FullBatch" must be omitted from their XML submission file's Header block altogether. For information on the Business Objects results generated by Hybrid DMR Batch users refer to Section 7 of the ICIS-NPDES Schema User Guide.

Full Batch states have expressed a desire to receive processing results electronically. To do this, one Property parent tag needs to be present at the end of the header block of the submission XML file that contains the following data within its name/value pair tags:

```
<Header>
        …
        <Property>
                <name>Source</name>
                <value>FullBatch</value>
        </Property>
</Header>
```

When the Property tag is present and the name/value pair tags indicate that the source is FullBatch, ICIS will return the results of the batch transaction processing to CDX in both PDF and XML formats for a state to download. To ensure your results are returned in PDF format, be sure to always use only one Property tag with a name/value pair of "Source"/ "FullBatch" in all of your XML submission files.

Always include only one Property tag with a name/value pair of "Source"/"FullBatch" in each of your XML submission files to ensure you get your results back in PDF format!

One PDF file of a combined Batch Audit Report will be generated with tabs for the Accepted, Rejected, and Summary Transaction reports as shown in Section 7 of the ICIS-NPDES Schema User Guide. If an error occurred while attempting to process a submission XML, such as an invalid ICIS ID, one PDF will be generated with a message describing the error.

ICIS-NPDES will also generate up to four XML files contained within one zipped file. These files are:

1. a File Error XML Report (optional)
2. an Accepted Transactions XML Report
3. a Rejected Transactions XML Report
4. a Summary Transactions XML Report

Table 7-2 provides the Full Batch Response files generated by ICIS and the names to use when retrieving the files from CDX. Note that in this table, ***TransactionID*** is the CDX transaction ID for the submission, ***SubmittingParty*** is the ICIS ID in the header of the submission file and ***Timestamp*** is the date and time the submission was processed by ICIS.

File Generated by ICIS	Contents	Name of File as Posted at CDX
File Error Results XML	XML containing file level errors that	<***TransactionID***>_<***SubmissionDate***>_File_Error_Response.xml

File Generated by ICIS	Contents	Name of File as Posted at CDX
	prevented all records within the file from being processed, such as an invalid ICIS ID	
File Error Results PDF	PDF containing file level errors that prevented all records within the file from being processed, such as an invalid ICIS ID	<***TransactionID***>_<***SubmissionDate***>_File_Error_Response.pdf
Transactions Result PDF	PDF file containing the XMLs for accepted, rejected and transaction summary results	<***TransactionID***>_<***SubmittingParty***>_<***SubmissionDate***>_Response.pdf
Transactions Result ZIP	ZIP file containing the XMLs for accepted, rejected and transaction summary results (see below for their filenames)	<***TransactionID***>_<***SubmittingParty***>_<***SubmissionDate***>_Response.zip
Accepted Transaction Results XML	XML containing key values of records that were processed successfully by ICIS	<***TransactionID***>_<***SubmittingParty***>_<***SubmissionDate***>_Accepted_Response.xml
Rejected Transaction	XML containing	<***TransactionID***>_<***SubmittingParty***>_<***SubmissionDate***>_Rejected_Response.xml

File Generated by ICIS	Contents	Name of File as Posted at CDX
Results XML	key values and error message of records that were unable to be processed successfully by ICIS	
Transactions Summary Results XML	XML containing counts by transaction and data family along with percent success rate	<***TransactionID***>_<***SubmittingParty***>_<***SubmissionDate***>_Summary_Response.xml

Table 7-2. List of Files Generated by ICIS-NPDES for Full Batch States

The following sub-sections describe the File Error XML results, Accepted Transactions XML results, the Rejected Transactions XML results, and the Batch Transactions Summary XML results that are returned when a Full Batch submission is processed by ICIS.

7.2.1 File Error Results XML

Any errorsthat ICIS-NPDES encounters while attempting to process an XML will be displayed on the File Error Results XML Report. Errors of this nature typically occur when the <Id> contains an invalid ICIS ID and result in no records being processed for that file. Note that tags in bold are mandatory, tags in green may be repeated and tags in blue are mandatory only if their parent tag is present. Figure 7-2 shows an example of a File Error Results XML.

```
<?xml version="1.0" ?>
<SubmissionResponse xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.exchangenetwork.net/schema/icis/1">
   <TransactionIdentifier>_367c3076-0b4f-477f-87cc-89f0f9f8b4e1</TransactionIdentifier>
   <SubmissionDate>2010-09-21</SubmissionDate>
   <ProcessedDate>2010-09-21</ProcessedDate>
   <FileSubmissionErrors>
      <FileSubmissionError>
         <FileErrorReport>
            <ErrorTypeCode>Error</ErrorTypeCode>
            <ErrorDescription>Unable to parse file NetDMR.xml
because 'XXXXXXX' is an invalid ICIS user</ErrorDescription>
         </FileErrorReport>
         <FileErrorReport>
            <ErrorTypeCode>Error</ErrorTypeCode>
            <ErrorDescription>Batch parsing
failed</ErrorDescription>
         </FileErrorReport>
      </FileSubmissionError>
   </FileSubmissionErrors>
</SubmissionResponse>
```

Figure 7-2 – File Error Results XML With Two Transactions

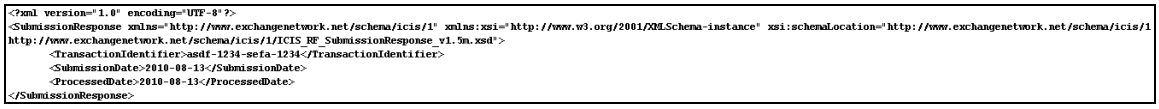
7.2.2 Accepted Transaction Results XML

The Accepted Transaction Results XML provides the transaction type and key data fields for each record that was processed by ICIS-NPDES batch. Any warning messages ICIS-NPDES recorded while processing a record will be displayed on the Accepted Transaction Results XML Report. The report is sorted in ascending order by the following groups: User ID, Submission Type, and then Key Values. Figure 7-3 shows an example of an Accepted Transaction Results XML where two records where successfully processed by ICIS. Note that tags in bold are mandatory, tags in green may be repeated and tags in blue are mandatory only if their parent tag is present.

```
<?xml version="1.0" encoding="UTF-8"?>
<SubmissionResponse xmlns="http://www.exchangenetwork.net/schema/icis/1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.exchangenetwork.net/schema/icis/1
http://www.exchangenetwork.net/schema/icis/1/ICIS_NF_SubmissionResponse_v1.5m.xsd">
    <TransactionIdentifier>asdf-1234-sefa-1234</TransactionIdentifier>
    <SubmissionDate>2010-08-13</SubmissionDate>
    <ProcessedDate>2010-08-13</ProcessedDate>
    <SubmittingParty>
        <UserID>ABC</UserID>
        <SubmissionType>
            <SubmissionTypeName>Basic Permit</SubmissionTypeName>
            <SubmissionsAccepted>
                <SubmissionAccepted>
                    <SubmissionAcceptedKey>
                        <PermitRecordIdentifier>
                            <PermitIdentifier>AA0709012</PermitIdentifier>
                        </PermitRecordIdentifier>
                        <SubmissionTransactionTypeCode>R</SubmissionTransactionTypeCode>
                    </SubmissionAcceptedKey>
                </SubmissionAccepted>
            </SubmissionsAccepted>
        </SubmissionType>
        <SubmissionType>
            <SubmissionTypeName>Discharge Monitoring Report</SubmissionTypeName>
            <SubmissionsAccepted>
                <SubmissionAccepted>
                    <SubmissionAcceptedKey>
                        <DMRParameterIdentifier>
                            <PermitIdentifier>AA0123456</PermitIdentifier>
                            <PermittedFeatureIdentifier>001</PermittedFeatureIdentifier>
                            <LimitSetDesignator>A</LimitSetDesignator>
                            <MonitoringPeriodEndDate>2010-07-31</MonitoringPeriodEndDate>
                            <ParameterCode>00400</ParameterCode>
                            <MonitoringSiteDescriptionCode>A</MonitoringSiteDescriptionCode>
                            <LimitSeasonNumber>1</LimitSeasonNumber>
                        </DMRParameterIdentifier>
                        <SubmissionTransactionTypeCode>R</SubmissionTransactionTypeCode>
                    </SubmissionAcceptedKey>
                    <AcceptedReport>
                        <InformationCode>DMR000</InformationCode>
                        <InformationTypeCode>Warning</InformationTypeCode>
                        <InformationDescription>Warning: The following Numeric Condition Quantity(ies) has a Percent Exceedence greater than 500%: column.this error message, value
column will be listed for each column that has this error.
</InformationDescription>
                    </AcceptedReport>
                </SubmissionAccepted>
            </SubmissionsAccepted>
        </SubmissionType>
    </SubmittingParty>
</SubmissionResponse>
```


Figure 7-3 - Accepted Transaction Results XML With Two Transactions

If no transactions were accepted, the Accepted Transaction Results XML returned by ICIS will only contain the SubmissionResponse, TransactionIdentifier, SubmissionDate and ProcessedDate tags as shown in Figure 7-4.



```
<?xml version="1.0" encoding="UTF-8"?>
<SubmissionResponse xmlns="http://www.exchangenetwork.net/schema/icis/1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.exchangenetwork.net/schema/icis/1
http://www.exchangenetwork.net/schema/icis/1/ICIS_NF_SubmissionResponse_v1.5m.xsd">
    <TransactionIdentifier>asdf-1234-sefa-1234</TransactionIdentifier>
    <SubmissionDate>2010-08-13</SubmissionDate>
    <ProcessedDate>2010-08-13</ProcessedDate>
</SubmissionResponse>
```


Figure 7-4 - Accepted Transaction Results XML When All Transactions Are Rejected

Table 7-3 lists the tags that are included in the Accepted Transaction Results XML and provides examples of data that may be included in the tag. The XML Tag Name column lists the tag and parent tag for each group of data sent to the user. Parent tags are listed in bold. The Characteristics column lists the type of data element and size or allowable contents. The

Example Value column lists a sample value for the data tag in the Accepted Transaction Results XML.

The first group of tags in the table contains global tags that are included in all Accepted Transaction Results XML. The next group of tags is User ID which is used to group all transactions submitted by the same User ID. Following the User ID is Submission Type which is used to group all transactions for the same Submission Type. All subsequent groups listed in the table are the tags that may be received if a particular transaction is accepted for the batch XML submission.

XML Tag Name		Characteristics	Example Value
Fields returned with each result XML document:			
<SubmissionResponse/>			
TransactionIdentifier (identifier returned to user from CDX after the batch submission)		1-40 characters long	asdf-1234-sefa-1234
SubmissionDate (date of XML Submission)		Date in yyyy-mm-dd format	2010-08-13
ProcessedDate (date the batch was processed)		Date in yyyy-mm-dd format	2010-08-13
Fields returned for each User ID submitted:			
<SubmittingParty/>			
UserID		3-30 characters long. This is the same as the ICIS ID provided in the XML submission file's <ID> tag.	ABC
Fields returned for each Submission Type submitted:			
<SubmissionType/>			

XML Tag Name		Characteristics	Example Value
SubmissionTypeName		1-50 characters long, where choices are: Basic Permit Biosolids Permit Biosolids Program Report CAFO Annual Report CAFO Permit Compliance Monitoring Linkage Compliance Monitoring Compliance Schedule CSO EventReport CSO Permit Discharge Monitoring Report DMR Program Report Linkage DMR Violation Effluent Trade Partner Enforcement Action Milestone Enforcement Action Violation Key Formal Enforcement Action General Permit Informal Enforcement Action Limit Set Limits Local Limits Program Report Master General Permit Narrative Condition Schedule Parameter Limits Permit Reissuance Permitted Feature Permit Tracking Event Pretreatment Permit Pretreatment Performance Summary Schedule Event Violation Single Event Violation SSO Annual Report SSO Event Report SSO Monthly Event Report POTW Permit SW Construction Permit SW Event Report SW Industrial Permit SW MS4 Large Permit SW MS4 Program Report SW MS4 Small Permit Unpermitted Facility	Basic Permit
Fields returned when a Basic Permit, General Permit Covered Facility, Master General Permit, Permit Component, Permit Reissuance or Unpermitted Facility transaction is accepted:			
<SubmissionAcceptedKey/>			
<PermitRecordIdentifier/>			
PermitIdentifier		9 characters long	AA00789012
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Discharge Monitoring Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<DischargeMonitoringReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001

XML Tag Name		Characteristics	Example Value
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Limit Set transaction is accepted:			
<SubmissionAcceptedKey/>			
<LimitSetIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Limit Segment transaction is accepted:			
<SubmissionAcceptedKey/>			
<LimitSegmentIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
ParameterCode		5 characters long	10350
MonitoringSiteDescriptionCode		1 character long	0
LimitSeasonNumber		Integer between 0 and 12	0
LimitStartDate		Date in yyyy-mm-dd format	2008-01-01
LimitEndDate		Date in yyyy-mm-dd format	2008-12-31
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	C
Fields returned when a Narrative Condition Schedule transaction is accepted:			
<SubmissionAcceptedKey/>			
<NarrativeConditionScheduleIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
NarrativeConditionNumber		3 characters long	002
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Parameter DMR transaction is accepted:			
<SubmissionAcceptedKey/>			
<DMRParameterIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters long	10350
MonitoringSiteDescriptionCode		1 character long	0
LimitSeasonNumber		Integer between 0 and 12	0

XML Tag Name		Characteristics	Example Value
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Parameter Limits transaction is accepted:			
<SubmissionAcceptedKey/>			
<ParameterLimitIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
ParameterCode		5 characters long	10350
MonitoringSiteDescriptionCode		1 character long	0
LimitSeasonNumber		Integer between 0 and 12	0
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Permit Tracking Event transaction is accepted:			
<SubmissionAcceptedKey/>			
<PermitTrackingEventIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermitTrackingEventCode		1-3 characters long	ABC
PermitTrackingEventDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Permitted Feature transaction is accepted:			
<SubmissionAcceptedKey/>			
<PermittedFeatureRecordIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a State Compliance Monitoring transaction is accepted:			
<SubmissionAcceptedKey/>			
<PermitRecordIdentifier/>			
PermitIdentifier		9 characters long	AA00789012
ComplianceMonitoringCategoryCode		1-3 characters long	COM
ComplilanceMonitoringDate		Date in yyyy-mm-dd format	2011-06-07
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Federal Compliance Monitoring transaction is accepted:			
<SubmissionAcceptedKey/>			
<PermitRecordIdentifier/>			
ProgramSystemAcronym		1-20 Characters long	NPDES
ProgramSystemIdentifier		9 characters long	AA00789012
FederalStatuteCode		1-6 characters long	CWA
ComplianceMonitoringActivityTypeCode		1-3 characters long	INF
ComplianceMonitoringCategoryCode		1-3 characters long	COM

XML Tag Name		Characteristics	Example Value
ComplilanceMonitoringDate		Date in yyyy-mm-dd format	2011-06-07
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Biosolids Program Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<BiosolidsProgramReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
ReportCoverageEndDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a CAFO Program Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<CAFOAnnualProgramReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittingAuthorityReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a CSO Event Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<CSOEventReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
CSOEventDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Local Limits Program Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<LocalLimitsProgramReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
LocalLimitsPermittingAuthorityReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Pretreatment Performance Summary Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<PretreatmentPerformanceSummaryIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PretreatmentPerformanceSummaryEndDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a SSO Annual Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<SSOAnnualReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456

XML Tag Name		Characteristics	Example Value
SSOAnnualReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a SSO Event Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<SSOEventReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
SSOEventDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a SSO Monthly Event Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<SSOMonthlyEventReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
SSOMonthlyReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Storm Water Event Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<SWEventReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
DateStormEventSampled		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Storm Water MS4 Program Report transaction is accepted:			
<SubmissionAcceptedKey/>			
<SWMS4ProgramReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
StormWaterMS4ReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a DMR Program Report Linkage transaction is accepted:			
<SubmissionAcceptedKey/>			
<DMRProgramReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
<LinkageBiosolidsReport>			
PermitIdentifier		9 characters long	AA0123456
ReportCoverageEndDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageSWEventReport>			
PermitIdentifier		9 characters long	AA0123456
DateStormEventSampled		Date in yyyy-mm-dd format	2008-01-01

XML Tag Name		Characteristics	Example Value
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a DMR Violation transaction is accepted:			
<SubmissionAcceptedKey/>			
<DMRViolationIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters	50050
MonitoringSiteDescriptionCode		1-3 characters long	1
LimitSeasonNumber		Number between 0 and 12	0
NumericReportCode		Q1, Q2, C1, C2 or C3	Q1
NumericReportViolationCode		D or E	D
SubmissionTransactionTypeCode		1 character long, where C = Change	C
Fields returned when an Effluent Trade Partner transaction is accepted:			
<SubmissionAcceptedKey/>			
<EffluentTradePartnerIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters	50050
MonitoringSiteDescriptionCode		1-3 characters long	1
LimitSeasonNumber		Number between 0 and 12	0
LimitStartDate		Date in yyyy-mm-dd format	2010-07-31
LimitEndDate		Date in yyyy-mm-dd format	2010-07-31
LimitModificationEffectiveDate		Date in yyyy-mm-dd format	2010-07-31
TradeID		1-30 characters long	WY15
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when an Enforcement Action Milestone transaction is accepted:			
<SubmissionAcceptedKey/>			
<EffluentTradePartnerIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
MilestoneTypeCode		1-5 characters long	CPOA
SubmissionTransactionTypeCode		1 character long, where R = Replace	R
Fields returned when an Enforcement Action Violation Linkage transaction is accepted:			
<SubmissionAcceptedKey/>			
<EnforcementActionViolationLinkageIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
<DischargeMonitoringReportViolation>			

XML Tag Name		Characteristics	Example Value
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
<DischargeMonitoringReportParameterViolation>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters	50050
MonitoringSiteDescriptionCode		1-3 characters long	1
LimitSeasonNumber		Number between 0 and 12	0
<ComplianceScheduleViolation>			
PermitIdentifier		9 characters long	AA0123456
ComplianceScheduleNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
<PermitScheduleViolation>			
PermitIdentifier		9 characters long	AA0123456
NarrativeConditionNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
<SingleEventViolation>			
PermitIdentifier		9 characters long	AA0123456
SingleEventViolationCode		5 charactes long	AO016
SingleEventViolationDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Final Order Violation Linkage transaction is accepted:			
<SubmissionAcceptedKey/>			
<EnforcementActionViolationLinkageIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
FinalOrderIdentifier		Number between 0 and 99999	0
<DischargeMonitoringReportViolation>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R

XML Tag Name		Characteristics	Example Value
<DischargeMonitoringReportParameterViolation>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters	50050
MonitoringSiteDescriptionCode		1-3 characters long	1
LimitSeasonNumber		Number between 0 and 12	0
<ComplianceScheduleViolation>			
EnforcementActionIdentifier		1-20 characters long	AA-012356789
FinalOrderIdentifier		Number between 0 and 999	0
PermitIdentifier		9 characters long	AA0123456
ComplianceScheduleNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
ScheduleViolationCode		1-3 characters long	C40
<PermitScheduleViolation>			
PermitIdentifier		9 characters long	AA0123456
NarrativeConditionNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
ScheduleViolationCode		1-3 characters long	C40
<SingleEventViolation>			
PermitIdentifier		9 characters long	AA0123456
SingleEventViolationCode		5 charactes long	AO016
SingleEventViolationDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Discharge Monitoring Report Violation transaction is accepted:			
<SubmissionAcceptedKey/>			
<DMRViolationIndentifier>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters	50050
MonitoringSiteDescriptionCode		1-3 characters long	1
LimitSeasonNumber		Number between 0 and 12	0
NumericReportCode		Q1, Q2, C1, C2 or C3	Q1
NumericReportViolationCode		D or E	E
SubmissionTransactionTypeCode		1 character long, where C = Change	C

XML Tag Name		Characteristics	Example Value
Fields returned when a Compliance Schedule Violation transaction is accepted:			
<SubmissionAcceptedKey/>			
<ScheduleEventViolationIdentifier>			
EnforcementActionIdentifier		1-20 characters long	AA-012356789
FinalOrderIdentifier		Number between 0 and 999	0
PermitIdentifier		9 characters long	AA0123456
ComplianceScheduleNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
ScheduleViolationCode		1-3 characters long	C40
SubmissionTransactionTypeCode		1 character long, where C = Change	C
Fields returned when a Permit Schedule Violation transaction is accepted:			
<SubmissionAcceptedKey/>			
<ScheduleEventViolationIdentifier>			
PermitIdentifier		9 characters long	AA0123456
NarrativeConditionNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
ScheduleViolationCode		1-3 characters long	C40
SubmissionTransactionTypeCode		1 character long, where C = Change	C
Fields returned when a Single Event Violation transaction is accepted:			
<SubmissionAcceptedKey/>			
<SingleEventViolationIdentifier>			
PermitIdentifier		9 characters long	AA0123456
SingleEventViolationCode		5 charactes long	AO016
SingleEventViolationDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, X = Mass Delete	R
Fields returned when a Compliance Schedule transaction is accepted:			
<SubmissionAcceptedKey/>			
<ComplianceScheduleIdentifier>			
EnforcementActionIdentifier		1-20 characters long	AA-012356789
FinalOrderIdentifier		Number between 0 and 999	0
PermitIdentifier		9 characters long	AA0123456
ComplianceScheduleNumber		Number between 1 and 999	1
SubmissionTransactionTypeCode		1 character long, where C = Change	C
Fields returned when an Informal Enforcement Action transaction is accepted:			
<SubmissionAcceptedKey/>			
<InformalEnforcementActionIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, X = Mass Delete	R

XML Tag Name		Characteristics	Example Value
Fields returned when a Formal Enforcement Action transaction is accepted:			
<SubmissionAcceptedKey/>			
<FormalEnforcementActionIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, X = Mass Delete	R
Fields returned when a Final Order transaction is accepted:			
<SubmissionAcceptedKey/>			
<FinalOrderIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
FinalOrderIdentifier		Number between 0 and 99999	0
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, X = Mass Delete	R
Fields returned when a ComplianceMonitoringLinkage transaction is accepted:			
<SubmissionAcceptedKey/>			
<ComplianceMonitoringLinkageIdentifier/>			
PermitIdentifier		9 characters long	AA00789012
ComplianceMonitoringCategoryCode		1-3 characters long	COM
ComplilanceMonitoringDate		Date in yyyy-mm-dd format	2011-06-07
<LinkageSingleEvent>			
PermitIdentifier		9 characters long	AA0123456
SingleEventViolationCode		5 charactes long	AO016
SingleEventViolationDate		Date in yyyy-mm-dd format	2010-07-31
<LinkageEnforcementAction>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
<LinkageBiosolidsReport>			
PermitIdentifier		9 characters long	AA0123456
ReportCoverageEndDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageCAFOAnnualReport>			
PermitIdentifier		9 characters long	AA0123456
PermittingAuthorityReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageCSOEventReport>			
PermitIdentifier		9 characters long	AA0123456
CSOEventDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageLocalLimitsReport>			
PermitIdentifier		9 characters long	AA0123456
LocalLimitsPermittingAuthorityReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
<LinkagePretreatmentPerformanceReport>			
PermitIdentifier		9 characters long	AA0123456

XML Tag Name		Characteristics	Example Value
PretreatmentPerformanceSummaryEndDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageSSOAnnualReport>			
PermitIdentifier		9 characters long	AA0123456
SSOAnnualReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
< LinkageSSOEventReport>			
PermitIdentifier		9 characters long	AA0123456
SSOEventDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageSSOMonthlyEventReport			
PermitIdentifier		9 characters long	AA0123456
SSOMonthlyReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageSWEventReport>			
PermitIdentifier		9 characters long	AA0123456
DateStormEventSampled		Date in yyyy-mm-dd format	2008-01-01
<LinkageSWMS4Report>			
PermitIdentifier		9 characters long	AA0123456
StormWaterMS4ReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageStateComplianceMonitoring/>			
PermitIdentifier		9 characters long	AA00789012
ComplianceMonitoringCategoryCode		1-3 characters long	COM
ComplilanceMonitoringDate		Date in yyyy-mm-dd format	2011-06-07
<LinkageFederalComplianceMonitoring/>			
ProgramSystemAcronym		1-20 Characters long	NPDES
ProgramSystemIdentifier		9 characters long	AA00789012
FederalStatuteCode		1-6 characters long	CWA
ComplianceMonitoringActivityTypeCode		1-3 characters long	INF
ComplianceMonitoringCategoryCode		1-3 characters long	COM
ComplilanceMonitoringDate		Date in yyyy-mm-dd format	2011-06-07
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a warning exists for a transaction:			
<AcceptedReport/>			
InformationCode		5-6 characters long	DMR300
InformationTypeCode		“Information” or “Warning”	Warning
InformationDescription		1-4000 characters long	Warning: The following Numeric Condition Quantity(ies) has a Percent Exceedence greater than 500%.

Table 7-3 - XML Tags Contained in the Accepted Transaction Results XML

7.2.3 Rejected Transaction Resuilts XML

The Rejected Transaction Results XML provides the transaction type and key data fields for each record that was processed by ICIS batch. All error messages ICIS Batch recorded while processing a record will be displayed on the Rejected Transaction Results XML Report. The report is sorted in ascending order by the following groups: User ID, Submission Type, and then Key Values. Figure 7-5 shows an example of a Rejected Transaction Results XML with two transactions having errors. Note that tags in bold are mandatory, tags in green may be repeated and tags in blue are mandatory only if their parent tag is present.

```
<?xml version="1.0" encoding="UTF-8"?>
<SubmissionResponse xmlns="http://www.exchangenetwork.net/schema/icis/1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.exchangenetwork.net/schema/icis/1
http://www.exchangenetwork.net/schema/icis/1/ICIS_NF_SubmissionResponse_v1.5m.xsd">
      <TransactionIdentifier>asdf-1234-sefa-1234</TransactionIdentifier>
      <SubmissionDate>2010-08-13</SubmissionDate>
      <ProcessedDate>2010-08-13</ProcessedDate>
      <SubmittingParty>
            <UserID>ABC</UserID>
            <SubmissionType>
                  <SubmissionTypeName>Basic Permit</SubmissionTypeName>
                  <SubmissionErrors>
                        <SubmissionError>
                              <SubmissionErrorKey>
                                    <PermitRecordIdentifier>
                                          <PermitIdentifier>AA0709012</PermitIdentifier>
                                    </PermitRecordIdentifier>
                                    <SubmissionTransactionTypeCode>RC</SubmissionTransactionTypeCode>
                              </SubmissionErrorKey>
                              <ErrorReport>
                                    <ErrorCode>BP170</ErrorCode>
                                    <ErrorTypeCode>Error</ErrorTypeCode>
                                    <ErrorDescription>Receiving Permit Identifier must be entered because Permit Type Code is IIU.</ErrorDescription>
                              </ErrorReport>
                        </SubmissionError>
                  </SubmissionErrors>
            </SubmissionType>
            <SubmissionType>
                  <SubmissionTypeName>Permit Tracking Event</SubmissionTypeName>
                  <SubmissionErrors>
                        <SubmissionError>
                              <SubmissionErrorKey>
                                    <PermitTrackingEventIdentifier>
                                          <PermitIdentifier>AA0709012</PermitIdentifier>
                                          <PermitTrackingEventCode>AAA</PermitTrackingEventCode>
                                          <PermitTrackingEventDate>2010-01-01</PermitTrackingEventDate>
                                    </PermitTrackingEventIdentifier>
                                    <SubmissionTransactionTypeCode>RC</SubmissionTransactionTypeCode>
                              </SubmissionErrorKey>
                              <ErrorReport>
                                    <ErrorCode>BP170</ErrorCode>
                                    <ErrorTypeCode>Error</ErrorTypeCode>
                                    <ErrorDescription>Test message.</ErrorDescription>
                              </ErrorReport>
                        </SubmissionError>
                  </SubmissionErrors>
            </SubmissionType>
      </SubmittingParty>
</SubmissionResponse>
```

Figure 7-5 - Rejected Transaction Results XML with Two Transactions

If no transactions were rejected, the Rejected Transaction Results XML returned by ICIS will only contain the SubmissionResponse, TransactionIdentifier, SubmissionDate and ProcessedDate tags as shown in Figure 7-6.

```
<?xml version="1.0" encoding="UTF-8"?>
<SubmissionResponse xmlns="http://www.exchangenetwork.net/schema/icis/1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.exchangenetwork.net/schema/icis/1
http://www.exchangenetwork.net/schema/icis/1/ICIS_NF_SubmissionResponse_v1.5m.xsd">
      <TransactionIdentifier>asdf-1234-sefa-1234</TransactionIdentifier>
      <SubmissionDate>2010-08-13</SubmissionDate>
      <ProcessedDate>2010-08-13</ProcessedDate>
</SubmissionResponse>
```

Figure 7-6 - Rejected Transaction Results XML When All Transactions Are Accepted

Table 7-4 lists the tags that are included in the Rejected Transaction Results XML and provides examples of data that may be included in the tag. The XML Tag Name column lists the tag and parent tag for each group of data sent to the user. Parent tags are listed in bold. The Characteristics column lists the type of data element and size or allowable contents. The Example Value column lists a sample value for the data tag in the Rejected Transaction Results XML.

The first group of tags in the table contains global tags that are included in all Rejected Transaction Results XML. The next group of tags is User ID which is used to group all transactions submitted by the same User ID. Following User ID is Submission Type which is used to group all transactions for the same Submission Type. All subsequent groups listed in the table are the tags that are displayed when a particular transaction was rejected for the batch XML submission.

XML Tag Name		Characteristics	Example Value
Fields returned with each result XML document:			
<SubmissionResponse/>			
TransactionIdentifier (identifier returned to user from CDX after the batch submission)		1-40 characters long	asdf-1234-sefa-1234
SubmissionDate (date of XML Submission)		Date in yyyy-mm-dd format	2010-08-13
ProcessedDate (date the batch was processed)		Date in yyyy-mm-dd format	2010-08-13
Fields returned for each User ID submitted:			
<SubmittingParty/>			
UserID		3-30 characters long. This is the same as the ICIS ID provided in the XML submission file's <ID> tag.	ABC
Fields returned for each Submission Type submitted:			
<SubmissionType/>			

XML Tag Name		Characteristics	Example Value
SubmissionTypeName		1-50 characters long, where choices are: Basic Permit Biosolids Permit Biosolids Program Report CAFO Annual Report CAFO Permit Compliance Monitoring Linkage Compliance Monitoring Compliance Schedule CSO EventReport CSO Permit Discharge Monitoring Report DMR Program Report Linkage DMR Violation Effluent Trade Partner Enforcement Action Milestone Enforcement Action Violation Key Formal Enforcement Action General Permit Informal Enforcement Action Limit Set Limits Local Limits Program Report Master General Permit Narrative Condition Schedule Parameter Limits Permit Reissuance Permitted Feature Permit Tracking Event Pretreatment Permit Pretreatment Performance Summary Schedule Event Violation Single Event Violation SSO Annual Report SSO Event Report SSO Monthly Event Report POTW Permit SW Construction Permit SW Event Report SW Industrial Permit SW MS4 Large Permit SW MS4 Program Report SW MS4 Small Permit Unpermitted Facility	Basic Permit
Fields returned when a Basic Permit, General Permit Covered Facility, Master General Permit, Permit Component, Permit Reissuance or Unpermitted Facility transaction is rejected:			
<SubmissionErrorKey/>			
<PermitRecordIdentifier/>			
PermitIdentifier		9 characters long	AA00789012
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Discharge Monitoring Report transaction is rejected:			
<SubmissionErrorKey/>			
<DischargeMonitoringReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001

XML Tag Name		Characteristics	Example Value
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Limit Set transaction is rejected:			
<SubmissionErrorKey/>			
<LimitSetIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Limit Segment transaction is rejected:			
<SubmissionErrorKey/>			
<LimitSegmentIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
ParameterCode		5 characters long	10350
MonitoringSiteDescriptionCode		1 character long	0
LimitSeasonNumber		Integer between 0 and 12	0
LimitStartDate		Date in yyyy-mm-dd format	2008-01-01
LimitEndDate		Date in yyyy-mm-dd format	2008-12-31
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	C
Fields returned when a Narrative Condition Schedule transaction is rejected:			
< SubmissionErrorKey/>			
<NarrativeConditionScheduleIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
NarrativeConditionNumber		3 characters long	002
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Parameter DMR transaction is rejected:			
< SubmissionErrorKey/>			
<DischargeMonitoringReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters long	10350
MonitoringSiteDescriptionCode		1 character long	0
LimitSeasonNumber		Integer between 0 and 12	0

XML Tag Name		Characteristics	Example Value
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Parameter Limits transaction is rejected:			
< SubmissionErrorKey/>			
<ParameterLimitIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
ParameterCode		5 characters long	10350
MonitoringSiteDescriptionCode		1 character long	0
LimitSeasonNumber		Integer between 0 and 12	0
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Permit Tracking Event transaction is rejected:			
< SubmissionErrorKey/>			
<PermitTrackingEventIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermitTrackingEventCode		1-3 characters long	ABC
PermitTrackingEventDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Permitted Feature transaction is rejected:			
< SubmissionErrorKey/>			
<PermittedFeatureRecordIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a State Compliance Monitoring transaction is rejected:			
<SubmissionErrorKey/>			
<PermitRecordIdentifier/>			
PermitIdentifier		9 characters long	AA00789012
ComplianceMonitoringCategoryCode		1-3 characters long	COM
ComplilanceMonitoringDate		Date in yyyy-mm-dd format	2011-06-07
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Federal Compliance Monitoring transaction is rejected:			
<SubmissionErrorKey/>			
<PermitRecordIdentifier/>			
ProgramSystemAcronym		1-20 Characters long	NPDES
ProgramSystemIdentifier		9 characters long	AA00789012
FederalStatuteCode		1-6 characters long	CWA
ComplianceMonitoringActivityTypeCode		1-3 characters long	INF
ComplianceMonitoringCategoryCode		1-3 characters long	COM

XML Tag Name		Characteristics	Example Value
ComplilanceMonitoringDate		Date in yyyy-mm-dd format	2011-06-07
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when a Biosolids Program Report transaction is accepted:			
<SubmissionErrorKey/>			
<BiosolidsProgramReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
ReportCoverageEndDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a CAFO Program Report transaction is accepted:			
<SubmissionErrorKey/>			
<CAFOAnnualProgramReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittingAuthorityReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a CSO Event Report transaction is accepted:			
<SubmissionErrorKey/>			
<CSOEventReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
CSOEventDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Local Limits Program Report transaction is accepted:			
<SubmissionErrorKey/>			
<LocalLimitsProgramReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
LocalLimitsPermittingAuthorityReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Pretreatment Performance Summary Report transaction is accepted:			
<SubmissionErrorKey/>			
<PretreatmentPerformanceSummaryIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PretreatmentPerformanceSummaryEndDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a SSO Annual Report transaction is accepted:			
<SubmissionErrorKey/>			
<SSOAnnualReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456

XML Tag Name		Characteristics	Example Value
SSOAnnualReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a SSO Event Report transaction is accepted:			
<SubmissionErrorKey/>			
<SSOEventReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
SSOEventDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a SSO Monthly Event Report transaction is accepted:			
<SubmissionErrorKey/>			
<SSOMonthlyEventReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
SSOMonthlyReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Storm Water Event Report transaction is accepted:			
<SubmissionErrorKey/>			
<SWEventReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
DateStormEventSampled		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Storm Water MS4 Program Report transaction is accepted:			
<SubmissionErrorKey/>			
<SWMS4ProgramReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
StormWaterMS4ReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a DMR Program Report Linkage transaction is accepted:			
<SubmissionErrorKey/>			
<DMRProgramReportIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
<LinkageBiosolidsReport>			
PermitIdentifier		9 characters long	AA0123456
ReportCoverageEndDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageSWEventReport>			
PermitIdentifier		9 characters long	AA0123456
DateStormEventSampled		Date in yyyy-mm-dd format	2008-01-01

XML Tag Name		Characteristics	Example Value
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a DMR Violation transaction is accepted:			
<SubmissionErrorKey/>			
<DMRViolationIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters	50050
MonitoringSiteDescriptionCode		1-3 characters long	1
LimitSeasonNumber		Number between 0 and 12	0
NumericReportCode		Q1, Q2, C1, C2 or C3	Q1
NumericReportViolationCode		D or E	D
SubmissionTransactionTypeCode		1 character long, where C = Change	C
Fields returned when an Effluent Trade Partner transaction is accepted:			
<SubmissionErrorKey/>			
<EffluentTradePartnerIdentifier/>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters	50050
MonitoringSiteDescriptionCode		1-3 characters long	1
LimitSeasonNumber		Number between 0 and 12	0
LimitStartDate		Date in yyyy-mm-dd format	2010-07-31
LimitEndDate		Date in yyyy-mm-dd format	2010-07-31
LimitModificationEffectiveDate		Date in yyyy-mm-dd format	2010-07-31
TradeID		1-30 characters long	WY15
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
Fields returned when an Enforcement Action Milestone transaction is accepted:			
<SubmissionErrorKey/>			
<EffluentTradePartnerIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
MilestoneTypeCode		1-5 characters long	CPOA
SubmissionTransactionTypeCode		1 character long, where R = Replace	R
Fields returned when an Enforcement Action Violation Linkage transaction is accepted:			
<SubmissionErrorKey/>			
<EnforcementActionViolationLinkageIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
<DischargeMonitoringReportViolation>			

XML Tag Name		Characteristics	Example Value
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
<DischargeMonitoringReportParameterViolation>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters	50050
MonitoringSiteDescriptionCode		1-3 characters long	1
LimitSeasonNumber		Number between 0 and 12	0
<ComplianceScheduleViolation>			
PermitIdentifier		9 characters long	AA0123456
ComplianceScheduleNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
<PermitScheduleViolation>			
PermitIdentifier		9 characters long	AA0123456
NarrativeConditionNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
<SingleEventViolation>			
PermitIdentifier		9 characters long	AA0123456
SingleEventViolationCode		5 charactes long	AO016
SingleEventViolationDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Final Order Violation Linkage transaction is accepted:			
<SubmissionErrorKey/>			
<EnforcementActionViolationLinkageIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
FinalOrderIdentifier		Number between 0 and 99999	0
<DischargeMonitoringReportViolation>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R

XML Tag Name		Characteristics	Example Value
<DischargeMonitoringReportParameterViolation>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters	50050
MonitoringSiteDescriptionCode		1-3 characters long	1
LimitSeasonNumber		Number between 0 and 12	0
<ComplianceScheduleViolation>			
EnforcementActionIdentifier		1-20 characters long	AA-012356789
FinalOrderIdentifier		Number between 0 and 999	0
PermitIdentifier		9 characters long	AA0123456
ComplianceScheduleNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
ScheduleViolationCode		1-3 characters long	C40
<PermitScheduleViolation>			
PermitIdentifier		9 characters long	AA0123456
NarrativeConditionNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
ScheduleViolationCode		1-3 characters long	C40
<SingleEventViolation>			
PermitIdentifier		9 characters long	AA0123456
SingleEventViolationCode		5 charactes long	AO016
SingleEventViolationDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when a Discharge Monitoring Report Violation transaction is accepted:			
<SubmissionErrorKey/>			
<DMRViolationIndentifier>			
PermitIdentifier		9 characters long	AA0123456
PermittedFeatureIdentifier		3-4 characters long	001
LimitSetDesignator		1-2 characters long	A
MonitoringPeriodEndDate		Date in yyyy-mm-dd format	2010-07-31
ParameterCode		5 characters	50050
MonitoringSiteDescriptionCode		1-3 characters long	1
LimitSeasonNumber		Number between 0 and 12	0
NumericReportCode		Q1, Q2, C1, C2 or C3	Q1
NumericReportViolationCode		D or E	E
SubmissionTransactionTypeCode		1 character long, where C = Change	C

XML Tag Name		Characteristics	Example Value
Fields returned when a Compliance Schedule Violation transaction is accepted:			
<SubmissionErrorKey/>			
<ScheduleEventViolationIdentifier>			
EnforcementActionIdentifier		1-20 characters long	AA-012356789
FinalOrderIdentifier		Number between 0 and 999	0
PermitIdentifier		9 characters long	AA0123456
ComplianceScheduleNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
ScheduleViolationCode		1-3 characters long	C40
SubmissionTransactionTypeCode		1 character long, where C = Change	C
Fields returned when a Permit Schedule Violation transaction is accepted:			
<SubmissionErrorKey/>			
<ScheduleEventViolationIdentifier>			
PermitIdentifier		9 characters long	AA0123456
NarrativeConditionNumber		Number between 1 and 999	1
ScheduleEventCode		5 characters long	CS016
ScheduleDate		Date in yyyy-mm-dd format	2010-07-31
ScheduleViolationCode		1-3 characters long	C40
SubmissionTransactionTypeCode		1 character long, where C = Change	C
Fields returned when a Single Event Violation transaction is accepted:			
<SubmissionErrorKey/>			
<SingleEventViolationIdentifier>			
PermitIdentifier		9 characters long	AA0123456
SingleEventViolationCode		5 charactes long	AO016
SingleEventViolationDate		Date in yyyy-mm-dd format	2010-07-31
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, X = Mass Delete	R
Fields returned when a Compliance Schedule transaction is accepted:			
<SubmissionErrorKey/>			
<ComplianceScheduleIdentifier>			
EnforcementActionIdentifier		1-20 characters long	AA-012356789
FinalOrderIdentifier		Number between 0 and 999	0
PermitIdentifier		9 characters long	AA0123456
ComplianceScheduleNumber		Number between 1 and 999	1
SubmissionTransactionTypeCode		1 character long, where C = Change	C
Fields returned when an Informal Enforcement Action transaction is accepted:			
<SubmissionErrorKey/>			
<InformalEnforcementActionIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, X = Mass Delete	R

XML Tag Name		Characteristics	Example Value
Fields returned when a Formal Enforcement Action transaction is accepted:			
<SubmissionErrorKey/>			
<FormalEnforcementActionIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, X = Mass Delete	R
Fields returned when a Final Order transaction is accepted:			
<SubmissionErrorKey/>			
<FinalOrderIdentifier/>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
FinalOrderIdentifier		Number between 0 and 99999	0
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, X = Mass Delete	R
Fields returned when a ComplianceMonitoringLinkage transaction is accepted:			
<SubmissionErrorKey/>			
<ComplianceMonitoringLinkageIdentifier/>			
PermitIdentifier		9 characters long	AA00789012
ComplianceMonitoringCategoryCode		1-3 characters long	COM
ComplilanceMonitoringDate		Date in yyyy-mm-dd format	2011-06-07
<LinkageSingleEvent>			
PermitIdentifier		9 characters long	AA0123456
SingleEventViolationCode		5 charactes long	AO016
SingleEventViolationDate		Date in yyyy-mm-dd format	2010-07-31
<LinkageEnforcementAction>			
EnforcementActionIdentifier		1-20 characters long	AA-0123456789
<LinkageBiosolidsReport>			
PermitIdentifier		9 characters long	AA0123456
ReportCoverageEndDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageCAFOAnnualReport>			
PermitIdentifier		9 characters long	AA0123456
PermittingAuthorityReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageCSOEventReport>			
PermitIdentifier		9 characters long	AA0123456
CSOEventDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageLocalLimitsReport>			
PermitIdentifier		9 characters long	AA0123456
LocalLimitsPermittingAuthorityReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
<LinkagePretreatmentPerformanceReport>			
PermitIdentifier		9 characters long	AA0123456

XML Tag Name		Characteristics	Example Value
PretreatmentPerformanceSummaryEndDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageSSOAnnualReport>			
PermitIdentifier		9 characters long	AA0123456
SSOAnnualReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
< LinkageSSOEventReport>			
PermitIdentifier		9 characters long	AA0123456
SSOEventDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageSSOMonthlyEventReport			
PermitIdentifier		9 characters long	AA0123456
SSOMonthlyReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageSWEventReport>			
PermitIdentifier		9 characters long	AA0123456
DateStormEventSampled		Date in yyyy-mm-dd format	2008-01-01
<LinkageSWMS4Report>			
PermitIdentifier		9 characters long	AA0123456
StormWaterMS4ReportReceivedDate		Date in yyyy-mm-dd format	2008-01-01
<LinkageStateComplianceMonitoring/>			
PermitIdentifier		9 characters long	AA00789012
ComplianceMonitoringCategoryCode		1-3 characters long	COM
ComplilanceMonitoringDate		Date in yyyy-mm-dd format	2011-06-07
<LinkageFederalComplianceMonitoring/>			
ProgramSystemAcronym		1-20 Characters long	NPDES
ProgramSystemIdentifier		9 characters long	AA00789012
FederalStatuteCode		1-6 characters long	CWA
ComplianceMonitoringActivityTypeCode		1-3 characters long	INF
ComplianceMonitoringCategoryCode		1-3 characters long	COM
ComplilanceMonitoringDate		Date in yyyy-mm-dd format	2011-06-07
SubmissionTransactionTypeCode		1 character long, where R = Replace, X = Mass Delete	R
Fields returned when An error exists for a transaction:			
<ErrorReport/>			
ErrorCode		5-6 characters long	BP170
ErrorTypeCode		"Error"	Error
ErrorDescription		1-4000 characters long	Receiving Permit Identifier must be entered because Permit Type Code is IIU.

Table 7-4 - XML Tags Contained in the Rejected Transaction Results XML

7.2.4 Transaction Summary Results XML

The Transaction Summary Results XML provides information about all transactions that were submitted in the batch. The report is sorted in the following order: User ID and then Submission Type. The Transaction Summary Report provides the total number of transactions accepted, total number of transactions rejected, and the percentage of transactions accepted at the submission level. At the batch level, the Transaction Summary Report provides the total number of submissions and the total percentage of transactions accepted for the entire batch. Figure 7-7 shows an example of a Transaction Summary Results XML. Note that tags in bold are mandatory, tags in green may be repeated and tags in blue are mandatory only if their parent tag is present.

```
<?xml version="1.0" encoding="UTF-8"?>
<SubmissionResponse xmlns="http://www.exchangenetwork.net/schema/icis/1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.exchangenetwork.net/schema/icis/1
http://www.exchangenetwork.net/schema/icis/1/ICIS_NF_SubmissionResponse_v1.5m.xsd">
      <TransactionIdentifier>asdf-1234-sefa-1234</TransactionIdentifier>
      <SubmissionDate>2010-08-13</SubmissionDate>
      <ProcessedDate>2010-08-13</ProcessedDate>
      <SubmittingParty>
            <UserID>ABC</UserID>
            <SubmissionType>
                  <SubmissionTypeName>Basic Permit</SubmissionTypeName>
                  <SubmissionSummary>
                        <TransactionTypeTotals>
                              <SubmissionTransactionTypeCode>N</SubmissionTransactionTypeCode>
                              <TotalAcceptedTransactions>1</TotalAcceptedTransactions>
                              <TotalRejectedTransactions>1</TotalRejectedTransactions>
                        </TransactionTypeTotals>
                        <TransactionTypeTotals>
                              <SubmissionTransactionTypeCode>C</SubmissionTransactionTypeCode>
                              <TotalAcceptedTransactions>2</TotalAcceptedTransactions>
                              <TotalRejectedTransactions>2</TotalRejectedTransactions>
                        </TransactionTypeTotals>
                        <TotalTransactions>6</TotalTransactions>
                        <PercentTransactionsAccepted>50.00</PercentTransactionsAccepted>
                        <TotalSubmissions>6</TotalSubmissions>
                  </SubmissionSummary>
            </SubmissionType>
            <SubmissionType>
                  <SubmissionTypeName>Master General Permit</SubmissionTypeName>
                  <SubmissionSummary>
                        <TransactionTypeTotals>
                              <SubmissionTransactionTypeCode>N</SubmissionTransactionTypeCode>
                              <TotalAcceptedTransactions>1</TotalAcceptedTransactions>
                              <TotalRejectedTransactions>1</TotalRejectedTransactions>
                        </TransactionTypeTotals>
                        <TransactionTypeTotals>
                              <SubmissionTransactionTypeCode>C</SubmissionTransactionTypeCode>
                              <TotalAcceptedTransactions>2</TotalAcceptedTransactions>
                              <TotalRejectedTransactions>2</TotalRejectedTransactions>
                        </TransactionTypeTotals>
                        <TotalTransactions>6</TotalTransactions>
                        <PercentTransactionsAccepted>50.00</PercentTransactionsAccepted>
                        <TotalSubmissions>6</TotalSubmissions>
                  </SubmissionSummary>
            </SubmissionType>
            <BatchTotalTransactions>12</BatchTotalTransactions>
            <BatchTotalSubmissions>12</BatchTotalSubmissions>
            <BatchTotalPercentTransactionsAccepted>50.00</BatchTotalPercentTransactionsAccepted>
      </SubmittingParty>
</SubmissionResponse>
```

Figure 7-7 - Transaction Summary Results XML

Because CDX's schema validation step will reject an XML submission file that does not contain transactions, ICIS should always generate the Transaction Summary Results XML with all of the tags shown in the example above.

Table 7-5 lists the tags that are included in the Transaction Summary Results XML and provides examples of data that may be included in the tag. The XML Tag Name column lists the tag and parent tag for each group of data sent to the user. Parent tags are listed in bold. The Characteristics column lists the type of data element and size or allowable contents. The Example Value column lists a sample value for the data tag in the Rejected Transaction Results XML.

The first group of tags in the table contains global tags that are included in all Transaction Summary XML Response files. The next set of tags groups all submissions made by the same User ID. Following User ID is Submission Type which is used to group all transactions for the same Submission Type. All subsequent groups listed in the table are the tags that are returned for Accepted or Rejected transactions for the batch XML submission. Note that the Transaction Summary Report in the PDF file returned by ICIS-NPDES shows the batch total transactions for one submission, while the XML Transaction Summary Report provides the batch total transactions for one submitting party at a time.

XML Tag Name		Characteristics	Example Value
Fields returned with each result XML document:			
<SubmissionResponse/>			
TransactionIdentifier (identifier returned to user from CDX after the batch submission)		1-40 characters long	asdf-1234-sefa-1234
SubmissionDate (date of XML Submission)		Date in yyyy-mm-dd format	2010-08-13
ProcessedDate (date the batch was processed)		Date in yyyy-mm-dd format	2010-08-13
Fields returned for each User ID submitted:			
<SubmittingParty/>			
UserID		3-30 characters long. This is the same as the ICIS ID provided in the XML submission file's <ID> tag.	ABC
BatchTotalTransactions		Integer between 0 and 999999	12
BatchTotalSubmissions		Integer between 0 and 999999	12
BatchTotalPercentTransactionsAccepted		Number between 0 and 100 with 2 decimal places	50.00
Fields returned for each Submission Type submitted:			
<SubmissionType/>			

XML Tag Name		Characteristics	Example Value
SubmissionTypeName		1-50 characters long, where choices are: Basic Permit Biosolids Permit Biosolids Program Report CAFO Annual Report CAFO Permit Compliance Monitoring Linkage Compliance Monitoring Compliance Schedule CSO EventReport CSO Permit Discharge Monitoring Report DMR Program Report Linkage DMR Violation Effluent Trade Partner Enforcement Action Milestone Enforcement Action Violation Key Formal Enforcement Action General Permit Informal Enforcement Action Limit Set Limits Local Limits Program Report Master General Permit Narrative Condition Schedule Parameter Limits Permit Reissuance Permitted Feature Permit Tracking Event Pretreatment Permit Pretreatment Performance Summary Schedule Event Violation Single Event Violation SSO Annual Report SSO Event Report SSO Monthly Event Report POTW Permit SW Construction Permit SW Event Report SW Industrial Permit SW MS4 Large Permit SW MS4 Program Report SW MS4 Small Permit Unpermitted Facility	Basic Permit
Fields returned for each Transaction Type submitted:			
<SubmissionSummary/>			
<TransactionTypeTotals/>			
SubmissionTransactionTypeCode		1 character long, where N = New, C = Change, R = Replace, D = Delete, X = Mass Delete	R
TotalAcceptedTransactions		Integer between 0 and 999999	1
TotalRejectedTransactions		Integer between 0 and 999999	1
Fields returned for all Transaction Types submitted:			
TotalTransactions		Integer between 0 and 999999	6
PercentTransactionsAccepted		Number between 0 and 100 with 2 decimal places	50.00

XML Tag Name		Characteristics	Example Value
TotalSubmissions		Integer between 0 and 999999	6

Table 7-5 - XML Tags Contained in the Transaction Summary Results XML

8 DATA MAPPING AND RULES

This section contains mapping of ICIS data families into corresponding PCS fields and explains special rules ICIS-NPDES Batch will follow when processing data. Each mapping table provides all of the tags possible within an XML file, their PCS counterparts where applicable, the name of the PCS code table, the name of the ICIS code table, and explanations of how ICIS will handle the data when extracting and processing it. XML tag name definitions, characteristics and mandatory designations in the mapping tables can be found in the ICIS-NPDES XML Data Exchange Template.

8.1 BASIC PERMIT AND GENERAL PERMIT COVERED FACILITY MAPPING AND RULES

8.1.1 Basic Permit and General Permit Covered Facility Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermitTypeCode	Permit Type (PTYP)	320	Ref_permit_type	Icis_permit.permit_type_code	Similar to PCS but more generic.
AssociatedMasterGeneralPermitIdentifier	N/A			icis_permit.master_external_permit_nmbr	
AgencyTypeCode	Type of Permit (EPST)	330	Ref_agency_type	icis_permit.agency_type_code	Similar to PCS but more expansive.
PermitStatusCode	Type of Permit (EPST)	330	Ref_permit_status	icis_permit.permit_status_code	The only code available for batch is "NON" for Not Needed. Otherwise, ICIS determines the status of the permit using the permit's effective, expiration and application received dates.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIssueDate	Permit Tracking Achieved Date (PTAC)			icis_permit.issue_date	Use PTAC for PTEV = "P4099 ". The format for ICIS is ccyy-mm-dd.
PermitEffectiveDate	Permit Tracking Achieved Date (PTAC)			icis_permit.effective_date	Use PTAC for PTEV = "P6099 ". The format for ICIS is ccyy-mm-dd. This date cannot be changed once it is reported to ICIS.
PermitExpirationDate	Permit Tracking Achieved Date (PTAC)			icis_permit.expiration_date	Use PTAC for PTEV = "P5099 ". The format for ICIS is ccyy-mm-dd. This date cannot be changed once it is reported to ICIS.
ReissuancePriorityPermitIndicator	HQ Priority Indicator (HPRI)			icis_permit.reissuance_priority	Same as PCS.
BacklogReasonText	N/A			icis_permit.backlog_reason	
PermitIssuingOrganizationTypeName	N/A			icis_permit.issuing_agency	
OtherPermitIdentifier	State Permit Number (STNO)			Icis_other_permit.other_external_permit_nmbr	Cannot be the same NPID as its permit's PermitIdentifier.
OtherOrganizationName	N/A			Icis_other_permit.organization_name	
OtherPermitIdentifierContextName	N/A			Icis_other_permit.identifier_context_desc	
AssociatedPermitIdentifier	Sludge Related Permit Number (SLID)			Icis_perm_association.related_external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6. A permit with an NPID that matches SLID must already exist in ICIS.
AssociatedPermitReasonCode	N/A		Ref_perm_association	Icis_perm_association.perm_association_code	
PermitAppealedIndicator	N/A			icis_permit.appeal_flag	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
SICCode	SIC Code (SIC2)	140	Ref_sic	xref_activity_sic_code, xref_facility_interest_sic.sic_code	Same as PCS but codes may have been added, changed or removed.
SICPrimaryIndicatorCode	N/A			xref_activity_sic.primary_flag, xref_facility_interest_sic.primary_flag	There can only be one primary SIC code, all others need to use "N".
NAICSCode	N/A		Ref_naics	xref_activity_naics.naics_code, xref_facility_interest_naics.naics_code	
NAICSPrimaryIndicatorCode	N/A			xref_activity_naics.primary_flag, xref_facility_interest_naics.primary_flag	There can only be one primary NAICS code, all others need to use "N".
PermitUserDefined DataElement1Text	Regional Data Field 6 (RDF6)			icis_permit.udf1	Same as PCS.
PermitUserDefined DataElement2Text	Regional Data Field 7 (RDF7)			icis_permit.udf2	Same as PCS.
PermitUserDefined Dataelement3Text	Regional Data Field 8 (RDF8)			icis_permit.udf3	Same as PCS.
PermitUserDefined DataElement4Text	Regional Data Field 9 (RDF9)			icis_permit.udf4	Same as PCS.
PermitUserDefined DataElement5Text	Regional Data Field 0 (RDF0)			icis_permit.udf5	Same as PCS.
PermitCommentsText	N/A			icis_permit.comment_text	
MajorMinorRatingCode	N/A			icis_permit.major_rating_nmbr	This tag must not be submitted for permits with a POTW component.
TotalApplicationDesignFlowNumber	Flow Rate (FLOW)			icis_permit.total_design_flow_nmbr	Same as PCS except POTW permits should store FLOW in this field.
TotalApplicationAverageFlowNumber	Flow Rate (FLOW)			icis_permit.actual_average_flow_nmbr	Same as PCS except non-POTW permits should store FLOW in this field.
FacilitySiteName	Facility Short Name (FNMS)			icis_facility_interest.facility_name	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
LocationAddressText	Facility Location Street 1 (RST1)			icis_facility_interest.location_address	Same as PCS.
SupplementalLocationText	Facility Location Street 2 (RST2)			icis_facility_interest.supplemental_address_text	Same as PCS.
LocalityName	Facility Location City (RCTY)			icis_facility_interest.city	Same as PCS.
LocationStateCode	Facility Location State (RSTT)		Ref_state	icis_facility_interest.state_code	Same as PCS.
LocationZipCode	Facility Location Zip Code (RZIP)			icis_facility_interest.zip	Same as PCS.
LocationCountryCode	N/A			icis_facility_interest.country_code	
OrganizationDUNSNumber	N/A			icis_facility_interest.organization_duns_nmbr	
StateFacilityIdentifier	N/A			icis_facility_interest.state_facility_id	This value must be unique within each state based on the Facility's Location Address
StateRegionCode	Sub Region Code (SUBR)			icis_facility_interest.state_region	Same as PCS.
FacilityCongressionalDistrictNumber	N/A			icis_facility_interest.congressional_dist_num	
FacilityClassification	N/A		Ref_classification	xref_fac_int_classification.classification_code	
PolicyCode	N/A		Ref_policy	xref_facility_interest_policy.policy_code	
OriginatingPrograms	N/A		Ref_program	xref_facility_interest_program.program_code	
FacilityTypeOfOwnership	Type of Ownership (TYPO)	200	Ref_facility_type	icis_facility_interest.facility_type_code	Similar to PCS but codes may have been added, changed or removed.
FederalFacilityIdentificationNumber	Federal Facility ID (FFID)			icis_facility_interest.federal_facility_id	Same as PCS.
FederalAgencyCode	N/A		Ref_federal_age	icis_facility_interest.federal_agenc	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
			ncy	y_code	
TribalLandCode	HQ Priority 1 (HQ01)		Ref_tribal_land	icis_facility_interest.tribal_land_r_code	If HQ01 contains an "'N" use "R790". If HQ01 contains an "I" use "-999".
ConstructionProjectName	N/A			icis_facility_interest.construction_project_name	
ConstructionProjectLatitudeMeasure	N/A			icis_facility_interest.construction_project_lat	Must be in decimal degrees.
ConstructionProjectLongitudeMeasure	N/A			icis_facility_interest.construction_project_long	Must be in decimal degrees.
SectionTownshipRange	N/A			icis_facility_interest.section_township_range	
FacilityComments	Attorney (ATNY) + Engineer (ENGI) + Sludge User Data Element 1 (SLP1) + Sludge User Data Element 2 (SLP2), Facility Name 2 (NAM2) + Facility Name 3 (NAM3) + Facility Name 4 (NAM4)			icis_facility_interest.comment_text	Fields are concatenated together in the order listed.
FacilityUserDefinedField1	Regional Data Field 1 (RDF1)			icis_facility_interest.udf1	Same as PCS.
FacilityUserDefinedField2	Regional Data Field 2 (RDF2)			icis_facility_interest.udf2	Same as PCS.
FacilityUserDefinedField3	Regional Data Field 3 (RDF3)			icis_facility_interest.udf3	Same as PCS.
FacilityUserDefinedField4	Regional Data Field 4 (RDF4)			icis_facility_interest.udf4	Same as PCS.
FacilityUserDefinedField5	Regional Data Field 5 (RDF5)			icis_facility_interest.udf5	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
LatitudeMeasure	Facility Latitude (FLAT)			icis_facility_interest.geocode_latitude	PCS uses fixed format of hemisphere (+ or -), degrees, minutes, seconds, and tenths of a second (HDDMMSST). ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank. Use the following formula to convert to decimal degrees: Decimal Degrees value = HD.A A = [(M + S.T/60)/60] where A = the decimal part of the number D = degrees M = minutes S = seconds T = tenths of a second
LongitudeMeasure	Facility Longitude (FLON)			icis_facility_interest.geocode_longitude	PCS uses fixed format of hemisphere (+ or -), degrees, minutes, seconds, and tenths of a second (HDDDMMSST). ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank. Use the following formula to convert to decimal degrees: Decimal Degrees value = HD.A A = [(M + S.T/60)/60] where A = the decimal part of the number D = degrees M = minutes S = seconds T = tenths of a second
HorizontalAccuracyMeasure	Facility Lat/Lon Accuracy Code	470		icis_facility_interest.horizontal_accuracy_measure	Free format in ICIS

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	(FLLC)				
GeometricTypeCode	N/A		Ref_geometric_type	icis_facility_interest.geometric_type_code	
HorizontalCollectionMethodCode	Facility Lat/Lon Method of Collection (FLLM)	471	Ref_horizontal_collect_method	icis_facility_interest.horizontal_collection_method_code	Same as PCS but codes may have been added, changed or removed.
HorizontalReferenceDatumCode	Facility Lat/Lon Datum (FLLT)	472	Ref_horizontal_ref_datum	icis_facility_interest.horizontal_ref_datum_code	Same as PCS but codes may have been added, changed or removed.
ReferencePointCode	Facility Lat/Lon Description (FLLD)	475	Ref_reference_point	icis_facility_interest.reference_point_code	Same as PCS but codes may have been added, changed or removed.
SourceMapScaleNumber	Facility Lat/Lon Scale (FLLS)	473		icis_facility_interest.source_map_scale_nmbr	Free format in ICIS
ApplicationReceivedDate	Permit Tracking Achieved Date (PTAC)			icis_permit.app_received_date	Use PTAC for PTEV = "P1099", "A10MS", "P10MS", "000GA" or "R10RI". The format for ICIS is ccyy-mm-dd.
PermitApplicationCompletionDate	Permit Tracking Achieved Date (PTAC)			icis_permit.complete_app_received_date	Use PTAC for PTEV = "P2099" or "22099"
NewSourceIndicator	New Source Code (NEWS)	400		icis_permit.new_source_flag	Same as PCS but codes may have been added, changed or removed.
StatusCode	Facility Inactive Code (IACC)			Icis_permit.permit_comp_status_flag	If IACC is used for compliance tracking and IACC = "I", use "Off".
StatusStartDate	Facility Inactive Date (IADT)			Icis_perm_comp_status_begin_date	If IACC is used for compliance tracking, same as PCS but the format for ICIS is ccyy-mm-dd.
StatusReason	N/A			Icis_perm_comp_status.status_reason_text	
EffluentGuidelineCode	N/A		Ref_perm_effluent	Icis_perm_effluent_guide.perm_effluent_code	
PermitStateWaterBodyCode	USGS Hydrologic	800,		icis_permit.state_water_body	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	Basin Code (FHBC), Facility Stream Segment (FSEG)	804			
PermitStateWaterBodyName	Receiving Waters (RWAT)			icis_permit.state_water_body_name	Same as PCS.
FederalGrantIndicator	Federal Grant Indicator (FDGR)			Icis_permit.federal_grant_flag	If FDGR contains "$" use "Y", otherwise use "N".
DMRCognizantOfficial	Cognizant Official (OFFL)			icis_permit.dmr_cognizant_official	Same as PCS.
DMRCognizantOfficialTelephoneNumber	Cognizant Official Telephone (TELE)			icis_permit.dmr_cognizant_offcl_telephone	Same as PCS but without parentheses, spaces, dots or dashes.
AffiliationTypeText	N/A		Ref_affiliation_type	xref_activity_address.affiliation_type_code, xref_activity_contact.affiliation_type_code, xref_facility_interest_address.affiliation_type_code, xref_facility_interest_contact.affiliation_type_code	In ICIS, contacts and addresses are assigned their own set of affiliation type codes to choose from. Batch states must select codes where Affiliation_Catogory = "Non-Government"). Facility contacts and addresses may only have affiliation type codes of LAT, ENG, SOA, SAP, LOA, MAD, PCT, FOC, OPE, OWN, PCA, PMA, ATT, BOP, RES, REA, IFR, AFP, AMA, COF, SCT, CMC, ENC, CAN, LEH, COP. Permit contacts and addresses may only have affiliation type codes of BIL, LAT, SWP, DMA, COS, CNC, PMA, PRE, SWN, SWX, BAP, BFA, BFO, BHA, BLA, BLO, BML, BRP, BRE, BSF, BSH, BSO, CAI, CAN, BSM, LBA, SW4, COP.
FirstName	N/A			icis_contact.first_name	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
MiddleName	N/A			icis_contact.middle_name	
LastName	N/A			icis_contact.last_name	
IndividualTitleText	N/A			icis_contact.title	
OrganizationFormalName	Sludge Commercial Handler (SNAM), DMR Mailing Name (ANAM), Primary Mailing Name (MNAM), Operator Name (ENAM), Owner Name (ONAM), Facility Name (NAM1)			icis_contact.organization_formal_name, icis_address.organization_formal_name	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH, Mailing refers to affiliation_type_code of DMA, Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
StateCode	Sludge Handler State (SSTT), DMR Mailing State (ASTT), Primary Mailing State (MSTT), Operator Mailing State (ESTT), Owner State (OSTT), Facility Location State (RSTT)		Ref_state	icis_contact.state_code	Same as PCS but codes may have been added, changed or removed. Sludge Commercial Handler refers to affiliation_type_code of BSH, Mailing refers to affiliation_type_code of DMA, Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
RegionCode	N/A		Ref_region	icis_contact.region_code	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_contact_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	Operator Telephone (ETEL),			icis_contact_phone.telephone_nmb	Same as PCS but without parentheses, spaces, dots or dashes.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	Owner Telephone (OTEL)			r	Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN.
TelephoneExtensionNumber	N/A			icis_contact_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_contact_electronic_addr.electronic_address_text	
StartDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: end_date	
OrganizationDUNSNumber	N/A			icis_address.organization_duns_numbr	
MailingAddressText	Sludge Handler Street 1 (SST1), DMR Mailing Street 1 (AST1), Primary Mailing Street 1 (MST1), Operator Street 1 (EST1), Owner Street 1 (OST1), Facility Location Street 1 (RST1)			icis_address.street_address	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH, Mailing refers to affiliation_type_code of DMA, Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
SupplementalAddressText	Sludge Handler Street 2 (SST2), DMR Mailing Street 2 (AST2), Primary Mailing Street 2 (MST2), Operator Street 2			icis_address.supplemental_address_text	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH, Mailing refers to affiliation_type_code of DMA, Primary Mailing refers to affiliation_type_code of MAD,

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	(EST2), Owner Street 2 (OST2), Facility Location Street 2 (RST2)				Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
MailingAddressCityName	Sludge Handler City (SCTY), DMR Mailing City (ACTY), Primary Mailing City (MCTY), Operator City (ECTY), Owner City (OCTY), Facility Location City (RCTY)			icis_address.city	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH, Mailing refers to affiliation_type_code of DMA, Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
MailingAddressStateCode	Sludge Handler State (SSTT), DMR Mailing State (ASTT), Primary Mailing State (MSTT), Operator State (ESTT), Owner State (OSTT), Facility Location State (RSTT)		Ref_state	icis_address.state_code	Same as PCS but codes may have been added, changed or removed. Sludge Commercial Handler refers to affiliation_type_code of BSH, Mailing refers to affiliation_type_code of DMA, Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
MailingAddressZipCode	Sludge Handler Zip Code (SZIP), DMR Mailing Zip Code (AZIP), Primary			icis_address.zip	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH, Mailing refers to

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	Mailing Zip Code (MZIP), Operator Zip Code (EZIP), Owner Zip Code (OZIP), Facility Location Zip Code (RZIP)				affiliation_type_code of DMA, Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
CountyName	N/A			icis_address.county	
MailingAddressCountryCode	N/A		Ref_country	icis_address.country_code	
DivisionName	N/A			icis_address.division_name	
LocationProvince	N/A			icis_address.province	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_address_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	Operator Telephone (ETEL), Owner Telephone (OTEL)			icis_address_phone.telephone_nmbr	Same as PCS but without parentheses, spaces, dots or dashes. Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN.
TelephoneExtensionNumber	N/A			icis_address_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_address_electronic_addr.electronic_address_text	
StartDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: end_date	
SignificantIUIndicator	N/A			icis_permit.iu_significant_flag	May only be entered if the permit tpe indicates Industrial User.
ReceivingPermitIdentifier	Receiving POTW Permit Identifier (RPID)			icis_permit.receiving_potw_id	Same as PCS. Must be entered if the permit type indicates Indusrial User. The permit with its ID matching the

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					Receiving Permit Identifier must have a Pretreatment component.

8.1.2 Rules for Parsing State Submitted Basic Permit and General Permit Covered Facility XML Files

A summary of rules for processing permit and general permit covered facility data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Basic Permit and General Permit Covered Facility Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.
- If more than one Compliance Tracking Status is submitted, their timeframes must not overlap.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

NEW

- A new permit record will be added along with any child other permit, associated permit, SIC, NAICS, RNC status, permit contact, permit address, facility, facility classification, policy, originating program, facility contact and facility address records.
- New permits must have at least one permittee address
- For new Industrial User permits, the Permit ID of a Receiving POTW that exists in ICIS must be submitted as an Associated Permit, and the Receiving POTW must have a Pretreatment Component.

- When a permit with a Pretreatment Component has the Pretreatment Program Required Indicator contain "Y", any Associated NPDES Permits with the Association Reason equal to 'Associated Pretreatment Program' must have a Pretreatment Program Indicator contain "C".
- Either the permit's issuance, effective and expiration dates must all be present or all be missing.
- A permit's effective date must be on or after the issuance date, and its expiration date must be on or up to 5 years after the effective date.
- If the permit's effective date is blank or after the date of the submission, and/or the PermitStatusCode contains "NON", the Compliance Tracking tags cannot be present.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.
- If a latitude is provided the longitude must be provided.
- If a longitude is provided the latitude must be provided.

CHANGE

- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in a permit's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-mandatory field in ICIS.
- Permit effective and expiration dates cannot be changed in ICIS.
- If the permit's effective date is blank or after the date of the submission, the PermitStatusCode tag contains "NON", the permit's status in ICIS is Not Needed or the permit has been terminated, the Compliance Tracking tags cannot be present.
- Compliance Tracking start date must be on or after the permit's effective date but before the date of the submission.
- If a latitude is provided the longitude must either be provided or already exist in the ICIS record.
- If a longitude is provided the latitude must either be provided or already exist in the ICIS record.
- Multi-value tags must have all possible values submitted for them (e.g., all Permit contacts) instead of the one that changed in order to avoid removing values unnessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACE

- Any replace transaction for a permit that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction (see rules for New above).
- Any replace transaction for a permit that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out (see rules for Changes above).

- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

DELETES

-
- If a Delete transaction for a permit has any extra data tags along with the PermitIdentifier, those extra tags will be ignored.
- A Delete transaction will remove an Individual Permit or GPCF as well as its linked Facility Interest and any child permit records and links (i.e., Permitted Features, Limit Sets, Limits, Effluent Trade Partners, blank DMR forms, Narrative Conditions, Permit Schedules, Permit Tracking Events, Linked Non-Government Contacts and Addresses, and Links to Government Contacts) from ICIS.

8.2 MASTER GENERAL PERMIT MAPPING AND RULES

8.2.1 Master General Permit Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermitTypeCode	Permit Type (PTYP)	320	Ref_permit_type	Icis_permit.permit_type_code	Similar to PCS but more generic.
AgencyTypeCode	Type of Permit (EPST)	330	Ref_agency_type	icis_permit.agency_type_code	Similar to PCS but more expansive.
PermitIssueDate	Permit Tracking Achieved Date (PTAC)			icis_permit.issue_date	Use PTAC for PTEV = “P4099 ”. The format for ICIS is ccyy-mm-dd.
PermitEffectiveDate	Permit Tracking Achieved Date (PTAC)			icis_permit.effective_date	Use PTAC for PTEV = “P6099 ”. The format for ICIS is ccyy-mm-dd. This date cannot be changed once it

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					is reported to ICIS.
PermitExpirationDate	Permit Tracking Achieved Date (PTAC)			icis_permit.expiration_date	Use PTAC for PTEV = "P5099 ". The format for ICIS is ccyy-mm-dd. This date cannot be changed once it is reported to ICIS.
ReissuancePriorityPermitIndicator	HQ Priority Indicator (HPRI)			icis_permit.reissuance_priority	Same as PCS.
BacklogReasonText	N/A			icis_permit.backlog_reason	
PermitIssuingOrganizationTypeName	N/A			icis_permit.issuing_agency	
OtherPermitIdentifier	State Permit Number (STNO)			Icis_other_permit.other_external_permit_nmbr	Cannot be the same NPID as the PermitIdentifier.
OtherOrganizationName	N/A			Icis_other_permit.organization_name	
OtherPermitIdentifierContextName	N/A			Icis_other_permit.identifier_context_desc	
AssociatedPermitIdentifier	Sludge Related Permit Number (SLID)			Icis_perm_association.related_external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6. A permit with an NPID that matches SLID must already exist in ICIS.
AssociatedPermitReasonCode	N/A		Ref_perm_association	Icis_perm_association.perm_association_code	
PermitAppealedIndicator	N/A			icis_permit.appeal_flag	
SICCode	SIC Code (SIC2)	140	Ref_sic	xref_activity_sic_code, xref_facility_interest_sic.sic_code	Same as PCS but codes may have been added, changed or removed.
SICPrimaryIndicatorCode	N/A			xref_activity_sic.primary_flag, xref_facility_interest_sic.primary_flag	There can only be one primary SIC code, all others need to use "N".
NAICSCode	N/A		Ref_naics	xref_activity_naics.naics_code, xref_facility_interest_naics.naics_code	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
NAICSPrimaryIndicatorCode	N/A			xref_activity_naics.primary_flag, xref_facility_interest_naics.primary_flag	There can only be one primary NAICS code, all others need to use "N".
PermitUserDefined DataElement1Text	Regional Data Field 6 (RDF6)			icis_permit.udf1	Same as PCS.
PermitUserDefined DataElement2Text	Regional Data Field 7 (RDF7)			icis_permit.udf2	Same as PCS.
PermitUserDefined Dataelement3Text	Regional Data Field 8 (RDF8)			icis_permit.udf3	Same as PCS.
PermitUserDefined DataElement4Text	Regional Data Field 9 (RDF9)			icis_permit.udf4	Same as PCS.
PermitUserDefined DataElement5Text	Regional Data Field 0 (RDF0)			icis_permit.udf5	Same as PCS.
PermitCommentsText	N/A			icis_permit.comment_text	
AffiliationTypeText	N/A		Ref_affiliation_type	xref_activity_contact.affiliation_type_code	In ICIS, contacts and addresses are assigned their own set of affiliation type codes to choose from. Batch states must select codes where Affiliation_Catogory = "Non-Government"). Permit contacts and addresses may only have affiliation type codes of BIL, LAT, SWP, DMA, COS, CNC, PMA, PRE, SWN, SWX, BAP, BFA, BFO, BHA, BLA, BLO, BML, BRP, BRE, BSF, BSH, BSO, CAI, CAN, BSM, LBA, SW4.
FirstName	N/A			icis_contact.first_name	
MiddleName	N/A			icis_contact.middle_name	
LastName	N/A			icis_contact.last_name	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
IndividualTitleText	N/A			icis_contact.title	
OrganizationFormalName	Sludge Commercial Handler (SNAM), DMR Mailing Name (ANAM), Primary Mailing Name (MNAM), Operator Name (ENAM), Owner Name (ONAM), Facility Name (NAM1)			icis_contact.organization_formal_name, icis_address.organization_formal_name	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH, Mailing refers to affiliation_type_code of DMA, Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
StateCode	Sludge Handler State (SSTT), DMR Mailing State (ASTT), Primary Mailing State (MSTT), Operator Mailing State (ESTT), Owner State (OSTT), Facility Location State (RSTT)		Ref_state	icis_contact.state_code	Same as PCS but codes may have been added, changed or removed. Sludge Commercial Handler refers to affiliation_type_code of BSH, Mailing refers to affiliation_type_code of DMA, Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
RegionCode	N/A		Ref_region	icis_contact.region_code	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_contact_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	Operator Telephone (ETEL), Owner Telephone (OTEL)			icis_contact_phone.telephone_nmbr	Same as PCS but without parentheses, spaces, dots or dashes. Operator refers to affiliation_type_code of OPE, Owner

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					refers to affiliation_type_code of OWN.
TelephoneExtensionNumber	N/A			icis_contact_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_contact_electronic_addr.electronic_address_text	
StartDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: end_date	
GeneralPermitIndustrialCategory	General Permit Industrial Category		Ref_perm_industrial_cat	icis_permit.perm_industrial_cat_code	Same as PCS but contents of PCS tables 060 and 065 have been combined into one table in ICIS and codes may have been added, changed or removed.
PermitName	Facility Name (NAM1)			icis_permit.permit_name	Same as PCS.
PermitComponentTypeCode	N/A		Ref_component_type	xref_perm_component_type.component_type_code	

8.2.2 Rules for Parsing State Submitted Master General Permit XML Files

A summary of rules for processing master general permit data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Batch Master General Permit Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes

were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.

- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

NEW

- A new permit record will be added along with any child other permit, associated permit, SIC, NAICS and permit component records.
- Either the permit's issuance, effective and expiration dates must all be present or all be missing.
- A permit's effective date must be on or after the issuance date, and its expiration date must be on or up to 5 years after the effective date.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

CHANGE

- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in a permit's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-mandatory field in ICIS.
- Permit issued, effective and expiration dates cannot be changed in ICIS.
- Multi-value tags must have all possible values submitted for them (e.g., all Permit contacts) instead of the one that changed in order to avoid removing values unnecessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACE

- Any replace transaction for a permit that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction (see rules for New above).
- Any replace transaction for a permit that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out (see rules for Changes above).
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

DELETES

- If a Delete transaction for a Master General Permit has any extra data tags along with the PermitIdentifier, those extra tags will be ignored.
- A Delete transaction will remove a Master General Permit as well as any child Permit records and links (i.e., Permitted Features, Limit Sets, Limits, Narrative Conditions, Permit Schedules, Permit Tracking Events, Non-Government Contacts, and Links to Government Contacts) from ICIS.

8.3 PERMIT COMPONENT MAPPING AND RULES

8.3.1 Permit Component Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
Biosolids Permit Component					Permits with a PermitTypeCode of IIU, SIN or UFT cannot have a Biosolids permit component in ICIS.
BiosolidsTypeCode	N/A		Ref_biosolid_type	xref_perm_biosolid_type.biosolid_type_code	
BiosolidsEndUseDisposalTypeCode	N/A		Ref_biosolid_disposal_type	xref_perm_biosolid_disposal_ty.biosolid_disposal_type_code	
EQProductDistributedMarketedAmount	N/A			icis_perm_biosolid.eq_product_amt	
LandAppliedAmount	N/A			icis_perm_biosolid.land_applied_amt	
IncineratedAmount	N/A			icis_perm_biosolid.incinerated_am	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				t	
CodisposedInMSWLandfillAmount	N/A			icis_perm_biosolid.co_disposed_amt	
SurfaceDisposalAmount	N/A			icis_perm_biosolid.surface_disposal_amt	
ManagedOtherMethodsAmount	N/A			icis_perm_biosolid.other_method_amt	
ReceivedOffsiteSourcesAmount	N/A			icis_perm_biosolid.os_source_amt	
TransferredAmount	N/A			icis_perm_biosolid.transferred_amt	
DisposedOutOfStateAmount	N/A			icis_perm_biosolid.os_disposed_amt	
BeneficiallyUsedOutOfStateAmount	N/A			icis_perm_biosolid.os_beneficially_used_amt	
ManagedOtherMethodsOutOfStateAmount	N/A			icis_perm_biosolid.os_other_method_amt	
TotalRemovedAmount	N/A			icis_perm_biosolid.total_removed_amt	
AnnualDrySludgeProductionNumber	Annual Dry Sludge Production Volume (SLPV)			icis_perm_biosolid.annual_dry_sludge	
CAFO Permit Component					Permits with a PermitTypeCode of IIU, APR or UFT cannot have a CAFO permit component in ICIS.
CAFOClassificationCode	N/A		Ref_cafo_classification	icis_perm_cafo.cafo_classification_code	If CAFOClassificationCode contains "S" the CAFODesignationReasonText tag must be present or its corresponding field in ICIS must contain a reason.
IsAnimalFacilityTypeCAFOIndicator	N/A			icis_perm_cafo.cafo_animal_facility_flag	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
CAFODesignationDate	N/A			icis_perm_cafo.designation_date	
CAFODesignationReasonText	N/A			icis_perm_cafo.cafo_reason_text	If the CAFODesignationReasonText tag is present the CAFOClassificationCode tag or its corresponding field in ICIS must contain "S".
AnimalTypeCode	N/A		Ref_animal_type	icis_perm_cafo_animal_type.animal_type_code	If AnimalTypeCode = "OTH" the OtherAnimalTypeName tag must be present or its corresponding field in ICIS must contain a description.
OtherAnimalTypeName	N/A			icis_perm_cafo_animal_type.animal_type_other	If the OtherAnimalTypeName tag is present the AnimalTypeCode tag or its corresponding field in ICIS must contain "OTH".
TotalNumbersEachLivestock	N/A			icis_perm_cafo_animal_type.total_nmbr	Must equal the sum of the values in the OpenConfinementCount + HousedUnderRoofConfinementCount tags or their corresponding fields in ICIS.
OpenConfinementCount	N/A			icis_perm_cafo_animal_type.open_confinement_count	This tag and/or the HousedUnderRoofConfinement tag must be present or its corresponding field in ICIS must contain a number when the AnimalType tag is present.
HousedUnderRoofConfinementCount	N/A			icis_perm_cafo_animal_type.under_roof_confinement_count	This tag and/or the OpenConfinementCount tag must be present or their corresponding fields in ICIS must contain a number when the AnimalType tag is present.
ManuerLitterProcessedWastewaterStorageType	N/A		Ref_storage_type	icis_perm_cafo_storage.storage_type_code	If ManuerLitterProcessedWastewaterStorageType = "OTH" the OtherStorageTypeName tag must be

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					present or its corresponding field in ICIS must contain a description.
OtherStorageTypeName	N/A			icis_perm_cafo_containment.storage_type_other	If the OtherStorageTypeName tag is present the ManuerLitterProcessedWastewaterStorageType tag or its corresponding field in ICIS must contain "OTH".
StorageTotalCapacityMeasure	N/A			icis_perm_cafo_storage.total_capacity_measure	This tag must be present when the ManuerLitterProcessedWastewaterStorageType tag is present or its corresponding field in ICIS must contain a code.
DaysOfStorage	N/A			icis_perm_cafo_storage.days_of_storage	
ContainmentTypeCode	N/A		Ref_containment_type	icis_perm_cafo_containment.containment_type_code	If ContainmentTypeCode = "OTH" the OtherContainmentTypeName tag must be present or its corresponding field in ICIS must contain a description.
OtherContainmentTypeName	N/A			icis_perm_cafo_containment.containment_type_other	If the OtherContainmentTypeName tag is present the ContainmentTypeCode tag or its corresponding field in ICIS must contain "OTH".
ContainmentCapacityNumber	N/A			icis_perm_cafo_containment.containment_capacity	This tag must be present or its corresponding field in ICIS must contain a number when the ContainmentTypeCode tag is present.
NumberAcresContributingDrainage	N/A			icis_perm_cafo.nmbr_of_acres_drainage	
ApplicationMeasureAvailableLandNumber	N/A			icis_perm_cafo.land_available	
SolidManureLitterGenerated	N/A			icis_perm_cafo.solid_manure_gen	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
Amount				erated_amt	
LiquidManureWastewaterGeneratedAmount	N/A			icis_perm_cafo.liquid_manure_generated_amt	
SolidManureLitterTransferAmount	N/A			icis_perm_cafo.solid_manure_transferred_amt	
LiquidManureWastewaterTransferAmount	N/A			icis_perm_cafo.liquid_manure_transferred_amt	
NMPDevelopedCertifiedPlannerApprovedIndicator	N/A			icis_perm_cafo.nmp_flag	
NMPDevelopedDate	N/A			icis_perm_cafo.nmp_developed_date	
NMPLastUpdatedDate	N/A			icis_perm_cafo.nmp_last_updated_date	
EnvironmentalManagementSystemIndicator	N/A			icis_perm_cafo.ems_flag	
EMSDevelopedDate	N/A			icis_perm_cafo.ems_developed_date	
EMSLastUpdatedDate	N/A			icis_perm_cafo.ems_last_updated_date	
LandApplicationBMPTypeCode	N/A		Ref_bmp	icis_perm_cafo_bmp.bmp_code	If LandApplicationBMPTypeCode = "OTH" the OtherLandApplicationBMPTypeName tag must be present or its corresponding field in ICIS must contain a name.
OtherLandApplicationBMPTypeName	N/A			icis_perm_cafo_bmp.bmp_other	If the OtherLandApplicationBMPTypeName tag is present the LandApplicationBMPTypeCode tag or its corresponding field in ICIS must contain "OTH".
LivestockMaximumCapactiy	N/A			icis_perm_cafo.livestock_max_cap	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
Number				acity	
LivestockCapacityDeterminationBasedUponNumber	N/A			icis_perm_cafo.livestock_determin_capacity	
AuthorizedLivestockCapacityNumber	N/A			icis_perm_cafo.livestock_authorized_capacity	
LegalDescriptionText	N/A			icis_perm_cafo.legal_desc	
CSO Permit Component					Permits with a PermitTypeCode of IIU, SIN, APR or UFT cannot have a CSO permit component in ICIS.
CSSPopulationServedNumber	N/A			icis_perm_cso.css_population	
CombinedSewerSystemLength	N/A			icis_perm_cso.css_length	
CollectionSystemCombinedPercent	N/A			icis_perm_cso.percent_of_collection	
SatelliteCollectionSystemIdentifier	N/A			icis_perm_cso_satellite.css_satellite_name	Must be a valid NPDES ID of a permit that exists in ICIS.
SatelliteCollectionSystemName	N/A			icis_perm_cso_satellite.css_satellite_permit_id	
POTW Permit Component					Permits with a PermitTypeCode of IIU, APR or UFT cannot have a POTW permit component in ICIS. Permit with data in the MajorMinorRatingCode tag or its corresponding field in ICIS cannot have a POTW permit component in ICIS.
SSCSPopulationServed	N/A			icis_perm_sso.sscs_length	
CombinedSSCSSystemLength	N/A			icis_perm_sso.sscs_population	
SatelliteCollectionSystemIde	N/A			icis_perm_sso_satellite.sscs_satelli	Must be a valid NPDES ID of a permit that exists in ICIS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ntifier				te_name	
SatelliteCollectionSystemName	N/A			icis_perm_sso_satellite.sscs_satellite_permit_id	
Pretreatment Permit Component					Permits with a PermitTypeCode of IIU, SIN or UFT cannot have a Pretreatment permit component in ICIS.
PretreatmentProgramRequiredIndicatorCode	Pretreatment Type Code (PRET)	380	Ref_pretreatment_indicator	icis_perm_pretreatment.pretreatment_indicator_code	If the PretreatmentProgramRequiredIndicatorCode tag contains "Y" the PretreatmentProgramApprovedDate tag must be present. If the PretreatmentProgramRequiredIndicatorCode tag contains "C" the ControlAuthorityNPDESIdentifier must be present and have a PretreatmentProgramRequiredIndicatorCode tag containing "Y". If the PretreatmentProgramRequiredIndicatorCode tag contains "S" the ControlAuthorityStateAgencyCode tag must also be present. If the PretreatmentProgramRequiredIndicatorCode tag contains "E" the ControlAuthorityRegionalAgencyCode tag must also be present.
ControlAuthorityStateAgencyCode	N/A		Ref_state	icis_perm_pretreatment.state_code	The PretreatmentProgramRequiredIndicatorCode tag must also be present and contain an "S".

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ControlAuthorityRegionalAgencyCode	N/A		Ref_region	icis_perm_pretreatment.region_code	The PretreatmentProgramRequiredIndicatorCode tag must also be present and contain an "E".
ControlAuthorityNPDESIdentifier	N/A			icis_perm_pretreatment.control_auth_permit_id	The ControlAuthorityNPDESIdentifier must contain the valid NPDES ID of another permit that exists in ICIS with a pretreatment component having a Pretreatment Program Required Indicator Code of "Y". When the ControlAuthorityNPDESIdentifier tag is present the PretreatmentProgramRequiredIndicatorCode tag or its corresponding field in ICIS must contain a "C".
PretreatmentProgramApprovedDate	N/A			icis_perm_pretreatment.pretreatment_approved_date	
Storm Water Construction Permit Component					Permits with a PermitTypeCode of IIU, SIN, APR or UFT cannot have a Storm Water permit component in ICIS.
StateWaterBodyName	N/A			icis_perm_storm_water_body.state_water_body_name	
ReceivingMS4Name	N/A			icis_perm_storm_water_ms4_name.receiving_ms4_name	
ImpairedWaterIndicator	N/A			icis_perm_storm_water.impaired_water_flag	
HistoricPropertyIndicator	N/A			icis_perm_storm_water.hist_prop_flag	If HistoricPropertyIndicator = "Y" the HistoricPropertyCriterionMetCode tag must be present or its

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					corresponding field in ICIS must contain a code.
HistoricPropertyCriterionMetCode	N/A		Ref_historic_criterion	icis_perm_storm_water.historic_criterion_code	If HistoricPropertyIndicator = "Y" the HistoricPropertyCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
SpeciesCriticalHabitatIndicator	N/A			icis_perm_storm_water.species_critical_habital_flag	If SpeciesCriticalHabitatIndicator = "Y" the SpeciesCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
SpeciesCriterionMetCode	N/A		Ref_species_criterion	icis_perm_storm_water.species_criterion_code	If SpeciesCriticalHabitatIndicator = "Y" the SpeciesCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
NOISignatureDate	N/A			icis_perm_storm_water.noi_signature_date	This tag is only allowed for General Permit Covered Facility permits.
NOIPostmarkDate	N/A			icis_perm_storm_water.noi_postmark_date	This tag is only allowed for General Permit Covered Facility permits.
NOIReceivedDate	N/A			icis_perm_storm_water.noi_received_date	This tag is only allowed for General Permit Covered Facility permits.
CompleteNOIReceivedDate	N/A			icis_perm_storm_water.complete_noi_received_date	This tag is only allowed for General Permit Covered Facility permits.
NOTTerminationDate	N/A			icis_perm_construction.not_termination_date	This tag is only allowed for General Permit Covered Facility permits.
NOTSignatureDate	N/A			icis_perm_construction.not_signature_date	This tag is only allowed for General Permit Covered Facility permits.
NOTPostmarkDate	N/A			icis_perm_construction.not_postmark_date	This tag is only allowed for General Permit Covered Facility permits.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
NOTReceivedDate	N/A			icis_perm_construction.not_received_date	This tag is only allowed for General Permit Covered Facility permits.
ProjectTypeCode	N/A		Ref_project_type	icis_perm_construction.project_type_code	
EstimatedStartDate	N/A			icis_perm_construction.estimated_begin_date	
EstimatedCompleteDate	N/A			icis_perm_construction.estimated_end_date	
EstimatedAreaDistributedAcresNumber	N/A			icis_perm_construction.estimated_area_disturbed	
ProjectPlanSizeCode	N/A		Ref_project_plan_size	icis_perm_construction.project_plan_size_code	
Storm Water Industrial Permit Component					Permits with a PermitTypeCode of IIU, SIN, APR or UFT cannot have a Storm Water permit component in ICIS.
StateWaterBodyName	N/A			icis_perm_storm_water_body.state_water_body_name	
ReceivingMS4Name	N/A			icis_perm_storm_water_ms4_name.receiving_ms4_name	
ImpairedWaterIndicator	N/A			icis_perm_storm_water.impaired_water_flag	
HistoricPropertyIndicator	N/A			icis_perm_storm_water.hist_prop_flag	If HistoricPropertyIndicator = "Y" the HistoricPropertyCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
HistoricPropertyCriterionMetCode	N/A		Ref_historic_criterion	icis_perm_storm_water.historic_criterion_code	If HistoricPropertyIndicator = "Y" the HistoricPropertyCriterionMetCode tag must be present or its

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					corresponding field in ICIS must contain a code.
SpeciesCriticalHabitatIndicator	N/A			icis_perm_storm_water.species_critical_habital_flag	If SpeciesCriticalHabitatIndicator = "Y" the SpeciesCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
SpeciesCriterionMetCode	N/A		Ref_species_criterion	icis_perm_storm_water.species_criterion_code	If SpeciesCriticalHabitatIndicator = "Y" the SpeciesCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
NOISignatureDate	N/A			icis_perm_storm_water.noi_signature_date	This tag is only allowed for General Permit Covered Facility permits.
NOIPostmarkDate	N/A			icis_perm_storm_water.noi_postmark_date	This tag is only allowed for General Permit Covered Facility permits.
NOIReceivedDate	N/A			icis_perm_storm_water.noi_received_date	This tag is only allowed for General Permit Covered Facility permits.
CompleteNOIReceivedDate	N/A			icis_perm_storm_water.complete_noi_received_date	This tag is only allowed for General Permit Covered Facility permits.
NOTTerminationDate	N/A			icis_perm_construction.not_termination_date	This tag is only allowed for General Permit Covered Facility permits.
NOTSignatureDate	N/A			icis_perm_construction.not_signature_date	This tag is only allowed for General Permit Covered Facility permits.
NOTPostmarkDate	N/A			icis_perm_construction.not_postmark_date	This tag is only allowed for General Permit Covered Facility permits.
NOTReceivedDate	N/A			icis_perm_construction.not_received_date	This tag is only allowed for General Permit Covered Facility permits.
NoExposureAuthorizationDate	N/A			icis_perm_industrial.no_expo_auth_date	This tag is only allowed for General Permit Covered Facility permits.
NoExposurePostmarkDate	N/A			icis_perm_industrial.no_expo_post	This tag is only allowed for General

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				mark_date	Permit Covered Facility permits. If this tag is present the NoExposureAuthorizationDate tag must be present or its corresponding field in ICIS must contain a date.
NoExposureEvaluationDate	N/A			icis_perm_industrial.no_expo_eval_date	This tag is only allowed for General Permit Covered Facility permits. If this tag is present the NoExposureAuthorizationDate tag must be present or its corresponding field in ICIS must contain a date.
NoExposureEvaluationBasisCode	N/A		Ref_no_expo_eval_basis	icis_perm_industrial.no_expo_eval_basis_code	This tag is only allowed for General Permit Covered Facility permits. If this tag is present the NoExposureAuthorizationDate tag must be present or its corresponding field in ICIS must contain a date.
NoExposureCriteriaMetIndicator	N/A			icis_perm_industrial.no_expo_criteria_met_flag	This tag is only allowed for General Permit Covered Facility permits. If this tag is present the NoExposureAuthorizationDate tag must be present or its corresponding field in ICIS must contain a date.
PavedRoofSize	N/A			icis_perm_industrial.paved_roof_size	This tag is only allowed for General Permit Covered Facility permits. If this tag is present the NoExposureAuthorizationDate tag must be present or its corresponding field in ICIS must contain a date.
IndustrialActivitySize	N/A			icis_perm_industrial.industrial_activity_size	This tag is only allowed for General Permit Covered Facility permits. If this tag is present the NoExposureAuthorizationDate tag must be present or its corresponding

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					field in ICIS must contain a date.
Storm Water MS4 Medium/Large Permit Component					Only permits with a PermitTypeCode of NPD may have a Storm Water Medium/Large permit component in ICIS.
StateWaterBodyName	N/A			icis_perm_storm_water_body.state_water_body_name	
ReceivingMS4Name	N/A			icis_perm_storm_water_ms4_name.receiving_ms4_name	
ImpairedWaterIndicator	N/A			icis_perm_storm_water.impaired_water_flag	
HistoricPropertyIndicator	N/A			icis_perm_storm_water.hist_prop_flag	If HistoricPropertyIndicator = "Y" the HistoricPropertyCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
HistoricPropertyCriterionMetCode	N/A		Ref_historic_criterion	icis_perm_storm_water.historic_criterion_code	If HistoricPropertyIndicator = "Y" the HistoricPropertyCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
SpeciesCriticalHabitatIndicator	N/A		Ref_species_criterion	icis_perm_storm_water.species_criterion_code	If SpeciesCriticalHabitatIndicator = "Y" the SpeciesCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
SpeciesCriterionMetCode	N/A			icis_perm_storm_water.species_critical_habital_flag	If SpeciesCriticalHabitatIndicator = "Y" the SpeciesCriterionMetCode tag must be present or its corresponding field in ICIS must

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					contain a code.
LegalEntityTypeCode	N/A		Ref_legal_entity	icis_perm_storm_water_ms4.legal_entity_code	
MS4PermitClassCode	N/A		Ref_ms4_perm_class	icis_perm_storm_water_ms4.ms4_perm_class_code	
MS4TypeCode	N/A		Ref_ms4_type	icis_perm_storm_water_ms4.ms4_type_code	
MS4AcreageCoveredNumber	N/A			icis_perm_storm_water_ms4.ms4_acreage_covered	
MS4PopulationServedNumber	N/A			icis_perm_storm_water_ms4.ms4_population_served	
UrbanizedAreaIncorporatedPlaceName	N/A			icis_perm_storm_water_ms4.urbanized_area	
MS4AnnualExpeditureDollars	N/A			icis_perm_storm_water_ms4.ms4_annual_expenditure	
MS4AnnualExpenditureYear	N/A			icis_perm_storm_water_ms4.ms4_annual_expenditure_year	
MS4BudgetDollars	N/A			icis_perm_storm_water_ms4.ms4_budget	
MS4BudgetYear	N/A			icis_perm_storm_water_ms4.ms4_budget_year	
ProjectSourcesOfFundingCode	N/A		Ref_source_funding	icis_perm_storm_water_ms4.source_funding_code	
MajorOutfallEstimatedMeasureIndicator	N/A			icis_perm_storm_water_ms4.major_outfall_measure_criteria	The MajorOutfallEstimatedMeasureIndicator tag must be present or its corresponding field in ICIS must contain data when MajorOutfallNumber > 0

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
MajorOutfallNumber	N/A			icis_perm_storm_water_ms4.major_outfall_measure	If MajorOutfallNumber > 0 the MajorOutfallEstimatedMeasureIndicator tag must be present or its corresponding field in ICIS must contain data.
MinorOutfallEstimatedMeasureIndicator	N/A			icis_perm_storm_water_ms4.minor_outfall_measure_criteria	The MinorOutfallEstimatedMeasureIndicator tag must be present or its corresponding field in ICIS must contain data when MajorOutfallNumber > 0
MinorOutfallNumber	N/A			icis_perm_storm_water_ms4.minor_outfall_measure	If MinorOutfallNumber > 0 the MajorOutfallEstimatedMeasureIndicator tag must be present or its corresponding field in ICIS must contain data.
Storm Water MS4 Small Permit Component					Permits with a PermitTypeCode of IIU, SIN, APR or UFT cannot have a Storm Water permit component in ICIS.
StateWaterBodyName	N/A			icis_perm_storm_water_body.state_water_body_name	
ReceivingMS4Name	N/A			icis_perm_storm_water_ms4_name.receiving_ms4_name	
ImpairedWaterIndicator	N/A			icis_perm_storm_water.impaired_water_flag	
HistoricPropertyIndicator	N/A			icis_perm_storm_water.hist_prop_flag	If HistoricPropertyIndicator = "Y" the HistoricPropertyCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
HistoricPropertyCriterionMetCode	N/A		Ref_historic_criterion	icis_perm_storm_water.historic_criterion_code	If HistoricPropertyIndicator = "Y" the HistoricPropertyCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
SpeciesCriticalHabitatIndicator	N/A			icis_perm_storm_water.species_criterion_code	If SpeciesCriticalHabitatIndicator = "Y" the SpeciesCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
SpeciesCriterionMetCode	N/A		Ref_species_criterion	icis_perm_storm_water.species_critical_habital_flag	If SpeciesCriticalHabitatIndicator = "Y" the SpeciesCriterionMetCode tag must be present or its corresponding field in ICIS must contain a code.
LegalEntityTypeCode	N/A		Ref_legal_entity	icis_perm_storm_water_ms4.legal_entity_code	
MS4PermitClassCode	N/A		Ref_ms4_perm_class	icis_perm_storm_water_ms4.ms4_perm_class_code	
MS4TypeCode	N/A		Ref_ms4_type	icis_perm_storm_water_ms4.ms4_type_code	
MS4AcreageCoveredNumber	N/A			icis_perm_storm_water_ms4.ms4_acreage_covered	
MS4PopulationServedNumber	N/A			icis_perm_storm_water_ms4.ms4_population_served	
UrbanizedAreaIncorporatedPlaceName	N/A			icis_perm_storm_water_ms4.urbanized_area	
MS4AnnualExpeditureDollars	N/A			icis_perm_storm_water_ms4.ms4_annual_expenditure	
MS4AnnualExpenditureYear	N/A			icis_perm_storm_water_ms4.ms4_	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				annual_expenditure_year	
MS4BudgetDollars	N/A			icis_perm_storm_water_ms4.ms4_budget	
MS4BudgetYear	N/A			icis_perm_storm_water_ms4.ms4_budget_year	
ProjectSourcesOfFundingCode	N/A		Ref_source_funding	icis_perm_storm_water_ms4.source_funding_code	
MajorOutfallEstimatedMeasureIndicator	N/A			icis_perm_storm_water_ms4.major_outfall_measure_criteria	The MajorOutfallEstimatedMeasureIndicator tag must be present or its corresponding field in ICIS must contain data when MajorOutfallNumber > 0
MajorOutfallNumber	N/A			icis_perm_storm_water_ms4.major_outfall_measure	If MajorOutfallNumber > 0 the MajorOutfallEstimatedMeasureIndicator tag must be present or its corresponding field in ICIS must contain data.
MinorOutfallEstimatedMeasureIndicator	N/A			icis_perm_storm_water_ms4.major_outfall_measure_criteria	The MinorOutfallEstimatedMeasureIndicator tag must be present or its corresponding field in ICIS must contain data when MajorOutfallNumber > 0
MinorOutfallNumber	N/A			icis_perm_storm_water_ms4.minor_outfall_measure	If MinorOutfallNumber > 0 the MajorOutfallEstimatedMeasureIndicator tag must be present or its corresponding field in ICIS must contain data.
QualifyingLocalProgramIndicator	N/A			icis_perm_storm_water_ms4.qualifying_local_program_flag	
QualifyingLocalProgramDesc	N/A			icis_perm_storm_water_ms4.qualif	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
riptionText				ying_local_program_text	
SharedResponsibilitiesIndicator	N/A			icis_perm_storm_water_ms4.shared_responsibility_flag	
SharedResponsibilitiesDescriptionText	N/A			icis_perm_storm_water_ms4.shared_responsibility_text	
Construction Waiver (Storm Water MS4 Small Permit Component - GPCF Only)	N/A				
ConstructionWaiverAuthorizationDate	N/A			icis_perm_construction.const_waiver_auth_date	This tag is only allowed for General Permit Covered Facility permits.
ConstructionWaiverCriteriaMetIndicator	N/A			icis_perm_construction.const_waiver_criteria_met_flag	This tag is only allowed for General Permit Covered Facility permits.
ConstructionWaiverEvaluationBasisCode	N/A		Ref_const_waver_eval_basis	icis_perm_construction.const_waiver_eval_basis_code	This tag is only allowed for General Permit Covered Facility permits.
ConstructionWaiverEvaluationDate	N/A			icis_perm_construction.const_waiver_eval_date	This tag is only allowed for General Permit Covered Facility permits.
ConstructionWaiverPostmarkDate	N/A			icis_perm_construction.const_waiver_postmark_date	This tag is only allowed for General Permit Covered Facility permits.
ProjectIsoerodentValue	N/A			icis_perm_construction.project_isoerodent_value	This tag is only allowed for General Permit Covered Facility permits.
ProjectEstimatedStartDate	N/A			icis_perm_construction.estimated_begin_date	This tag is only allowed for General Permit Covered Facility permits.
ProjectEstimatedCompletedDate	N/A			icis_perm_construction.estimated_end_date	This tag is only allowed for General Permit Covered Facility permits.
AffiliationTypeText	N/A		Ref_affiliation_type	Table Name: Varies by module Column Name: affiliation_type_code	In ICIS, contacts and addresses are assigned their own set of affiliation type codes to choose from. Batch states must select codes where Affiliation_Catogory = "Non-

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					Government"). Biosolid permit component contacts and addresses may only have affiliation type codes of BAP, BFA, BFO, BHA, BLA, BLO, BML, BOP BRP, BSF, BSH, BSM, BSO, BTW and SOA. CAFO permit component contacts and addresses may only have affiliation type codes of CAI, CNC, COS and SOA. Storm Water permit component contacts and addresses may only be used for General Permit Covered Facility permits and have affiliation type codes of CAN, SWC, SWN, SWP, SWR, SWX, SW4 (if "SWX" is used the NoExposureAuthorizationDate tag must be present or its corresponding field in ICIS must contain a date).
FirstName	N/A			icis_contact.first_name	
MiddleName	N/A			icis_contact.middle_name	
LastName	N/A			icis_contact.last_name	
IndividualTitleText	N/A			icis_contact.title	
OrganizationFormalName	Sludge Commercial Handler (SNAM)			icis_contact.organization_formal_name, icis_address.organization_formal_name	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH.
StateCode	Sludge Handler State (SSTT)		Ref_state	icis_contact.state_code	Same as PCS but codes may have been added, changed or removed. Sludge Commercial Handler refers to affiliation_type_code of BSH.
RegionCode	N/A		Ref_region	icis_contact.region_code	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_contact_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	N/A			icis_contact_phone.telephone_nmbr	Without parentheses, spaces, dots or dashes.
TelephoneExtensionNumber	N/A			icis_contact_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_contact_electronic_addr.electronic_address_text	
StartDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: end_date	
OrganizationDUNSNumber	N/A			icis_address.organization_duns_numbr	
MailingAddressText	Sludge Handler Street 1 (SST1)			icis_address.street_address	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH.
SupplementalAddressText	Sludge Handler Street 2 (SST2)			icis_address.supplemental_address_text	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH.
MailingAddressCityName	Sludge Handler City (SCTY)			icis_address.city	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH.
MailingAddressStateCode	Sludge Handler State (SSTT)		Ref_state	icis_address.state_code	Same as PCS but codes may have been added, changed or removed. Sludge Commercial Handler refers to affiliation_type_code of BSH.
MailingAddressZipCode	Sludge Handler Zip Code (SZIP)			icis_address.zip	Same as PCS. Sludge Commercial Handler refers to affiliation_type_code of BSH.
CountyName	N/A			icis_address.county	
MailingAddressCountryCode	N/A		Ref_country	icis_address.country_code	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
DivisionName	N/A			icis_address.division_name	
LocationProvince	N/A			icis_address.province	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_address_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	N/A			icis_address_phone.telephone_nmbr	Without parentheses, spaces, dots or dashes.
TelephoneExtensionNumber	N/A			icis_address_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_address_electronic_addr.electronic_address_text	
StartDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: end_date	

8.3.2 Rules for Parsing State Submitted Permit Component XML Files

A summary of rules for processing permit component data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Permit Component Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.

- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

NEW

- A new permit component record and any contact records will be added to ICIS.
- Only one biosolid, CAFO, CSO, SSO, pretreatment, storm water construction, storm water industrial, storm water MS4 large/medium and/or storm water MS4 small permit component may be added to a particular permit.
- At least one tag other than PermitIdentifier must be present in order to add a biosolids, CAFO or storm water permit component.
- Unpermitted Facilities, Individual Industrial User permits and Individual State Issued non-NPDES permits cannot have a biosolids permit component or a pretreatment component.
- Unpermitted Facilities, Individual Industrial User permits and Associated permits cannot have a CAFO permit component or a POTW permit component.
- Unpermitted Facilities, Individual Industrial User permits, Associated, and Individual State Issued non-NPDES permits cannot have a CSO permit component, or any of the storm water permit components.
- Only NPDES Individual permits may have a storm water MS4 medium/large permit component.
- A permit component can only be added to a General Permit Covered Facility if its Master General Permit has the component.
- If an asterisk is used in a tag to blank out the comment field in ICIS it will be ignored.

CHANGES

- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in a permit component's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- A Change transaction must have all mandatory tags and one or more optional tags.
- One asterisk may be used in a tag to blank out the comments field in ICIS. The CSSPopulationServedNumber, CollectionSystemCombinedPercent, SSCSPopulationServedNumber and CombinedSSCSSystemLength tags cannot be blanked out with an asterisk.
- Multi-value tags must have all possible values submitted for them (e.g., all CAFO contacts) instead of the one that changed in order to avoid removing values unnessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACE

- Any replace transaction for a permit component that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction to create a permit component record (see rules for New above).
- Any replace transaction for a permit component that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out (see rules for Changes above).
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

MASS DELETES

- If a Mass Delete transaction for a permit component has any extra data tags along with the PermitIdentifier, those extra tags will be ignored.
- A pretreatment permit component cannot be deleted if its permit is a receiving POTW or control authority for another permit that exists in ICIS, or its permit is associated with another permit as a pretreatment program.

8.4 UNPERMITTED FACILITY MAPPING AND RULES

8.4.1 Unpermitted Facility Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
FacilitySiteName	Facility Short Name (FNMS)			icis_facility_interest.facility_name	Same as PCS.
LocationAddressText	Facility Location Street 1 (RST1)			icis_facility_interest.location_address	Same as PCS.
SupplementalLocationText	Facility Location Street 2 (RST2)			icis_facility_interest.supplemental_address_text	Same as PCS.
LocalityName	Facility Location			icis_facility_interest.city	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	City (RCTY)				
LocationStateCode	Facility Location State (RSTT)		Ref_state	icis_facility_interest.state_code	Same as PCS.
LocationZipCode	Facility Location Zip Code (RZIP)			icis_facility_interest.zip	Same as PCS.
LocationCountryCode	N/A			icis_facility_interest.country_code	
OrganizationDUNSNumber	N/A			icis_facility_interest.organization_duns_nmbr	
StateFacilityIdentifier	N/A			icis_facility_interest.state_facility_id	
StateRegionCode	N/A			icis_facility_interest.state_region	
FacilityCongressionalDistrictNumber	N/A			icis_facility_interest.congressional_dist_num	
FacilityClassification	N/A		Ref_classification	xref_fac_int_classification.classification_code	
PolicyCode	N/A		Ref_policy	xref_facility_interest_policy.policy_code	
OriginatingPrograms	N/A		Ref_program	xref_facility_interest_program.program_code	
FacilityTypeOfOwnership	Type of Ownership (TYPO)	200	Ref_facility_type	icis_facility_interest.facility_type_code	Same as PCS but codes may have been added, changed or removed.
FederalFacilityIdentificationNumber	Federal Facility ID (FFID)			icis_facility_interest.federal_facility_id	Same as PCS.
FederalAgencyCode	N/A		Ref_federal_agency	icis_facility_interest.federal_agency_code	
TribalLandCode	HQ Priority 1 (HQ01)		Ref_tribal_land	icis_facility_interest.tribal_land_r_code	If HQ01 contains an "'N" use "R790". If HQ01 contains an "'I" use "-999".
ConstructionProjectName	N/A			icis_facility_interest.construction_project_name	
ConstructionProjectLatitude	N/A			icis_facility_interest.construction_	Must be in decimal degrees.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
Measure				project_lat	
ConstructionProjectLongitudeMeasure	N/A			icis_facility_interest.construction_project_long	Must be in decimal degrees.
SICCode	SIC Code (SIC2)	140	Ref_sic	xref_activity_sic_code, xref_facility_interest_sic.sic_code	Same as PCS but codes may have been added, changed or removed.
SICPrimaryIndicatorCode	N/A			xref_activity_sic.primary_flag, xref_facility_interest_sic.primary_flag	There can only be one primary SIC code, all others need to use "N".
NAICSCode	N/A		Ref_naics	xref_activity_naics.naics_code, xref_facility_interest_naics.naics_code	
NAICSPrimaryIndicatorCode	N/A			xref_activity_naics.primary_flag, xref_facility_interest_naics.primary_flag	There can only be one primary NAICS code, all others need to use "N".
SectionTownshipRange	N/A			icis_facility_interest.section_township_range	
FacilityComments	Attorney (ATNY) + Engineer (ENGI) + Sludge User Data Element 1 (SLP1) + Sludge User Data Element 2 (SLP2), Facility Name 2 (NAM2) + Facility Name 3 (NAM3) + Facility Name 4 (NAM4)			icis_facility_interest.comment_text	Fields are concatenated together in the order listed.
FacilityUserDefinedField1	Regional Data Field 1 (RDF1)			icis_facility_interest.udf1	Same as PCS.
FacilityUserDefinedField2	Regional Data Field 2 (RDF2)			icis_facility_interest.udf2	Same as PCS.
FacilityUserDefinedField3	Regional Data Field 3 (RDF3)			icis_facility_interest.udf3	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
FacilityUserDefinedField4	Regional Data Field 4 (RDF4)			icis_facility_interest.udf4	Same as PCS.
FacilityUserDefinedField5	Regional Data Field 5 (RDF5)			icis_facility_interest.udf5	Same as PCS.
LatitudeMeasure	Facility Latitude (FLAT)			icis_facility_interest.geocode_latitude	PCS uses fixed format of hemisphere (+ or -), degrees, minutes, seconds, and tenths of a second (HDDMMSST). ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank. Use the following formula to convert to decimal degrees: Decimal Degrees value = HD.A A = [(M + S.T/60)/60] where A = the decimal part of the number D = degrees M = minutes S = seconds T = tenths of a second
LongitudeMeasure	Facility Longitude (FLON)			icis_facility_interest.geocode_longitude	PCS uses fixed format of hemisphere (+ or -), degrees, minutes, seconds, and tenths of a second (HDDDMMSST). ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank. Use the following formula to convert to decimal degrees: Decimal Degrees value = HD.A A = [(M + S.T/60)/60] where A = the decimal part of the number D = degrees M = minutes

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					S = seconds T = tenths of a second
HorizontalAccuracyMeasure	Facility Lat/Lon Accuracy Code (FLLC)	470		icis_facility_interest.horizontal_accuracy_measure	Free format in ICIS
GeometricTypeCode	N/A		Ref_geometric_type	icis_facility_interest.geometric_type_code	
HorizontalCollectionMethodCode	Facility Lat/Lon Method of Collection (FLLM)	471	Ref_horizontal_collect_method	icis_facility_interest.horizontal_collection_method_code	Same as PCS but codes may have been added, changed or removed.
HorizontalReferenceDatumCode	Facility Lat/Lon Datum (FLLT)	472	Ref_horizontal_ref_datum	icis_facility_interest.horizontal_ref_datum_code	Same as PCS but codes may have been added, changed or removed.
ReferencePointCode	Facility Lat/Lon Description (FLLD)	475	Ref_reference_point	icis_facility_interest.reference_point_code	Same as PCS but codes may have been added, changed or removed.
SourceMapScaleNumber	Facility Lat/Lon Scale (FLLS)	473		icis_facility_interest.source_map_scale_nmbr	Free format in ICIS
Permit Comments Text	N/A			icis_permit.comment_text	
AffiliationTypeText	N/A		Ref_affiliation_type	xref_facility_interest_address.affiliation_type_code, xref_facility_interest_contact.affiliation_type_code	In ICIS, contacts and addresses are assigned their own set of affiliation type codes to choose from. Batch states must select codes where Affiliation_Catogory = "Non-Government"). Facility contacts and addresses may only have affiliation type codes of LAT, ENG, SOA, SAP, LOA, MAD, PCT, FOC, OPE, OWN, PCA, PMA, ATT, BOP, RES, REA, IFR, AFP, AMA, COF, SCT, CMC, ENC, CAN, LEH, COP.
FirstName	N/A			icis_contact.first_name	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
MiddleName	N/A			icis_contact.middle_name	
LastName	N/A			icis_contact.last_name	
IndividualTitleText	N/A			icis_contact.title	
OrganizationFormalName	Primary Mailing Name (MNAM), Operator Name (ENAM), Owner Name (ONAM), Facility Name (NAM1)			icis_contact.organization_formal_name, icis_address.organization_formal_name	Same as PCS. Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
StateCode	Primary Mailing State (MSTT), Operator Mailing State (ESTT), Owner State (OSTT), Facility Location State (RSTT)		Ref_state	icis_contact.state_code	Same as PCS but codes may have been added, changed or removed. Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
RegionCode	N/A		Ref_region	icis_contact.region_code	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_contact_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	Operator Telephone (ETEL), Owner Telephone (OTEL)			icis_contact_phone.telephone_nmbr	Same as PCS but without parentheses, spaces, dots or dashes. Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN.
TelephoneExtensionNumber	N/A			icis_contact_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_contact_electronic_addr.electronic_address_text	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
StartDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: end_date	
OrganizationDUNSNumber	N/A			icis_address.organization_duns_numbr	
MailingAddressText	Primary Mailing Street 1 (MST1), Operator Street 1 (EST1), Owner Street 1 (OST1), Facility Location Street 1 (RST1)			icis_address.street_address	Same as PCS. Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
SupplementalAddressText	Primary Mailing Street 2 (MST2), Operator Street 2 (EST2), Owner Street 2 (OST2), Facility Location Street 2 (RST2)			icis_address.supplemental_address_text	Same as PCS. Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
MailingAddressCityName	Primary Mailing City (MCTY), Operator City (ECTY), Owner City (OCTY), Facility Location City (RCTY)			icis_address.city	Same as PCS. Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
MailingAddressStateCode	Primary Mailing State (MSTT), Operator State (ESTT), Owner State (OSTT), Facility Location		Ref_state	icis_address.state_code	Same as PCS but codes may have been added, changed or removed. Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	State (RSTT)				refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
MailingAddressZipCode	Primary Mailing Zip Code (MZIP), Operator Zip Code (EZIP), Owner Zip Code (OZIP), Facility Location Zip Code (RZIP)			icis_address.zip	Same as PCS. Primary Mailing refers to affiliation_type_code of MAD, Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN, Facility refers to affiliation_type_code of PMA.
CountyName	N/A			icis_address.county	
MailingAddressCountryCode	N/A		Ref_country	icis_address.country_code	
DivisionName	N/A			icis_address.division_name	
LocationProvince	N/A			icis_address.province	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_address_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	Operator Telephone (ETEL), Owner Telephone (OTEL)			icis_address_phone.telephone_nmbr	Same as PCS but without parentheses, spaces, dots or dashes. Operator refers to affiliation_type_code of OPE, Owner refers to affiliation_type_code of OWN.
TelephoneExtensionNumber	N/A			icis_address_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_address_electronic_addr.electronic_address_text	
StartDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: end_date	

8.4.2 Rules for Parsing State Submitted Unpermitted Facility XML Files

A summary of rules for processing unpermitted facility data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Batch Unpermitted Facility Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

MASS DELETE

- If a Mass Delete transaction has any extra data tags along with the PermitIdentifier tag, those extra tags will be ignored.
- Mass Delete will not delete an unpermitted facility that has one or more enforcement actions, inspections, single event violations or other activities in ICIS.
- Mass Delete of an unpermitted facility will result in a removal of the unpermitted facilty record along with the link to its facility interest record.

NEW

- A new unpermitted facility record will be added along with links to a facility interest record.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.
- If a latitude is provided the longitude must be provided.
- If a longitude is provided the latitude must be provided.

CHANGE

- A Change transaction must have all mandatory tags and at least one optional tag.

- Only the tags that are present in an unpermitted facility's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-mandatory field in ICIS.
- If a latitude is provided the longitude must either be provided or already exist in the ICIS record.
- If a longitude is provided the latitude must either be provided or already exist in the ICIS record.
- Multi-value tags must have all possible values submitted for them (e.g., all Permit contacts) instead of the one that changed in order to avoid removing values unnessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACE

- Any replace transaction for a unpermitted facility that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction (see rules for New above).
- Any replace transaction for an unpermitted facility that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out (see rules for Changes above).
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

8.5 PERMITTED FEATURE MAPPING AND RULES

8.5.1 Permitted Feature Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermittedFeatureIdentifier	Discharge Number (DSCH)			Icis_perm_feature.perm_feature_nmbr	Same as PCS but allows 3 to 4 characters instead of just 3 and 3

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit requirements assigned to their own unique LimitSetDesignators.
PermittedFeatureTypeCode	Outfall Type (OUTT)	780	Ref_permitted_feature_type	icis_perm_feature.perm_feature_type_code	Same as PCS but codes may have been added, changed or removed.
PermittedFeatureCharacteristics	Type of Waste (WAST)	220	Ref_characteristic	xref_perm_feature_character.characteristic_code	Same as PCS but codes may have been added, changed or removed.
PermittedFeatureDescription	Pipe Description (PIPE)			icis_perm_feature.perm_feature_text	Same as PCS.
PermittedFeatureTreatmentTypeCode	Treatment Type (TRET)	190	Ref_treatment_type	xref_perm_feature_treatment.treatment_type_code	Same as PCS but codes may have been added, changed or removed.
PermittedFeatureDesignFlowNumber	N/A				
PermittedFeatureActualAverageFlowNumber	N/A				
PermittedFeatureStateWaterBodyCode	USGS Hydrologic Basin Code (PHBC), Pipe Stream Segment (PSEG)	800, 804		icis_perm_feature.state_water_body	Same as PCS.
PermittedFeatureStateWaterBodyName	Receiving Waters (RWAT)			icis_perm_feature.state_water_body_name	Same as PCS.
PermittedFeatureUserDefinedDataElement1	Regional Pipe Indicator 1 (RDP1)			icis_perm_feature.udf1	Same as PCS.
PermittedFeatureUserDefinedDataElement2	Regional Pipe Indicator 2 (RDP2)			icis_perm_feature.udf2	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
FieldSize	N/A			icis_perm_feature.field_size	
IsSiteOwnByFacility	N/A			icis_perm_feature.owned_by_facility_flag	
IsSystemLinedWithLeachate	N/A			icis_perm_feature.leachate_collection_flag	
DoesUnitHaveDailyCover	N/A			icis_perm_feature.daily_cover_flag	
PopertyBoundaryDistance	N/A			icis_perm_feature.distance_to_boundary	
IsRequiredNitrateGroundWater	N/A			icis_perm_feature.nitrate_monitoring_flag	
WellNumber	N/A			icis_perm_feature.well_nmbr	
LatitudeMeasure	Pipe Latitude (PLAT)			icis_perm_feature_coord.latitude_measure	PCS uses fixed format of hemisphere (+ or -), degrees, minutes, seconds, and tenths of a second (HDDMMSST). ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank. Use the following formula to convert to decimal degrees: Decimal Degrees value = HD.A A = [(M + S.T/60)/60] where A = the decimal part of the number D = degrees M = minutes S = seconds T = tenths of a second
LongitudeMeasure	Pipe Longitude (PLON)			icis_perm_feature_coord.longitude_measure	PCS uses fixed format of hemisphere (+ or -), degrees, minutes, seconds, and tenths of a second (HDDDMMSST). ICIS stores

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					decimal degrees and if Latitude is not blank, Longitude must not be blank. Use the following formula to convert to decimal degrees: Decimal Degrees value = HD.A A = [(M + S.T/60)/60] where A = the decimal part of the number D = degrees M = minutes S = seconds T = tenths of a second
HorizontalAccuracyMeasure	Pipe Lat/Lon Accuracy Code (PLLC)	470		icis_perm_feature_coord.horizontal_accuracy_measure	Free format in ICIS
GeometricTypeCode	N/A		Ref_geometric_type	icis_perm_feature_coord.geometric_type_code	
HorizontalCollectionMethodCode	Pipe Lat/Lon Method of Collection (PLLM)	471	Ref_horizontal_collect_method	icis_perm_feature_coord.horizontal_collect_method_code	Same as PCS but codes may have been added, changed or removed.
HorizontalReferenceDatumCode	Pipe Lat/Lon Datum (PLLT)	472	Ref_horizontal_ref_datum	icis_perm_feature_coord.horizontal_ref_datum_code	Same as PCS but codes may have been added, changed or removed.
ReferencePointCode	Pipe Lat/Lon Description (PLLD)	475	Ref_reference_point	icis_perm_feature_coord.reference_point_code	Same as PCS but codes may have been added, changed or removed.
SourceMapScaleNumber	Pipe Lat/Lon Scale (PLLS)	473		icis_perm_feature_coord.source_map_scale_nmbr	Free format in ICIS
SourcePermittedFeatureDetailText	N/A			icis_perm_feature.source_perm_fea_details	
AffiliationTypeText	N/A		Ref_affiliation_type	xref_permit_feature_contact.affiliation_type_code	In ICIS, contacts and addresses are assigned their own set of affiliation type codes to choose from. Batch

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					states must select codes where Affiliation_Catogory = "Non-Government"). Permitted Features may only have affiliation type code of SOA.
FirstName	Pretreatment Coordinator (COOR)			icis_contact.first_name	Same as PCS but names must be separated out.
MiddleName	Pretreatment Coordinator (COOR)			icis_contact.middle_name	Same as PCS but names must be separated out.
LastName	Pretreatment Coordinator (COOR)			icis_contact.last_name	Same as PCS but names must be separated out.
IndividualTitleText	N/A			icis_contact.title	
OrganizationFormalName	Owner Name (ONAM)			icis_contact.organization_formal_name, icis_address.organization_formal_name	Same as PCS.
StateCode	Owner State (OSTT)		Ref_state	icis_contact.state_code	Same as PCS but codes may have been added, changed or removed.
RegionCode	N/A		Ref_region	icis_contact.region_code	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_contact_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	Owner Telephone (OTEL)			icis_contact_phone.telephone_nmbr	Same as PCS but without parentheses, spaces, dots or dashes.
TelephoneExtensionNumber	N/A			icis_contact_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_contact_electronic_addr.electronic_address_text	
StartDateOfContactAssociati	N/A			Table Name: Varies by module	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
on				Column Name: begin_date	
EndDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: end_date	
OrganizationDUNSNumber	N/A			icis_address.organization_duns_nmbr	
MailingAddressText	Owner Street 1 (OST1)			icis_address.street_address	Same as PCS.
SupplementalAddressText	Owner Street 2 (OST2)			icis_address.supplemental_address_text	Same as PCS.
MailingAddressCityName	Owner City (OCTY)			icis_address.city	Same as PCS.
MailingAddressStateCode	Owner State (OSTT)		Ref_state	icis_address.state_code	Same as PCS but codes may have been added, changed or removed.
MailingAddressZipCode	Owner Zip Code (OZIP)			icis_address.zip	Same as PCS.
CountyName	N/A			icis_address.county	
MailingAddressCountryCode	N/A		Ref_country	icis_address.country_code	
DivisionName	N/A			icis_address.division_name	
LocationProvince	N/A			icis_address.province	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_address_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	Owner Telephone (OTEL)			icis_address_phone.telephone_nmbr	Same as PCS but without parentheses, spaces, dots or dashes.
TelephoneExtensionNumber	N/A			icis_address_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_address_electronic_addr.electronic_address_text	
StartDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: end_date	

8.5.2 Rules for Parsing State Submitted Permitted Feature XML Files

A summary of rules for processing permitted feature data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Batch DMR Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.
- If the PermittedFeatureTypeCode tag contains "WEL" and the IsRequiredNitrateGroundWater contains "Y", the WellNumber tag must be present with data in it.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

MASS DELETE

- If a Mass Delete transaction has any extra data tags along with the PermitIdentifier and PermittedFeatureIdentifier tags, those extra tags will be ignored.
- Mass Delete of a permitted feature will result in a removal of the permitted feature along with all of its limit sets, limits, DMRs, contacts and addresses in ICIS.

DELETE

- If a Delete transaction has any extra data tags along with the PermitIdentifier and PermittedFeatureIdentifier tags, those extra tags will be ignored.
- Deletes cannot be performed on any permitted feature with one or more limit sets. These records must be removed from ICIS first.

NEW

- A new permitted feature record will be added along with any child contact and child address records.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.
- New permitted features cannot be added to Unpermitted Facility records.
- If a latitude is provided the longitude must be provided.
- If a longitude is provided the latitude must be provided.

CHANGE

- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in a permitted feature's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-mandatory field in ICIS.
- If a latitude is provided the longitude must either be provided or already exist in the ICIS record.
- If a longitude is provided the latitude must either be provided or already exist in the ICIS record.
- Blanking out a latitude and longitude also blanks out the REACH ID and Water Body Name.
- Multi-value tags must have all possible values submitted for them (e.g., all Site Owner contacts) instead of the one that changed in order to avoid removing values unnessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACE

- Any replace transaction for a permitted feature that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction (see rules under New above).
- Any replace transaction for a permitted feature that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out (see rules under Changes above).
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

8.6 LIMIT SET MAPPING AND RULES

8.6.1 Limit Set Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermittedFeatureIdentifier	Discharge Number (DSCH)			Icis_perm_feature.perm_feature_nmbr	Same as PCS but allows 3 to 4 characters instead of just 3 and 3 characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit requirements assigned to their own unique LimitSetDesignators.
LimitSetDesignator	Report Designator (DRID)			icis_limit_set.limit_set_designator	Same as PCS but allows to 1 to 2 characters instead of just 1 and 1 character does not require padding of zeroes or spaces on the left or right to make it 2 characters.
LimitSetNameText	Pipe Description (PIPE)			icis_limit_set.limit_set_name	Same as PCS.
DMRPrePrintCommentsText	Pipe Comments 1 – 9 (PIC1, PIC2, PIC3, PIC4, PIC5, PIC6, PIC7, PIC8, PIC9)			icis_limit_set.dmr_comment_text	Same as PCS but concatenated together into one field.
AgencyReviewer	Agency Reviewer (AGYR)			icis_limit_set.agency_reviewer	Same as PCS.
LimitSetUserDefinedDataEle	N/A			icis_limit_set.udf1	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ment1Text					
LimitSetUserDefinedDataElement2Text	N/A			icis_limit_set.udf2	
LimitSetStatusIndicator	N/A			icis_limit_set_status.limit_set_status_id	If LimitSetStatusIndicator is present, LimitSetStatusStartdate must be present and vice versa.
LimitSetStatusStartdate	N/A			icis_limit_set_status.status_begin_date	This date must be on or before the date the batch is processed. If LimitSetStatusIndicator is present, LimitSetStatusStartdate must be present and vice versa. For unscheduled limit sets, this date must be: * on or after the permit's effective date * on or before the permit's exipiration date * on or before the date the batch is processed.
LimitSetReasonText	N/A			icis_limit_set_status.status_change_reason_text	If this tag is present the LimitSetStatusIndicator and LimitSetStatusStartdate tags must also be present.
NumberUnitsReportPeriodInteger	Units in Reporting Period (NRPU)			icis_limit_set_schedule.nmbr_of_report	Must be a whole number between 1 and 60.
NumberSubmissionUnitsInteger	Units in Submission Period (NSUS)			icis_limit_set_schedule.nmbr_of_submission	Must be a whole number between 1 and 60 that is either greater than or equal to NumberUnitsReportPeriodInteger. It also must be evenly divisible by NumberUnitsReportPeriodInteger.
InitialMonitoringDate	Initial Report Date (STRP)			icis_limit_set_schedule.initial_monitoring_date	Same as PCS. Must be on or before the permit's expiration date if it

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					exists. For a scheduled limit set, the earliest InitialMonitoringDate must be the same as the earliest LimitSetStatusStartdate.
InitialDMRDueDate	Initial Submission Date (STSS)			icis_limit_set_schedule.initial_dmr_due_date	Same as PCS. Must be after the calculated initial monitoring period end date.
LimitSetModificationTypeCode	N/A		Ref_modification_type	icis_limit_set.modification_type_code	If LimitSetModificationTypeCode is present, LimitSetModificationEffectiveDate must be present and vice versa.
LimitSetModificationEffectiveDate	N/A			icis_limit_set.modification_effective_date	Must be: * on or after the permit's issuance date * on or before the permit's exipiration date. If LimitSetModificationTypeCode is present, LimitSetModificationEffectiveDate must be present and vice versa.
LimitSetMonthsApplicable	Seasonal DMR Print Indicator (ALLP)			xref_limit_set_month.month_code	PCS has Y or N in a column that represents a particular month, but in ICIS each month being monitored has its own tag with the first three characters of the month's name in caps. If this tag contains "ALL" then ICIS will assume all months are being monitored. If this tag is not provided for a new or replace transaction then all months will be assigned.

8.6.2 Rules for Parsing State Submitted Limit Set XML Files

A summary of rules for processing limit set data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Bacth Limit Set Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes are not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

MASS DELETE

- If a Mass Delete transaction has any extra data tags along with the PermitIdentifier, PermittedFeatureIdentifier and LimitSetDesignator tags, those extra tags will be ignored.
- Mass Delete of a limit set will result in a removal of the limit set along with all of its limits and DMRs in ICIS.

DELETE

- If a Delete transaction has any extra data tags along with the PermitIdentifier, PermittedFeatureIdentifier and LimitSetDesignator tags, those extra tags will be ignored.
- Deletes cannot be performed on any limit set with one or more limits. These records must be removed from ICIS first.

NEW

- A new limit set record will be added along with any child limit set schedule and child limit set status records.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.
- New limit sets cannot be added to Unpermitted Facility records.

- The Initial Monitoring Period End Date is calculated for a scheduled limit set by multiplying the number of reports units by the calendar month, adding the initial monitoring date, then subtracting one day.

CHANGE

- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in a limit set's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-mandatory field in ICIS.
- If a previous limit set status exists and a more recent status is being added, the more recent status must have a start date that is after the previous status start date.
- The Initial Monitoring Period End Date is calculated for a scheduled limit set by multiplying the number of reports units by the calendar month, adding the initial monitoring date, then subtracting one day.
- Multi-value tags must have all possible values submitted for them (e.g., all Limit Set Schedule) instead of the one that changed in order to avoid removing values unnessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACE

- Any replace transaction for a limit set that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction (see rules under New above).
- Any replace transaction for a limit set that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out (see rules under Changes above).
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

8.7 PARAMETER LIMIT AND LIMIT SEGMENT MAPPING AND RULES

8.7.1 Parameter Limit and Limit Segment Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					PCS except for Gulf of Mexico permits: GE is used by Region 4 and GM is used by Region 6.
PermittedFeatureIdentifier	Discharge Number (PLDS)			Icis_perm_feature.perm_feature_nmbr	Same as PCS but allows 3 to 4 characters instead of just 3 and 3 characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit requirements assigned to their own unique LimitSetDesignators.
LimitSetDesignator	Report Designator (PLRD)			Icis_limit_set.limit_set_designator	Same as PCS but allows to 1 to 2 characters instead of just 1 and 1 character does not require padding of zeroes or spaces on the left or right to make it 2 characters.
ParameterCode	Parameter Code (PRAM)	160	Ref_parameter	icis_limit.parameter_code	Same as PCS but many duplicate codes have been reassigned to one code, and conversion factors, unit + parameter groupings have been revised. In ICIS, each quantity has its own unit of measure but if both quantities are submitted with units then each must have the same unit. Also in ICIS, each concentration has its own unit of measure but if two or more concentrations are submitted with units then all must have the same unit.
MonitoringSiteDescriptionCode	Monitoring Location (MLOC)	080	Ref_monitoring_location	icis_limit.monitoring_location_code	Same as PCS but codes may have been added, changed or removed.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
LimitSeasonNumber	Season ID (SEAN)			icis_limit.limit_season_id	Similar to PCS but must be an integer between 0 and 12
LimitStartDate	Limit Start Date (ELSD)			icis_limit.limit_begin_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Limit start date must be earlier than the limit end date.
LimitEndDate	Limit End Date (ELED)			icis_limit.limit_end_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Limit end date must be later than the limit start date.
LimitTypeCode	N/A		Ref_limit_type	Icis_limit.limit_type_code	Default is "ENF" if this tag is not provided and the field is empty in ICIS.
MonthLimitApplies	Seasonal Report Indicator (ALLS)		Ref_month	xref_limit_month.month_code	PCS has Y or N in a column that represents a particular month, but in ICIS each month being monitored has its own tag with the first three characters of the month's name in caps. If this tag contains "ALL" then ICIS will assume all months are being monitored. Default is to use the limit set months if this tag is not provided and no months for the limit exist in ICIS.
SampleTypeText	Sample Type (SAMP)	150	Ref_sample_type	icis_limit.sample_type_code	Same as PCS but codes may have been added, changed or removed.
FrequencyOfAnalysisCode	Frequency of Analysis (FRAN)	050	Ref_frequency_of_analysis	icis_limit.frequency_of_analysis_code	Same as PCS but codes may have been added, changed or removed.
EligibleForBurdenReduction	N/A			icis_limit.burden_reduction_flag	Default is "N" if this tag is not provided and the field is empty in ICIS.
LimitStayTypeCode	Contested Parameter Indicator (CONP)	450	Ref_stay_type	icis_limit.stay_type_code	Same as PCS but codes may have been added, changed or removed. Enforcement action limits cannot have their limits stayed. If this tag is

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					present, the StayStartDate and ReasonForStay tags must also be present or already exist in the ICIS record.
StayStartDate	N/A			icis_limit.stay_begin_date	Enforcement action limits cannot have their limits stayed. This date must be earlier than the Stay End Date and earlier than the date the batch is processed. If this tag is present, the LimitStayTypeCode and ReasonForStay tags must also be present or already exist in the ICIS record.
StayEndDate	N/A			icis_limit.stay_end_date	Enforcement action limits cannot have their limits stayed. This date must be later than the Stay Start Date and later than the date the batch is processed. The CalculateViolationsIndicator must also be present or already exist in the ICIS record.
StayReasonText	N/A			icis_limit.stay_reason_text	Enforcement action limits cannot have their limits stayed. If this tag is present, the LimitStayTypeCode and StayStartDate tags must also be present or already exist in the ICIS record.
CalculateViolationsIndicator	N/A			icis_limit.stay_value_calc_flag	Enforcement action limits cannot have their limits stayed.
EnforcementActionIdentifier				icis_enforcement.enf_identifier	PCS uses a docket number. ICIS uses a unique ID for an enforcement action and the format is SS-xxxxxxxxxxxxxxxx where SS is the state code and xxxxxxxxxxxxxxxx

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					is a unique alphanumeric string between 1 and 17 characters long for an enforcement action that exists in ICIS. When valid data is present, ICIS marks this limit as an Enforcement Action Limit (EAL) instead of a Base Limit. This tag should only be provided for an Enforcement Action Limit. If this tag is present, the FinalOrderIdentifier tag must also be present.
FinalOrderIdentifier	N/A			icis_enf_conclusion.enf_conclusion_nmbr	This tag should only be provided for an Enforcement Action Limit. If this tag is present, the FinalOrderIdentifier tag must also be present or already exist in the ICIS record.
BasisOfLimit	Standard Basis Code (STBA)	130	Ref_basis_of_limit	icis_limit.basis_of_limit_code	Same as PCS but codes may have been added, changed or removed.
LimitModificationTypeCode	N/A		Ref_modification_type	icis_limit.modification_type_code	When valid code is present, ICIS marks this limit as a Permit Modification Limit instead of a Base Limit. This tag should only be provided for a Permit Modification Limit. If this tag is present, the LimitModificationEffectiveDate tag must also be present or already exist in the ICIS record.
LimitModificationEffectiveDate	Limit Start Date (ELSD)			icis_limit.modification_effective_date	Same as PCS but the format for ICIS is ccyy-mm-dd. This tag should only be provided for a Permit Modification Limit. If this tag is present, the

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					LimitModificationTypeCode tag must also be present or already exist in the ICIS record. This date must be on or after the permit's issuance date, on or earlier than the permit's expiration date, and on or before the batch processing date.
LimitsUserDefinedField1	User Defined Field 1 (UDF1)			icis_limit.udf1	Same as PCS.
LimitsUserDefinedField2	User Defined Field 2 (UDF2)			icis_limit.udf2	Same as PCS.
LimitsUserDefinedField3	User Defined Field 3 (UDF3)			icis_limit.udf3	Same as PCS.
ConcentrationNumericConditionUnitMeasureCode	Concentration Unit Code (LCUC)	180	Ref_unit	Icis_limit_value.unit_code	Same as PCS but many duplicate codes have been reassigned to one code, and conversion factors, unit + parameter groupings have been revised. In ICIS, each concentration has its own unit of measure but if two or more concentrations are submitted with units then all must have the same unit. If this tag is present, the NumericConditionStatisticalBaseCode tag must also be present or already exist in the ICIS record
QuantityNumericConditionUnitMeasureCode	Quantity Unit Code (LQUC)	180	Ref_unit	Icis_limit_value.unit_code	Same as PCS but many duplicate codes have been reassigned to one code, and conversion factors, unit + parameter groupings have been revised. In ICIS, each quantity has its own unit of measure but if two quantities are submitted with units then both must have the same unit. If this tag is present, the

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					NumericConditionStatisticalBaseCode tag must also be present or already exist in the ICIS record
NumericConditionText	N/A		Ref_value_type	icis_limit_value.value_type_code	ICIS uses the following codes to denote which PCS quantity or concentration is being reported: LQAV = Q1 LQMX = Q2 LCMN = C1 LCAV = C2 LCMX = C3
NumericConditionQuantity	Concentration Minimum (LCMN), Concentration Maximum (LCMX), Concentration Average (LCAV), Quantity Maximum (LQMX), Quantity Average (LQAV)			icis_limit_value.limit_value_nmbr	Same as PCS but values must be numeric and cannot have an equal, greater than, less than, greater than or equal to, less than or equal to signs with it.
NumericConditionStatistical BaseCode	Concentration Maximum Statistical Base Code (LCXS), Concentration Minimum Statistical Base Code (LCNS), Concentration Average Statistical Base Code (LCAS), Quantity	120	Ref_statistical_base	icis_limit_value.statistical_base_code	Same as PCS but codes may have been added, changed or removed. . If this tag is present, the ConcentrationNumericConditionUnitMeasureCode or QuantityNumericConditionUnitMeasureCode tag must also be present or already exist in the ICIS record, otherwise the NumericConditionQuantity and NumericConditionQualifier tags must not be present or not exist in the

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	Average Statistical Base Code (LQAS), Quantity Maximum Statistical Base Code (LQXS)				ICIS record and the NumericConditionOptionalMonitoringIndicator tag or its field in ICIS must contain "N".
NumericConditionQualifier	Concentration Minimum (LCMN), Concentration Maximum (LCMX), Concentration Average (LCAV), Quantity Maximum (LQMX), Quantity Average (LQAV)		Ref_value_qualifier	icis_limit_value.value_qualifier_code	In PCS, this is part of the value. ICIS stores it separately from the NumericConditionQuantity and NumericConditionAdjustedQuantity values. The allowable codes are: = (equals) < (less than) <= (less than or equal to) > (greater than) >= (greater than or equal to) If you need to change this code in your ICIS data from <, <=, >, >= to be = (equals) instead, you must provide the = (equals) code in the tag within your XML submission file. Default is "<=" for average and max values. Default is ">=" for minimum values.
NumericConditionOptionalMonitoringIndicator	Concentration Minimum (LCMN), Concentration Maximum (LCMX), Concentration Average (LCAV), Quantity Maximum (LQMX), Quantity			icis_limit_value.optional_monitoring_flag	PCS stores OPTMON in the value field, but ICIS requires a Y in this indicator to denote optional monitoring. Default is "N" if this tag is not provided and the field is empty in ICIS. If this tag contains "Y" the NumericConditionQuantity tag cannot be present or must contain an asterisk.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	Average (LQAV)				
NumericConditionStayValue	N/A			Icis_limit_value.stay_value_nmbr	Enforcement action limits cannot have their limits stayed.

8.7.2 Rules for Parsing State Submitted Limit XML Files

A summary of rules for processing parameter limit and single limit data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Batch Limit Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.
- To perform a wholesale replacement (add/change/delete) of all limits for one parameter, use the Parameter Limits Submission XML. To add, change or delete a single limit segment, use the Limits Submission XML.
- If LimitStayTypeCode contains "Z", at least one active Limit Value must exist for the stayed limit. An active Limit Value is one for which the Limit Value record has both a Unit Code and a Statistical Base Code.
- Permit base limits for a given parameter cannot have start and end dates that cause gaps between them or overlaps of each other, and cannot start after the permit's expiration date.
- Permit modification limits for a given parameter cannot have start and end dates that cause gaps between them or overlaps of each other, and cannot start after the permit's expiration date.
- Enforcement action limits for a given parameter may have start and end dates that cause gaps between them or overlaps of each other as long as they are from different enforcement actions.

- An enforcement action limit can only be added if there is at least one permit base limit or permit modification limit for the parameter.
- ICIS is designed to store all limits that are/were in place throughout the life of the permit (e.g., from the time a permit is effective until it is reissued). States with a system that tracks permits from the time a limit is modified and places previous limit information into an historical or archival view when that limit has been modified will need to ensure that the previous limit in ICIS has its end date set to the day before the modification took place and the newly modified limit's start date to be set to the date the modification took place. Otherwise, the newly modified limit will be rejected.
- All ParameterLimitsData and LimitsData parent tags must have PermitIdentifier, PermittedFeatureIdentifier, LimitSetDesignator, ParameterCode, MonitoringSiteDescriptionCode, LimitSeasonNumber, LimitStartDate and LimitEndDate tags.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the *ICIS-NPDES XML Data Exchange Template* for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

DELETES/MASS DELETES

- If a Mass Delete transaction for Parameter Limits has any extra data tags along with the PermitIdentifier, PermittedFeatureIdentifier, LimitSetDesignator, ParameterCode, MonitoringSiteDescriptionCode, LimitSeasonNumber tags, those extra tags will be ignored.
- If a Mass Delete transaction for a Limit Segment has any extra data tags along with the PermitIdentifier, PermittedFeatureIdentifier, LimitSetDesignator, ParameterCode, MonitoringSiteDescriptionCode, LimitSeasonNumber, LimitStartDate and LimitEndDate tags, those extra tags will be ignored.
- Mass Delete of a Parameter Limit will result in the removal of all limits and processed DMRs for that parameter.
- Mass Delete of a Limit Segment will result in the removal of that limit and processed DMRs for that limit.
- Delete of a Limit Segment cannot be performed if the limit has DMRs and/or an effluent trade partner where the received Adjusted DMR values and data cannot be linked to another limit segment with an Effluent Trade Partner.
- Delete and Mass Delete of a Limit Segment cannot be performed on a permit modification or enforcement action limit if it has received DMR values that cannot be linked to another Limit Segment, or if it causes gaps or overlaps among other limits.

NEW

- Only a Limits XML submission can use the New transaction.
- A new limit segment record will be added along with any months monitored.

- A new limit cannot be added if it would result in the orphaning of existing Received DMR data in ICIS.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.
- If a modification type code is provided the modification date must be provided, and the enforcement action identifier and final order identifier must not be provided.
- If an enforcement action identifier is provided the final order identifier must be provided, and the modification type and date must not be provided.

CHANGES

- Only a Limits XML submission can use the Change transaction.
- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in a Limit's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-key field in ICIS.
- Changes cannot be performed if it would result in the orphaning of Received DMR data.
- Multi-value tags must have all possible values submitted for them (e.g., all Month Limit Applies) instead of the one that changed in order to avoid removing values unnessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACES

- Only a Parameter Limits XML submission can use the Replace transaction.
- When a limit already exists in ICIS, any tags that are present in a Replace transaction will be saved to their corresponding fields in ICIS and all other fields in ICIS will be blanked out (see rules for Changes above).
- Any replace transactions for limits that do not already exist in ICIS will result in a record being created containing the data provided in the tags with the replace transactions (see rules for New above).
- Replaces cannot be performed if it results in the orphaning of received Adjusted DMR data through linkage to a Limit segment or through linkage to an Effluent Trade Partner.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

8.8 EFFLUENT TRADE PARTNER MAPPING AND RULES

8.8.1 Effluent Trade Partner Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is used by Region 4 and GM is used by Region 6.
PermittedFeatureIdentifier	Discharge Number (PLDS)			Icis_perm_feature.perm_feature_nmbr	Same as PCS but allows 3 to 4 characters instead of just 3 and 3 characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit requirements assigned to their own unique LimitSetDesignators.
LimitSetDesignator	Report Designator (PLRD)			Icis_limit_set.limit_set_designator	Same as PCS but allows to 1 to 2 characters instead of just 1 and 1 character does not require padding of zeroes or spaces on the left or right to make it 2 characters.
ParameterCode	Parameter Code (PRAM)	160	Ref_parameter	icis_limit.parameter_code	Same as PCS but many duplicate codes have been reassigned to one code, and conversion factors, unit + parameter groupings have been revised. In ICIS, each quantity has its own unit of measure but if both quantities are submitted with units then each must have the same unit. Also in ICIS, each concentration has

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					its own unit of measure but if two or more concentrations are submitted with units then all must have the same unit.
MonitoringSiteDescriptionCode	Monitoring Location (MLOC)	080	Ref_monitoring_location	icis_limit.monitoring_location_code	Same as PCS but codes may have been added, changed or removed.
LimitSeasonNumber	Season ID (SEAN)			icis_limit.limit_season_id	Similar to PCS but must be an integer between 0 and 12
LimitStartDate	Limit Start Date (ELSD)			icis_limit.limit_begin_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Limit start date must be earlier than the limit end date.
LimitEndDate	Limit End Date (ELED)			icis_limit.limit_end_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Limit end date must be later than the limit start date.
TradeID	N/A			icis_limit_trade_partner.trade_id	
LimitModificationEffectiveDate	Limit Start Date (ELSD)			icis_limit.modification_effective_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
TradePartnerNPDESID	N/A			icis_limit_trade_partner.trade_partner_npdes_id	Must be present if Trade Partner Type contains "PS". May be present for all other Trade Partner Types except "BNK". Must not be present if TradePartnerOtherID is present or exists in ICIS.
TradePartnerOtherID	N/A			icis_limit_trade_partner.trade_partner_other_id	Must be present if Trade Partner Type contains "BNK". May be present for all other Trade Partner Types except "PS". Must not be present if TradePartnerNPDESID is present or exists in ICIS.
TradePartnerType	N/A		Ref_trade_partner_type	icis_limit_trade_partner.trade_partner_type_code	This cannot be changed after it has been stored in ICIS.
TradePartnerStartDate	N/A			icis_limit_trade_partner.trade_partner_begin_date	Must be earlier than the Trade Partner End Date.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
TradePartnerEndDate	N/A			icis_limit_trade_partner.trade_partner_end_date	Must be later than the Trade Partner Start Date.
OrganizationFormalName	N/A			icis_limit_trade_partner.organization_formal_name	Must be present if Trade Partner Type = Non-Point Source and Trade Partner Other ID is present or exists in ICIS.
OrganizationDUNSNumber	N/A			icis_limit_trade_partner.organization_duns_nmbr	
LocationName	N/A			icis_limit_trade_partner.location_name	Must be present if Trade Partner Type = Non-Point Source and Trade Partner Other ID is present or exists in ICIS.
MailingAddressText	N/A			icis_limit_trade_partner.street_address	Must be present if Trade Partner Type = Non-Point Source and Trade Partner Other ID is present or exists in ICIS.
SupplementalAddressText	N/A			icis_limit_trade_partner.supplemental_address_text	
MailingAddressCityName	N/A			icis_limit_trade_partner.city	Must be present if Trade Partner Type = Non-Point Source and Trade Partner Other ID is present or exists in ICIS.
MailingAddressCountryCode	N/A		Ref_country	icis_limit_trade_partner.country_code	
LocationProvince	N/A			icis_limit_trade_partner.province	
MailingAddressStateCode	N/A		Ref_state	icis_limit_trade_partner.state_code	Must be present if Trade Partner Type = Non-Point Source and Trade Partner Other ID is present or exists in ICIS.
MailingAddressZipCode	N/A			icis_limit_trade_partner.zip	Must be present if Trade Partner Type = Non-Point Source and Trade Partner Other ID is present or exists in ICIS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
CountyName	N/A			icis_limit_trade_partner.county	
DivisionName	N/A			icis_limit_trade_partner.division_name	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_limit_trade_partner_phone.phone_type_code	
TelephoneNumber	N/A			icis_limit_trade_partner_phone.telephone_nmbr	
TelephoneExtensionNumber	N/A			icis_limit_trade_partner_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_trade_partner_e_address.electronic_address_text	

8.8.2 Rules for Parsing State Submitted Effluent Trade Partner XML Files

A summary of rules for processing effluent trade partner data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Effluent Trade Partner Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.
- Effluent Trade Partners are not allowed for Master General Permits and Unpermitted Facilities.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the *ICIS-NPDES XML Data Exchange Template* for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

MASS DELETES

- If a Mass Delete transaction for an Effluent Trade Partner has any extra data tags along with the PermitIdentifier, PermittedFeatureIdentifier, LimitSetDesignator, ParameterCode, MonitoringSiteDescriptionCode, LimitSeasonNumber tags, LimitStartDate, LimitEndDate, and TradeID, those extra tags will be ignored.
- Mass Delete of an Effluent Trade Partner will result in removal of the record along with links to any limits.
- Mass Delete of an effluent trade partner cannot be performed if it is the only effluent trade partner for a Limit that has a received DMR Adjusted Value.

NEW

- A new effluent trade partner record will be added along with links to the limit specified.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

CHANGES

- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in an Effluent Trade Partner's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-key field in ICIS.
- Multi-value tags must have all possible values submitted for them (e.g., all Telephone Number Type Codes) instead of the one that changed in order to avoid removing values unnessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACES

- When an Effluent Trade Partner already exists in ICIS, any tags that are present in a Replace transaction will be saved to their corresponding fields in ICIS and all other fields in ICIS will be blanked out (see rules for Changes above).
- Any replace transactions for Effluent Trade Partners that do not already exist in ICIS will result in a record being created containing the data provided in the tags with the replace transactions (see rules for New above).
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

8.9 NARRATIVE CONDITION SCHEDULE MAPPING AND RULES

8.9.1 Narrative Condition Schedule Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
NarrativeConditionNumber	N/A			Icis_perm_narrative_condition.narrative_condition_nmbr	Number between 000 and 999.
NarrativeConditionCode	N/A		Ref_narrative_condition	Icis_perm_narrative_condition.narrative_condition_code	
Comments	N/A			Icis_perm_narrative_condition.narrative_condition_text	
ScheduleEventCode	Compliance Schedule Event Code (EVNT)	020	Ref_schedule_event	Icis_perm_schedule_event.schedule_event_code	Same as PCS but many duplicate codes have been reassigned to one code.
ScheduleDate	Compliance Schedule Date (DTSC)			Icis_perm_schedule_event.schedule_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
ScheduleReportReceivedDate	Schedule Report Received Date (DTRC)			Icis_perm_schedule_event.report_received_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
ScheduleActualDate	Schedule Achieved Date (DTAC)			Icis_perm_schedule_event.actual_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
ScheduleProjectedDate	N/A			Icis_perm_schedule_event.projected_date	Format for ICIS is ccyy-mm-dd.
ScheduleUserDefinedDataElement1	Regional Data Element 1 (RDC1)			Icis_perm_schedule_event.udf1	Same as PCS.
ScheduleUserDefinedDataEle	Regional Data			Icis_perm_schedule_event.udf2	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ment2	Element 2 (RDC2)				
ScheduleEventComments	Compliance Schedule Comments (COMM)			Icis_perm_schedule_event.comment_text	Same as PCS.

8.9.2 Rules for Parsing State Submitted Narrative Condition Schedule XML Files

A summary of rules for processing narrative condition and permit schedule data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Narrative Condition and Permit Schedule Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code in ICIS.
- Mass Deletes are applied first and Replaces are applied last.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

REPLACE

- Any replace transaction for a narrative condition that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction to create a new narrative condition record. If there are permit schedule events in the transaction, new permit schedule event records will be created.
- Any replace transaction for a narrative condition that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. If there are permit schedule events in the transaction they will be treated as multi-value tags. Multi-value tags must have all possible values submitted for them (e.g., all Permit Schedule Events) instead of the one that changed in order to avoid removing values unnessarily (refer to Section 3.5.4.1 for details on multi-value tags)

- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

MASS DELETES

- If a Mass Delete transaction for a narrative condition has any extra data tags along with the PermitIdentifier, NarrativeConditionNumber, and NarrativeConditionCode tags, those extra tags will be ignored.
- Mass Delete of a Narrative Condition will result in the removal of permit schedules for that narrative condition.

8.10 HISTORICAL PERMIT SCHEDULE EVENT MAPPING AND RULES

8.10.1 Historical Permit Schedule Event Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermitEffectiveDate	Permit Tracking Achieved Date (PTAC)			icis_permit.effective_date	Use PTAC for PTEV = "P6099 ". The format for ICIS is ccyy-mm-dd.
NarrativeConditionNumber	N/A			Icis_perm_narrative_condition.narrative_condition_nmbr	Number between 000 and 999.
ScheduleEventCode	Compliance Schedule Event Code (EVNT)	020	Ref_schedule_event	Icis_perm_schedule_event.schedule_event_code	Same as PCS but many duplicate codes have been reassigned to one code.
ScheduleDate	Compliance Schedule Date (DTSC)			Icis_perm_schedule_event.schedule_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
ScheduleReportReceivedDate	Schedule Report Received Date			Icis_perm_schedule_event.report_received_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Must be present if ScheduleActualDate exists.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	(DTRC)				
ScheduleActualDate	Schedule Achieved Date (DTAC)			Icis_perm_schedule_event.actual_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Must be on or before the submission date.
ScheduleProjectedDate	N/A			Icis_perm_schedule_event.projected_date	Format for ICIS is ccyy-mm-dd.
ScheduleUserDefinedDataElement1	Regional Data Element 1 (RDC1)			Icis_perm_schedule_event.udf1	Same as PCS.
ScheduleUserDefinedDataElement2	Regional Data Element 2 (RDC2)			Icis_perm_schedule_event.udf2	Same as PCS.
ScheduleEventComments	Compliance Schedule Comments (COMM)			Icis_perm_schedule_event.comment_text	Same as PCS.

8.10.2 Rules for Parsing State Submitted Historical Permit Schedule Event XML Files

A summary of rules for processing historical permit schedule data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Historical Permit Schedule Events Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code in ICIS.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

CHANGES

- A Change transaction will result in a change to data within a permit schedule event record for the previous version of a current permit in ICIS only. A Narrative Condition Schedule Replace transaction must be used to change data for schedule events for the current version of a permit.
- Historical Permit Schedule Events cannot be changed for Master General Permits and Unpermitted Facilities.
- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in an historical permit schedule event Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-key field in ICIS.

8.11 PERMIT TRACKING EVENT MAPPING AND RULES

8.11.1 Permit Tracking Event Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermitTrackingEventCode	Permit Tracking Event Code (PTEV)	110	Ref_perm_track_event	Icis_perm_track_event.permt_trac k_event_code	Same as PCS but many duplicate codes have been reassigned to one code.
PermitTrackingEventDate	Permit Tracking Event Achieved Date (PTAC)			Icis_perm_track_event.track_event _date	Same as PCS but the format for ICIS is ccyy-mm-dd.
PermitTrackingEventComme ntsText	Comments (PTCO)			Icis_perm_track_event.track_event _comment_text	Same as PCS. Must be present for a change transaction.

8.11.2 Rules for Parsing State Submitted Permit Tracking Event XML Files

A summary of rules for processing permit tracking event data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Permit Tracking Event Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.

- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

NEW

- Only non-system generated permit tracking events such as Public Notice Date can use the New transaction. System generated permit tracking events are Permit Issued, Permit Effective, Permit Expiration, Application Received and Application Complete.
- Unpermitted Facilities cannot have permit tracking events.
- A new manual permit tracking event record will be added.
- If an asterisk is used in a tag to blank out the comment field in ICIS it will be ignored.

CHANGES

- Only the comment field of a manual or system generated permit tracking event may be changed with the Change transaction.
- A Change transaction must have all mandatory tags and the comments tag.
- One asterisk may be used in a tag to blank out the comment field in ICIS.

REPLACE

- Any replace transaction for a permit tracking event that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction to create a permit tracking event record (see rules for New above).
- Any replace transaction for a permit tracking event that already exists in ICIS will have its comment data saved to the corresponding comment field in ICIS. To blank out a comment in ICIS, simply omit the comment tag.
- If an asterisk is used in a tag to blank out the comment field in ICIS it will be ignored.

MASS DELETES

- Only a manual permit tracking event may be deleted from ICIS with the Mass Delete transaction.
- If a Mass Delete transaction for a permit tracking event has the comment tag along with the PermitIdentifier, PermitTrackingEventCode, and PermitTrackingEventDate tags it will be ignored.

8.12 PERMIT REISSUANCE MAPPING AND RULES

8.12.1 Permit Reissuance Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermitIssueDate	Permit Tracking Achieved Date (PTAC)			icis_permit.issue_date	Use PTAC for PTEV = "P4099 ". The format for ICIS is ccyy-mm-dd.
PermitEffectiveDate	Permit Tracking Achieved Date (PTAC)			icis_permit.effective_date	Use PTAC for PTEV = "P6099 ". The format for ICIS is ccyy-mm-dd. This date must be after the date of the ICIS permit being reissued and cannot be changed once it is reported to ICIS.
PermitExpirationDate	Permit Tracking Achieved Date (PTAC)			icis_permit.expiration_date	Use PTAC for PTEV = "P5099 ". The format for ICIS is ccyy-mm-dd. This date cannot be more than 5 years after the date in the PermitEffectiveDate tag and cannot be changed once it is reported to ICIS.

8.12.2 Rules for Parsing State Submitted Permit Reissuance XML Files

A summary of rules for processing permit reissuance data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Permit Reissuance Technical Specification document.

OVERALL

- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

CHANGES

- Unpermitted facilities and permits that are pending, terminated or have a status of "Not Needed" are not allowed to be reissued in ICIS.
- The reissued permit's effective date cannot be on or before the effective date of the ICIS permit being reissued.
- The reissued permit's expiration date cannot be more than 5 years after the permit's effective date.
- The permit is reissued and all permitted features, limit sets, limits and narrative conditions from the previous permit are not copied to the newly reissued permit.
- The permit will not be reissued if any DMRs exist in ICIS with monitoring period end date that is after the permit's effective date.

8.13 PERMIT TERMINATION MAPPING AND RULES

8.13.1 Permit Termination Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermitTerminationDate	N/A			icis_permit.termination_date	Must be on or after the permit's effective date, and on or before the submission date.

8.13.2 Rules for Parsing State Submitted Permit Termination XML Files

A summary of rules for processing permit termination data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Permit Termination Technical Specification document.

OVERALL

- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

CHANGES

- Only a permit marked as NPDES Individual Permit, Individual IU Permit (Non-NPDES), Individual State Issued Permit (Non-NPDES), Associated Permit Record or General Permit Covered Facility may be terminated.
- Only a permit with a status of effective, expired or administratively continued may be terminated.
- Once a permit is terminated in ICIS it cannot be edited or deleted.
- A permit cannot be terminated if it has Unsubmitted DMRs.
- When a permit is terminated in ICIS its compliance tracking status records and violations after the termination date are removed, any outstanding Expected DMRs that are dated after the Permit Termination Date are deleted, and a new Permit Termination Permit Tracking Event is created.

8.14 DISCHARGE MONITORING REPORT MAPPING AND RULES

8.14.1 Discharge Monitoring Report Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number			Icis_permit.external_permit_nmbr	Must have postal code as the first 2

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	(NPID)				characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is used by Region 4 and GM is used by Region 6.
PermittedFeatureIdentifier	Discharge Number (VDSC)			Icis_perm_feature.perm_feature_nmbr	Same as PCS but allows 3 to 4 characters instead of just 3 and 3 characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit requirements assigned to their own unique LimitSetDesignators.
LimitSetDesignator	Report Designator (VDRD)			Icis_limit_set.limit_set_designator	Same as PCS but allows to 1 to 2 characters instead of just 1 and 1 character does not require padding of zeroes or spaces on the left or right to make it 2 characters.
MonitoringPeriodEndDate	Monitoring Period End Date (MVDT)			Icis_dmr_event.monitoring_period_end_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
SignatureDate	N/A			Icis_dmr.signature_date	
PrincipalExecutiveOfficerFirstName	N/A			Icis_dmr.executive_officer_first_name	
PrincipalExecutiveOfficerLastName	N/A			Icis_dmr.executive_officer_last_name	
PrincipalExecutiveOfficerTitle	N/A			Icis_dmr.executive_officer_title	
PrincipalExecutiveOfficerTelephone	N/A			Icis_dmr.executive_officer_phone	
SignatoryFirstName	N/A			Icis_dmr.signatory_first_name	
SignatoryLastName	N/A			Icis_dmr.signatory_last_name	
SignatoryTelephone	N/A			Icis_dmr.signatory_phone	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ReportCommentText	N/A			Icis_dmr.dmr_comment_text	
DMRNoDischargeIndicator	Pipe No Data Reason Code (NODI)	490	Ref_nodi	Icis_dmr_value.nodi_code	Same as PCS for the entire outfall only except new codes have been added and a flag has been added to each code for whether to generate a violation or not.
DMRNoDischargeReceivedDate	DMR Received Date (DMRR)			Icis_dmr_value.value_received_date	Same as PCS for the entire outfall except but the format for ICIS is ccyy-mm-dd and this date is only provided if the DMRNoDischargeIndicator tag is being/has been used.
ParameterCode	Parameter Code (VPRM)	160	Ref_parameter	Icis_limit.parameter_code	Same as PCS but a few duplicate codes have been reassigned to one code and unit + parameter groupings have been revised.
MonitoringSiteDescriptionCode	Monitoring Location Code (VMLO)	80	Ref_monitoring_location	Icis_limit.monitoring_location_code	Same as PCS except special characters (not A-Z or 0-9) in PCS are now 2 character codes in ICIS.
LimitSeasonNumber	Season (SEAN)			Icis_limit.limit_season_id	Same as PCS except must be a whole number between -1 and 12. If -1 is present, ICIS will default with the limit's season ID.
ReportSampleTypeText	Reported Sample Type (RSAM)	150	Ref_sample_type	Icis_dmr_parameter.sample_type_code	Same as PCS.
ReportingFrequencyCode	Reported Frequency of Analysis (RFRQ)	50	Ref_frequency_of_analysis	Icis_dmr_parameter.frequency_of_analysis_code	Same as PCS.
ReportNumberOfExcursions	Reported Number of Excursions (REXC)			Icis_dmr_parameter.reported_excursion_nmbr	Same as PCS but must be numeric in ICIS.
QuantityNumericReportUnitMeasureCode	Quantity Unit of Measure (RUNT)	180	Ref_unit	Icis_dmr_value.unit_code	Same as PCS but many duplicate codes have been reassigned to one code, and conversion factors, unit +

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					parameter groupings have been revised. In ICIS, each reported quantity has its own unit of measure but if both quantity values are reported with units then each must have the same unit. ICIS will default to the quantity's limit unit if this tag is missing for an initial report or replace transaction.
ConcentrationNumericReport UnitMeasureCode	Concentration Unit of Measure (RCUN)	180	Ref_unit	Icis_dmr_value.unit_code	Same as PCS but many duplicate codes have been reassigned to one code, and conversion factors, unit + parameter groupings have been revised. In ICIS, each reported quantity has its own unit of measure but if multiple concentration values are reported with units then each must have the same unit. ICIS will default to the concentration's limit unit if this tag is missing for an initial report or replace transaction.
NumericReportCode	MQAV, MQMX, MCMN, MCAV, MCMX			Icis_dmr_form_value.value_type_ code	ICIS uses the following codes to denote which PCS quantity or concentration is being reported: MQAV = Q1 MQMX = Q2 MCMN = C1 MCAV = C2 MCMX = C3
NumericReportNoDischargeI ndicator	Pipe No Data Reason Code (NODI)	490	Ref_nodi	Icis_dmr_value.nodi_code	Same as PCS for the quantity or concentration only except new codes have been added and a flag has been added to each code for whether the NODI is valid (no violations

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					generated) or invalid (violations generated). There is no NODI in ICIS for all quantities and concentrations for a given parameter.
NumericReportReceivedDate	DMR Received Date (DMRR)			Icis_dmr_value.value_received_date	Same as PCS for the quantity or concentration only but the format for ICIS is ccyy-mm-dd. There is no DMRR in ICIS Batch for all quantities and concentrations for a given parameter.
NumericConditionQuantity	MQAV, MQMX, MCMN, MCAV, MCMX			Icis_dmr_value.dmr_value_nmbr	Same as PCS but values must be numeric and cannot have an E or T in it nor have an equal, greater than, less than, greater than or equal to, less than or equal to signs with it.
NumericConditionAdjustedQuantity	N/A			Icis_dmr.adjusted_dmr_value_nmbr	Same as PCS but values must be numeric and cannot have an E or T in it nor have an equal, greater than, less than, greater than or equal to, less than or equal to signs with it.
NumericConditionQualifier	MQAV, MQMX, MCMN, MCAV, MCMX			Icis_dmr_value.value_qualifier_code	ICIS treats this field as a prefix to or substitution for NumericConditionQuantity and NumericConditionAdjustedQuantity values. The allowable codes are: = (equals – this is the default code value) < (less than) > (greater than) E (estimated) T (too numerous to count) * If you need to change this code in your ICIS data from <, >, E or T to

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					be = (equals) instead, you must provide the = (equals) code in your XML file
PollutantMetForLandApplication	N/A			Icis_dmr_land.pollutant_table_code	
PathogenReductionIndicator	N/A			Icis_dmr_land.pathogen_certified_flag, Icis_dmr_surface.pathogen_certified_flag	
VectorReductionIndicator	N/A			Icis_dmr_land.vector_attraction_flag, Icis_dmr_surface.vector_attraction_flag	
AgronomicGallonsRateForField	N/A			Icis_dmr_land.agronomic_rate_gallon	
AgronomicDMRRateForField	N/A			Icis_dmr_land.agronomic_rate_dmt	
ClassAAlternativeUsed	N/A			Icis_dmr_land.class_a_alternative_used_code, Icis_dmr_surface.class_a_alternative_used_code	
ClassAAlternativesText	N/A			Icis_dmr_land.class_a_alternative_detail, Icis_dmr_surface.class_a_alternative_detail	
ClassBAlternativeUsed	N/A			Icis_dmr_land.class_b_alternative_used_code, Icis_dmr_surface.class_b_alternative_used_code	
ClassBAlternativesText	N/A			Icis_dmr_land.class_b_alternative_detail, Icis_dmr_surface.class_b_alternative_detail	
VARAlternativeUsed	N/A			Icis_dmr_land.var_alternative_use	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				d_code, Icis_dmr_surface.var_alternative_used_code	
VARAlternativesText	N/A			Icis_dmr_land.var_alternative_detail, Icis_dmr_surface.var_alternative_detail	
CropTypesPlanted	Sludge Outfall Crop Type (SLCT)	770	Ref_crop_type	Xref_dmr_land_plant_crop_type.plant_crop_type_code	Same as PCS but codes may have been added, changed or removed.
CropTypesHarvested	Sludge Outfall Crop Type (SLCT)	770	Ref_harvest_crop_type	Xref_dmr_land_harvest_crop_type.harvest_crop_type_code	Same as PCS but codes may have been added, changed or removed.
ManagementPracticesIndicator	N/A			Icis_dmr_surface.met_management_practice_flag	
CertificationStatementIndicator	N/A			Icis_dmr_surface.certified_management_practice	
CertifierFirstName	N/A			Icis_dmr_surface.certifier_first_name	
CertifierLastName	N/A			Icis_dmr_surface.certifier_last_name	
BerylliumComplianceIndicator	N/A			Icis_dmr_incinerator.compliance_beryllium_flag	
MercuryComplianceIndicator	N/A			Icis_dmr_incinerator.compliance_mercury_flag	
Part258ComplianceIndicator	N/A			Icis_dmr_co_disp.compliance_part_258_flag	
PaintFilterTestResults	N/A			Icis_dmr_co_disp.paint_filter_test_flag	
TCLPTestResults	N/A			Icis_dmr_co_disp.tclp_test	

8.14.2 Rules for Parsing State Submitted DMR XML Files

A summary of rules for processing DMR data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Batch dmr Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.
- A form level NODI (NODI for all of a permitted feature's parameters) cannot be submitted within the same DMR XML file as data for one or more of these parameters. Instead, submit the form level NODI first then submit another XML file with the parameter data after the form level NODI has been processed by ICIS.
- A permitted feature that has parameter data with auxiliary data is counted as having two or more transactions – one for the auxiliary data and one for each parameter.
- All DischargeMonitoringReportData parent tags must have PermitIdentifier, PermittedFeatureIdentifier, LimitSetDesignator, and MonitoringPeriodEndDate tags.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

MASS DELETES

- If a Mass Delete transaction has any extra data tags along with the PermitIdentifier, PermittedFeatureIdentifier, LimitSetDesignator, and MonitoringPeriodEndDate tags, those extra tags will be ignored.
- Mass Delete of a scheduled DMR will result in a blank DMR record in ICIS. Mass Delete of an unscheduled DMR will result in removal of the record from ICIS.
- Mass Deletes cannot be performed on any DMRs associated with a program report in ICIS. The link between the DMR and the program report and the DMR must be removed first.

CHANGES

- A Change transaction must have all mandatory tags and at least one optional tag.

- Only the tags that are present in a DMR's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- Any change transactions for unscheduled DMRs that do not already exist in ICIS will result in a record being created containing the data provided in the tags with the change transactions.
- One asterisk must be used in a tag to blank out a non-key field in ICIS.
- Asterisks cannot be used to blank out an entire DMR record if the DMR record is associated with a program report in ICIS. The link between the DMR and the program report and the DMR must be removed first.
- Asterisks used to blank out an entire scheduled DMR record that is not associated with a program report in ICIS results in an empty record in ICIS.
- Asterisks used to blank out an entire unscheduled DMR record that is not associated with a program report in ICIS results in the record being removed from ICIS.
- Auxiliary data for a permitted feature can only be changed if there is a DMR received date for at least one parameter in ICIS or submitted with the auxiliary data. Asterisks cannot be used to blank out all of an outfall's parameters plus change data in one or more auxiliary fields.
- Form level NODI codes that exist in ICIS can only be blanked out if its NODI tag and associated date tag are submitted with asterisks and no other parameter and quantity/concentration tags containing data are submitted at the same time. A form level NODI tag and its associated date tag cannot contain asterisks if its ICIS record already has parameter or quantity/concenteration value data other than NODI codes in its fields. These fields must be blanked out first.
- Quantity or concentration level NODI codes that exist in ICIS can only be blanked out if its NODI flag and associated date tags are submitted with asterisks and no other quantity/concentration tags containing value data are submitted at the same time.
- Multi-value tags must have all possible values submitted for them (e.g., all Crop Types Planted) instead of the one that changed in order to avoid removing values unnessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACES

- For one parameter in an outfall, any tags that are present in a Replace transaction will be saved to their corresponding fields in ICIS and all other of the outfall's fields in ICIS will be blanked out for that parameter only.
- To blank out an entire parameter, submit a Replace transaction with only the PermitIdentifier, PermittedFeatureIdentifier, LimitSetDesignator and MonitoringPeriodEndDate along with that parameter's mandatory tags (ParameterCode, MonitoringSiteDescriptionCode, LimitSeasonNumber).

- If no auxiliary tags are present in a Replace transaction the auxiliary data will remain in ICIS. If one or more auxiliary tags are present in a Replace transaction then any tags that are present in a Replace transaction will be saved to their corresponding fields in ICIS and all other of the auxiliary data fields in ICIS will be blanked out.
- Any replace transactions for unscheduled DMRs that do not already exist in ICIS will result in a record being created containing the data provided in the tags with the replace transactions.
- One asterisk must be used in a tag to blank out a non-key field in ICIS.
- Asterisks cannot be used to blank out an entire DMR record if the DMR record is associated with a program report in ICIS. The link between the DMR and the program report and the DMR must be removed first.
- Asterisks used to blank out an entire scheduled DMR record that is not associated with a program report in ICIS results in an empty record in ICIS.
- Asterisks used to blank out an entire unscheduled DMR record that is not associated with a program report in ICIS results in the record being removed from ICIS.
- Auxiliary data for a permitted feature can only be changed if there is a DMR received date for at least one parameter in ICIS or submitted with the auxiliary data. Asterisks cannot be used to blank out all of a permitted feature's parameters plus change data in one or more auxiliary fields.
- Form level NODI codes that exist in ICIS can only be blanked out if its NODI tag and associated date tag are submitted with asterisks and no other parameter and quantity/concentration tags containing value data are submitted at the same time.
- Quantity or concentration level NODI codes that exist in ICIS can only be blanked out if its NODI flag and associated date tags are submitted with asterisks and no other quantity/concentration tags containing value data are submitted at the same time.
- Multi-value tags must have all possible values submitted for them (e.g., all Site Owner contacts) instead of the one that changed in order to avoid removing values unnessarily (refer to Section 3.5.4.1 for details on multi-value tags).

8.15 DISCHARGE MONITORING REPORT VIOLATION MAPPING AND RULES

8.15.1 Discharge Monitoring Report Violation Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is used by Region 4 and GM is used by Region 6.
PermittedFeatureIdentifier	Discharge Number (VDSC)			Icis_perm_feature.perm_feature_nmbr	Same as PCS but allows 3 to 4 characters instead of just 3 and 3 characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit requirements assigned to their own unique LimitSetDesignators.
LimitSetDesignator	Report Designator (VDRD)			Icis_limit_set.limit_set_designator	Same as PCS but allows to 1 to 2 characters instead of just 1 and 1 character does not require padding of zeroes or spaces on the left or right to make it 2 characters.
MonitoringPeriodEndDate	Monitoring Period End Date (MVDT)			Icis_dmr_event.monitoring_period_end_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
ParameterCode	Parameter Code (VPRM)	160	Ref_parameter	Icis_limit.parameter_code	Same as PCS but a few duplicate codes have been reassigned to one code and unit + parameter groupings have been revised.
MonitoringSiteDescriptionCode	Monitoring Location Code (VMLO)	80	Ref_monitoring_location	Icis_limit.monitoring_location_code	Same as PCS except special characters (not A-Z or 0-9) in PCS are now 2 character codes in ICIS.
LimitSeasonNumber	Season (SEAN)			Icis_limit.limit_season_id	Same as PCS except must be a whole number between -1 and 12. If -1 is present, ICIS will default with the limit's season ID.
NumericReportCode	MQAV, MQMX,			Icis_dmr_form_value.value_type_	ICIS uses the following codes to

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	MCMN, MCAV, MCMX			code	denote which PCS quantity or concentration is being reported: MQAV = Q1 MQMX = Q2 MCMN = C1 MCAV = C2 MCMX = C3
NumericReportViolationCode	Measurement Violation Code (MVIO)		Ref_violation	icis_npdes_violation.violation_code	Use "E" for effluent DMR violation or "D" for DMR Non-Receipt violation.
ReportableNonComplianceDetectionCode	RNC Detection Code (SNCE)	195	Ref_rnc_detection	icis_npdes_violation.rnc_detection_code	Same as PCS but codes may have been added, changed or removed. Code must have rnc_detection_code_entry_flag = M in the REF_RNC_DETECTION table.
ReportableNonComplianceDetectionDate	RNC Detection Date (SNDE)			icis_npdes_violation.rnc_detection_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Must be between the single event violation date and the submission date.
ReportableNonComplianceResolutionCode	RNC Resolution Code (SRCE)	390	Ref_rnc_resolution	icis_npdes_violation.rnc_resolution_code	Same as PCS but codes may have been added, changed or removed. Code must have rnc_resolution_code_entry = Manual) in the REF_RNC_RESOLUTION table
ReportableNonComplianceResolutionDate	RNC Resolution Date (SRDE)			icis_npdes_violation.rnc_resolution_date	Same as PCS but the format for ICIS is ccyy-mm-dd.

8.15.2 Rules for Parsing State Submitted DMR Violation XML Files

A summary of rules for processing DMR violation data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Batch DMR and Schedule Event Violation Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- All DischargeMonitoringReportData parent tags must have PermitIdentifier, PermittedFeatureIdentifier, LimitSetDesignator, MonitoringPeriodEndDate, ParameterCode, MonitoringSiteDescriptionCode, LimitSeasonNumber, NumericReportCode and NumericReportViolationCode tags.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

CHANGES

- Any tags that are present in a Change transaction will be saved to their corresponding fields in ICIS.
- One asterisk may be used in a tag to blank out that field in ICIS.
- One or more optional tags must be present. If RNC Detection Code exists, then all RNC data elements must exist.
- For DMR Non-Receipt Violation (i.e., Numeric Report Violation Code = D) transactions, users can edit the RNC Resolution Code and the RNC Resolution Date, but cannot edit the RNC Detection Code or RNC Detection Date.
- For Effluent DMR Violation (i.e., Numeric Report Violation Code = E) transactions, users can edit all four of the RNC data elements. If the RNC Detection Code in ICIS was previously an automatic code (rnc_detection_code_entry_flag = A) the Detection code and date cannot be changed. RNC Detection Code must be a valid manual code (rnc_detection_code_entry_flag = M) in the REF_RNC_DETECTION_TABLE or must be the same as the previously existing automatic code in ICIS. Valid manual Effluent Violations have a detection_type_code = TRC, EFF, or CHR and valid manual Single Event Violations have a detection_type_code = DIS. RNC Detection Date must be between the measurement violation date and the current date. If RNC Detection Code is manual (rnc_detection_entry_code_flag = M), then RNC Resolution Code must be valid (i.e. Active) and must be a manual code (rnc_resolution_code_entry = Manual) in the REF_RNC_RESOLUTION table.

- If RNC Detection Code is automatic (rnc_detection_entry_code_flag = A), then RNC Resolution Code must be valid (i.e. Active), must be a manual code (rnc_resolution_code_entry = Manual) or must be the automatic code of 1 (NC - Unresolved RNC), and cannot = A (NC - Manual Unresolved RNC) in the REF_RNC_RESOLUTION table.
- If RNC Resolution Code equals A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then RNC Resolution Date must equal the RNC Detection Date. If RNC Resolution Code does not equal A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then RNC Resolution Date must be between the RNC Detection Date and the current date.
- If -1 is submitted for the Limit Season Number for a DMR Non-Receipt or Effluent Violation, ICIS will edit the Violation only if one Violation exists for the DMR Violation key data submitted excluding Limit Season Number and Numeric Report Violation Code: Permit Identifier, Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, and Numeric Report Code.

8.16 DISCHARGE MONITORING REPORT LINKAGE MAPPING AND RULES

8.16.1 Discharge Monitoring Report Linkage Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermittedFeatureIdentifier	Discharge Number (VDSC)			Icis_perm_feature.perm_feature_nmbr	Same as PCS but allows 3 to 4 characters instead of just 3 and 3 characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit requirements assigned to their own

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					unique LimitSetDesignators.
LimitSetDesignator	Report Designator (VDRD)			Icis_limit_set.limit_set_designator	Same as PCS but allows to 1 to 2 characters instead of just 1 and 1 character does not require padding of zeroes or spaces on the left or right to make it 2 characters.
MonitoringPeriodEndDate	Monitoring Period End Date (MVDT)			Icis_dmr_event.monitoring_period_end_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
LinkageBiosolidsReport					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
ReportCoverageEndDate	Date of Inspection (DTIN)			icis_prog_rpt_biosolid.rpt_coverage_end_date	Same as PCS. The format for ICIS is ccyy-mm-dd.
LinkageSWEventReport					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
DateStormEventSampled	N/A			icis_prog_rpt.report_date	
CSOEventID				Icis_prog_rpt.program_report_nmbr	

8.16.2 Rules for Parsing EPA Submitted Discharge Monitoring Report Linkage XML Files

A summary of rules for discharge monitoring report linkage data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Discharge Monitoring Report Linkage Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first and Replaces are applied last.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

REPLACE

- Only one activity can be linked to a DMR record at a time.
- If the DMR record is not already linked to the program report it will be linked.
- If the DMR record is already linked to the program report the transaction will be accepted.

MASS DELETE

- Only one program report can be deleted from a DMR record at a time.
- Mass Delete of a Discharge Monitoring Report Linkage will result in only the removal of a linkage to program report from the DMR record in ICIS. The DMR record and the program report record it was linked to will continue to exist in ICIS.

8.17 STATE COMPLIANCE MONITORING MAPPING AND RULES

8.17.1 State Compliance Monitoring Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number			Icis_permit.external_permit_nmbr	Must have postal code as the first 2

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	(NPID)				characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
ComplianceMonitoringCategoryCode	Inspection Type (TYPI)	280	Ref_comp_monitor_category	icis_comp_monitor.comp_monitor_category_code	Codes have been reassigned to generate compliance inspection type, compliance monitoring category, program codes.
ComplianceMonitoringDate	Inspection Date (DTIN), Pretreatment Inspection Date (DTIA)			icis_activity.actual_end_date	Same as PCS. The format for ICIS is ccyy-mm-dd.
ComplianceInspectionTypeCode	Inspection Type (TYPI)	280	Ref_comp_monitor_type	xref_comp_monitor_comp_m_type.comp_monitor_type_code	Codes have been reassigned to generate compliance inspection type, compliance monitoring category, program codes.
ComplianceMonitoringStartDate	N/A			icis_activity.actual_begin_date	
ComplianceMonitoringActivityName	N/A			icis_activity.activity_name	
BiomonitoringInspectionMethod	Biomonitoring Inspection Method Code (BIOM)	260	Ref_biomonitoring_method	Icis_comp_monitor.biomonitoring_method_code	Same as PCS but codes may have been added, changed or removed. Must be present if ComplianceInspectionTypeCode contains “CBI”.
ComplianceMonitoringActionReasonCode	N/A		Ref_activity_purpose	xref_activity_purpose.activity_purpose_code	At least one code must exist in ICIS.
ComplianceMonitoringAgencyTypeCode	Inspector Code (INSP)	290	Ref_agency_type	xref_activity_agency_type.agency_type_code	Same as PCS but codes may have been added, changed or removed.
ComplianceMonitoringAgencyCode	Inspector Code (INSP)	290	Ref_agency	icis_comp_monitor.agency_code	Codes have been reassigned to derive agency type, lead party, state federal joint indicator, EPA assistance

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					indicator
ProgramCode	Inspection Type (TYPI)	280	Ref_program	xref_activity_program.program_code	Codes have been reassigned to derive compliance inspection type, compliance monitoring category, program codes.
EPAAssistanceIndicator	Inspector Code (INSP)	290		icis_activity.epa_assist_flag	PCS codes have been reassigned to derive agency type, lead party, state federal joint indicator, EPA assistance indicator. Must be present if the Compliance Monitoring Agency Type is not "EPA".
StateFederalJointIndicator	Inspector Code (INSP)	290		Icis_comp_monitor.joint_inspection_flag	Codes have been reassigned to derive agency type, lead party, state federal joint indicator, EPA assistance indicator
JointInspectionReasonCode	N/A		Ref_joint_inspection_purpose	icis_comp_monitor.joint_inspection_purpose_code	Must be present when StateFederalJointIndicator contains "J".
LeadParty	Inspector Code (INSP)	290		icis_comp_monitor.joint_lead_flag	PCS codes have been reassigned to derive agency type, lead party, state federal joint indicator, EPA assistance indicator. Must exist if State Federal Joint Indicator = "J"
NumberDaysPhysicallyConductingActivity	N/A			icis_comp_monitor.nmbr_of_day	
NumberHoursPhysicallyConductingActivity	Inspection Preprocessing (PRHR), Inprocessing (INHR) , Postprocessing (POHR) Hours			icis_comp_monitor.nmbr_of_day	Summation of pre, in and post processing hours.
ComplianceMonitoringActio	N/A		Ref_activity_out	icis_comp_monitor.activity_outco	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
nOutcomeCode			come	me_code	
InspectionRatingCode	N/A		Ref_insp_rating	icis_comp_monitor.insp_rating_code	
NationalPrioritiesCode	N/A		Ref_priority	xref_activity_priority.priority_code	Must be a valid code with a Region_Code = "HQ" in the ref_priority table
MultimediaIndicator	N/A			icis_activity.multimedia_flag	
InspectionUserDefined Field1	N/A			icis_regional_data.string1	
FederalFacilityIndicator	N/A		Ref_cross_media_indicator	icis_activity_cross_media.fed_facility_indicator_code	
FederalFacilityIndicatorComment	N/A			icis_activity_cross_media.fed_facility_comment	
InspectionUserDefined Field2	N/A			icis_regional_data.string2	
InspectionUserDefined Field3	N/A			icis_regional_data.string3	
InspectionUserDefined Field4	N/A			icis_regional_data.date1	
InspectionUserDefined Field5	N/A			icis_regional_data.date2	
InspectionUserDefined Field6	N/A			icis_regional_data.string4	
InspectionCommentText	Inspection Comment Text (ICOM)			icis_activity_comment.comment_text	Same as PCS.
StateStatuteViolatedName	N/A			icis_comp_monitor.state_statute_text	
CAFOClassificationCode	N/A		Ref_cafo_classification	icis_comp_monitor.cafo_classification_code	Must be present if IsAnimalFacilityTypeCAFOIndicator contains "Y".

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
IsAnimalFacilityTypeCAFOIndicator	N/A			icis_comp_monitor_cafo.cafo_flag	
CAFODesignationDate	N/A			icis_comp_monitor_cafo.designation_date	Must be present if IsAnimalFacilityTypeCAFOIndicator contains "Y", and must be on or before the date of the submission.
CAFODesignationReasonText	N/A		Ref_cafo_reason	icis_comp_monitor_cafo.cafo_reason_code	Must be present if IsAnimalFacilityTypeCAFOIndicator contains "Y" and CAFOClassificationCode contains "S".
DischargesDuringYearProductionAreaIndicator	N/A		Ref_cafo_authorized_discharge	icis_comp_monitor_cafo.authorized_discharge_code	
AnimalTypeCode	N/A		Ref_animal_type	icis_comp_mon_cafo_animal_type.animal_type_code	For each Animal Type entered, Open Confinement Count plus Housed Under Roof Confinement Count must = Total Number
OtherAnimalTypeName	N/A			icis_comp_mon_cafo_animal_type.animal_type_other	Must be present only when AnimalType contains "OTH".
TotalNumberEachLivestock	N/A			icis_comp_mon_cafo_animal_type.total_nmbr	Must be present for each animal type.
OpenConfinementCount	N/A			icis_comp_mon_cafo_animal_type.open_confinement_count	
HousedUnderRoofConfinementCount	N/A			icis_comp_mon_cafo_animal_type.under_roof_confinement_count	
ManureLitterProcessedWastewaterStorageType	N/A		Ref_storage_type	icis_comp_monitor_cafo_storage.storage_type_code	For each "Manure, Litter, and Processed Wastewater Storage Type" entered, Storage Total Capacity Measure and Days of Storage must exist.
OtherStorageTypeName	N/A			icis_comp_monitor_cafo_storage.storage_type_other	Must be present only when ManureLitterProcessedWastewaterSt

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					orageType contains “OTH”.
StorageTotalCapacityMeasure	N/A			icis_comp_monitor_cafo_storage.total_capacity_measure	
DaysOfStorage	N/A			icis_comp_monitor_cafo_storage.days_of_storage	
ContainmentTypeCode	N/A		Ref_containment_type	icis_comp_mon_cafo_containment.containment_type_code	For each Containment Type entered, Total Capacity must exist.
OtherContainmentTypeName	N/A			icis_comp_mon_cafo_containment.containment_type_other	Must be present only when ContainmentTypeCode contains “OTH”.
ContainmentCapacityNumber	N/A			icis_comp_mon_cafo_containment.containment_capacity	
NumberAcresContributingDrainage	N/A			icis_comp_monitor_cafo.nmbr_of_acres_drainage	
ApplicationMeasureAvailableLandNumber	N/A			icis_comp_monitor_cafo.land_available	
SolidManureLitterGeneratedAmount	N/A			icis_comp_monitor_cafo.solid_manure_generated_amt	
LiquidManureWastewaterGeneratedAmount	N/A			icis_comp_monitor_cafo.liquid_manure_generated_amt	
SolidManureLitterTransferAmount	N/A			icis_comp_monitor_cafo.solid_manure_transferred_amt	
LiquidManureWastewaterTransferAmount	N/A			icis_comp_monitor_cafo.liquid_manure_transferred_amt	
NMPDevelopedCertifiedPlannerApprovedIndicator	N/A			icis_comp_monitor_cafo.nmp_flag	
NMPDevelopedDate	N/A			icis_comp_monitor_cafo.nmp_developed_date	Must be present if NMPDevelopedCertifiedPlannerApprovedIndicator contains “Y”, and must be on or before the date of the submission.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
NMPLastUpdatedDate	N/A			icis_comp_monitor_cafo.nmp_last_updated_date	Must be on or before the date of the submission.
EnvironmentalManagementSystemIndicator	N/A			icis_comp_monitor_cafo.ems_flag	
EMSDevelopedDate	N/A			icis_comp_monitor_cafo.ems_developed_date	Must be on or before the date of the submission.
EMSLastUpdatedDate	N/A			icis_comp_monitor_cafo.ems_last_updated_date	Must be on or before the date of the submission.
LandApplicationBMPTypeCode	N/A		Ref_bmp	icis_comp_monitor_cafo_bmp.bmp_code	
OtherLandApplicationBMPTypeName	N/A			icis_comp_monitor_cafo.bmp_other	Must be present only when LandApplicationBMPTypeCode contains “OTH”.
LivestockMaximumCapacityNumber	N/A			icis_comp_monitor_cafo.livestock_max_capacity	Must be present for each animal type.
LivestockCapacityDeterminationBasedUponNumber	N/A			icis_comp_monitor_cafo.livestock_determin_capacity	
AuthorizedLivestockCapacityNumber	N/A			icis_comp_monitor_cafo.livestock_authorized_capacity	
CAFOInspectionViolationTypeCode	N/A		Ref_cafo_violation_type	xref_comp_mon_cafo_viol_type.cafo_violation_type_code	
CSOEventDate	N/A			icis_comp_monitor_cso.overflow_date	
DryOrWetWeatherIndicator	N/A			icis_comp_monitor_cso.weather_dry_wet_flag	
PermittedFeatureIdentifier	N/A			icis_comp_monitor_cso.perm_feature_id	
LatitudeMeasure	N/A			icis_comp_monitor_cso.latitude_measure	ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank.
LongitudeMeasure	N/A			icis_comp_monitor_cso.longitude_	ICIS stores decimal degrees and if

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				measure	Latitude is not blank, Longitude must not be blank.
CSOOverflowLocationStreet	N/A			icis_comp_monitor_cso.overflow_location	
DurationCSOOverflowEvent	N/A			icis_comp_monitor_cso.overflow_duration	
DischargeVolumeTreated	N/A			icis_comp_monitor_cso.discharge_volume_treated	
DischargeVolumeUntreated	N/A			icis_comp_monitor_cso.discharge_volume_untreated	
CorrectiveActionTakenDescriptionText	N/A			icis_comp_monitor_cso.corrective_action	
InchesPrecipitation	N/A			icis_comp_monitor_cso.precipitation	
SUOReference	N/A			icis_comp_monitor_pretreatment.suo_reference	
SUODate	N/A			icis_comp_monitor_pretreatment.suo_date	
AcceptanceHazardousWaste	Acceptance of Hazardous Waste (RCRA)			icis_comp_monitor_pretreatment.accept_haz_flag	Same as PCS.
AcceptanceNonHazardousIndustrialWaste	N/A			icis_comp_monitor_pretreatment.accept_hauled_non_haz_flag	
AcceptanceHauledDomesticWastes	N/A			icis_comp_monitor_pretreatment.accept_hauled_domestic_flag	
AnnualPretreatmentBudget	Annual Pretreatment Budget (BUDG)			icis_comp_monitor_pretreatment.annual_budget	Same as PCS.
InadequacySamplingInspectionIndicator	Deficiencies in POTW Sampling of IUs (SMDF)	660		icis_comp_monitor_pretreatment.inadequacy_sample_inspect_flag	If empty set to “N”, else set to “Y”.
AdequacyPretreatmentResour	Inadequacies in	600		icis_comp_monitor_pretreatment.a	If empty set to “N”, else set to “Y”.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ces	Pretreatment Resources (RESO)			dequate_resource_flag	
DeficienciesIdentifiedDuringIUFileReview	Deficiencies Noted in File Review (FIDF)	570		icis_comp_monitor_pretreatment.deficiency_identified_flag	If empty set to "N", else set to "Y".
ControlMechanismDeficiencies	Control Mechanism Deficiences (CMDF)	580		icis_comp_monitor_pretreatment.deficiency_control_mech_flag	If empty set to "N", else set to "Y".
LegalAuthorityDeficiencies	Legal Authority Deficiencies (LADF)	590		icis_comp_monitor_pretreatment.deficiency_legal_flag	If empty set to "N", else set to "Y".
DeficienciesInterpretationApplicationPretreatmentStandards	Deficiencies in Interpretation/Application of Standards (APDF)	630		icis_comp_monitor_pretreatment.deficiency_intrepretation_flag	If empty set to "N", else set to "Y".
DeficienciesDataManagementPublicPaticipation	Deficiencies in Data Mgt & Public Participation (DMDF)	610		icis_comp_monitor_pretreatment.deficiency_data_mgnt_flag	If empty set to "N", else set to "Y".
ViolationIUScheduleRemedialMeasures	Violation to Schedule for Remedial Measures (VSCH)			icis_comp_monitor_pretreatment.violation_of_schedule_flag	Same as PCS.
FormalResponseViolationIUScheduleRemedialMeasures	Response to Schedule for Remedial Measures (RSCH)			icis_comp_monitor_pretreatment.formal_response_flag	Same as PCS.
AnnualFrequencyInfluentToxicantSampling	Frequency of Influent Toxicant Sampling (TXIN)			icis_comp_monitor_pretreatment.freq_influent_toxicant_nmbr	Same as PCS.
AnnualFrequencyEffluentToxicantSampling	Frequency of Effluent Toxicant Sampling (TXEF)			icis_comp_monitor_pretreatment.freq_effluent_toxicant_nmbr	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
AnnualFrequencySludgeToxicantSampling	Frequency of Sludge Toxicant Sampling (TXSL)			icis_comp_monitor_pretreatment.freq_sludge_toxicant_nmbr	Same as PCS.
NumberSIUs	Number of SIUs (SIUS)			icis_comp_monitor_pretreatment.siu_nmbr	Same as PCS. Must exist in order for other SIU tags to be present.
SIUsWithoutControlMechanism	SIUs without Control Mechanisms (NOCM)			icis_comp_monitor_pretreatment.siu_wo_control_mech_nmbr	Same as PCS.
SIUsNotInspected	SIUs Not Samples or Inspected (NOIN)			icis_comp_monitor_pretreatment.siu_not_inspected_nmbr	Same as PCS.
SIUsNotSampled	Number SIUs Not Sampled or Inspected at Required Frequency (NINF)			icis_comp_monitor_pretreatment.siu_not_sampled_nmbr	Same as PCS.
SIUsOnSchedule	SIUs on Compliance Schedules (SOCS)			icis_comp_monitor_pretreatment.siu_schedule	Same as PCS.
SIUsSNCWithPretreatmentStandards	SIUS in SNC w/Pretreatment Standards (SNPS)			icis_comp_monitor_pretreatment.siu_snc_pre_std_nmbr	Same as PCS.
SIUsSNCWithReportingRequirements	SIUs in SNC with Reporting Requirements (RSNC)			icis_comp_monitor_pretreatment.siu_snc_rpt_requirement_nmbr	Same as PCS.
SIUsSNCWithPretreatmentSchedule	SIUs in SNC with Pretreatment Compliance Schedule (SSNC)			icis_comp_monitor_pretreatment.siu_snc_pretreatment_schedule	Same as PCS.
SIUsSNCPublishedNewspaper	SIUs with Significant			icis_comp_monitor_pretreatment.siu_snc_published_news	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	Violations Published in Newspaper (SVPU)				
ViolationNoticesIssuedSIUs	Violation Notices Issued to SIUs (VINO)			icis_comp_monitor_pretreatment.siu_violation_notice_nmbr	Same as PCS.
AdministrativeOrdersIssuedSIUs	Administrative Orders Issued to SIUs (ADOR)			icis_comp_monitor_pretreatment.siu_admin_order_nmbr	Same as PCS.
CivilSuitsFiledAgainstSIUs	Civil Suits Filed Against SIUs (CIVL)			icis_comp_monitor_pretreatment.siu_admin_suit_nmbr	Same as PCS.
CriminalSuitsFiledAgainstSIUs	Criminal Suits Filed Against SIUs (CRIM)			icis_comp_monitor_pretreatment.siu_criminal_suit_nmbr	Same as PCS.
DollarAmountPenaltiesCollected	Dollar Amount of Penalties Collected (PAMT)			icis_comp_monitor_pretreatment.penalties_collected_amt	Same as PCS.
IUsWhichPenaltiesHaveBeenCollected	Industrial Users Penalties Collected (IUPN)			icis_comp_monitor_pretreatment.iu_penalties_collected_nmbr	Same as PCS.
NumberCIUs	Number of CIUs (CIUS)			icis_comp_monitor_pretreatment.ciu_nmbr	Same as PCS.
CIUsInSNC	CIUs in SNC (CISN)			icis_comp_monitor_pretreatment.ciu_in_snc_nmbr	Same as PCS. Must be less than or the same as the NumberCIUs.
PassThroughInterferenceIndicator	Passthrough Indicator (PASS), Interference Indicator (INTF)			icis_comp_monitor_pretreatment.passthrough_flag	If either contain Y then use "Y".
MostRecentDateTechnicalEvaluationForLocalLimits	Technical Evaluation for Local Limits			icis_comp_monitor_pretreatment.most_recent_eval_date	If EVLL contains Y or P use DTIA. The format for ICIS is ccyy-mm-dd.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	(EVLL)				
MostRecentDateAdoptionTechnicallyBasedLocalLimits	Adoption of Technically Based Local Limits (ADLL)			icis_comp_monitor_pretreatment.most_recent_adopt_date	If ADLL contains Y use DTIA. The format for ICIS is ccyy-mm-dd.
LocalLimitsPollutantCode	N/A		Ref_pollutant	xref_activity_pollutant.pollutant_code	Must be present if MostRecentDateAdoptionTechnicallyBasedLocalLimits exists.
MostRecentDateRemovalCreditsApproval	Removal Credits Approval Date (RCRD)			icis_comp_monitor_pretreatment.most_recent_credit_approv_date	Same as PCS. The format for ICIS is ccyy-mm-dd. Must be present if RemovalCreditsApplicationStatusCode contains "APP".
RemovalCreditsApplicationStatusCode	Removal Credits (RECR)	670		icis_comp_monitor_pretreatment.removal_status_flag	Same as PCS but codes may have been added, changed or removed.
RemovalCreditsPollutantCode	N/A		Ref_pollutant	icis_pretreatment_removal_cred.pollutant_code	Must be present if MostRecentDateRemovalCreditsApproval exists.
SSOEventDate	N/A			icis_comp_monitor_sso.overflow_date	Must be on or before the submission date.
CauseSSOOverflowEvent	N/A			icis_comp_monitor_sso.overflow_cause	
LatitudeMeasure	N/A			icis_comp_monitor_sso.latitude_measure	ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank.
LongitudeMeasure	N/A			icis_comp_monitor_sso.longitude_measure	ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank.
SSOOverflowLocationStreet	N/A			icis_comp_monitor_sso.overflow_location	
DurationSSOOverflowEvent	N/A			icis_comp_monitor_sso.overlow_duration	
SSOVolume	N/A			icis_comp_monitor_sso.overflow_	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				volume	
NameReceivingWater	N/A			icis_comp_monitor_sso.receiving_water	
ImpactSSOEvent	N/A		Ref_sso_impact	icis_comp_monitor_sso_impact.sso_impact_code	
SystemComponent	N/A		Ref_system_component	icis_comp_monitor_sso_component.system_component_code	
OtherSystemComponent	N/A			icis_comp_monitor_sso.other_component	Must be present only when SystemComponent contains “OTH”.
StepsReducePreventMitigate	N/A		Ref_sso_reaction	icis_comp_monitor_sso_reaction.sso_reaction_code	
OtherStepsReducePreventMitigate	N/A			icis_comp_monitor_sso.other_sso_reaction	Must be present only when StepsReducePreventMitigate contains “OTH”.
DescriptionStepsTaken	N/A			icis_comp_monitor_sso.steps_taken	
ProjectTypeCode	N/A		Ref_project_type	icis_comp_monitor_sw_const.project_type_code	
ProjectTypeCodeOtherDescription	N/A			icis_comp_monitor_sw_const.project_type_other	Must be present only when ProjectTypeCode contains “OTH”.
EstimatedStartDate	N/A			icis_comp_monitor_sw_const.estimated_begin_date	
EstimatedCompleteDate	N/A			icis_comp_monitor_sw_const.estimated_end_date	
EstimatedAreaDisturbedAcresNumber	N/A			icis_comp_monitor_sw_const.estimated_area_disturbed	
ProjectPlanSizeCode	N/A		Ref_project_plan_size	icis_comp_monitor_sw_const.project_plan_size_code	
SWPPPEvaluationBasisCode	N/A		Ref_swppp_eval_basis	icis_comp_monitor_sw_ind.swppp_eval_basis_code	
SWPPPEvaluationDate	N/A			icis_comp_monitor_sw_ind.swppp	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				_evaluation_date	
SWPPPEvaluationDescriptionText	N/A			icis_comp_monitor_sw_ind.swppp_evaluation_text	
NoExposureAuthorizationDate	N/A			icis_comp_monitor_sw_ind.no_exposure_auth_date	
MS4AnnualExpenditureDollars	N/A			icis_comp_monitor_sw_ms4.ms4_annual_expenditure	
MS4AnnualExpenditureYear	N/A			icis_comp_monitor_sw_ms4.ms4_annual_expenditure_year	
MS4BudgetDollars	N/A			icis_comp_monitor_sw_ms4.ms4_budget	
MS4BudgetYear	N/A			icis_comp_monitor_sw_ms4.ms4_budget_year	
ProjectedSourcesFundingCode	N/A			icis_comp_monitor_sw_ms4.ms4_source_funding_code	
MajorOutfallEstimatedMeasureIndicator	N/A			icis_comp_monitor_sw_ms4.major_outfall_est_measure_flag	Must be present when MajorOutfallNumber contains a value greater than zero.
MajorOutfallNumber	N/A			icis_comp_monitor_sw_ms4.major_outfall _nmbr	
MinorOutfallEstimatedMeasureIndicator	N/A			icis_comp_monitor_sw_ms4.minor_outfall_est_measure_flag	Must be present when MinorOutfallNumber contains a value greater than zero.
MinorOutfallNumber	N/A			icis_comp_monitor_sw_ms4.minor_outfall _nmbr	
AffiliationTypeText	N/A		Ref_affiliation_type	xref_activity_address.affiliation_type_code, xref_activity_contact.affiliation_type_code,	In ICIS, contacts and addresses are assigned their own set of affiliation type codes to choose from. Inspection contacts may only have affiliation type code of IFR. No inspection addresses are allowed. CAFO contacts and addresses may

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					only have affiliation type codes of CAI and CNC. Storm Water MS4 contacts and addresses may only have an affiliation type code of SW4.
FirstName	N/A			icis_contact.first_name	
MiddleName	N/A			icis_contact.middle_name	
LastName	N/A			icis_contact.last_name	
IndividualTitleText	N/A			icis_contact.title	
OrganizationFormalName	N/A			icis_contact.organization_formal_name, icis_address.organization_formal_name	
StateCode	N/A		Ref_state	icis_contact.state_code	
RegionCode	N/A		Ref_region	icis_contact.region_code	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_contact_phone.phone_type_code	
TelephoneNumber	N/A			icis_contact_phone.telephone_nmbr	
TelephoneExtensionNumber	N/A			icis_contact_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_contact_electronic_addr.electronic_address_text	
StartDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: end_date	
OrganizationDUNSNumber	N/A			icis_address.organization_duns_numbr	
MailingAddressText	N/A			icis_address.street_address	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
SupplementalAddressText	N/A			icis_address.supplemental_address_text	
MailingAddressCityName	N/A			icis_address.city	
MailingAddressStateCode	N/A		Ref_state	icis_address.state_code	
MailingAddressZipCode	N/A			icis_address.zip	
CountyName	N/A			icis_address.county	
MailingAddressCountryCode	N/A		Ref_country	icis_address.country_code	
DivisionName	N/A			icis_address.division_name	
LocationProvince	N/A			icis_address.province	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_address_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	N/A			icis_address_phone.telephone_nmbr	Same as PCS but without parentheses, spaces, dots or dashes.
TelephoneExtensionNumber	N/A			icis_address_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_address_electronic_addr.electronic_address_text	
StartDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: end_date	

8.17.2 Rules for Parsing State Submitted Compliance Monitoring XML Files

A summary of rules for processing state compliance monitoring data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Compliance Monitoring Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, Deletes are applied second, New transactions are applied third, Changes are applied fourth, and Replaces are applied last.
- Only contacts with an affiliation type that is non-governmental may be added to ICIS for an inspection.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

NEW

- A new compliance monitoring record will be added along with any child special regulatory and contact records.
- At least one Program Code containing "CWACAFO" must exist if CAFO inspection data is being submitted. At least one Program Code containing "CWACSO" must exist if CSO inspection data is being submitted. At least one Program Code containing "CWAPRTRT" must exist if Pretreatment inspection data is being submitted. At least one Program Code containing "CWASSO" must exist if SSO inspection data is being submitted. At least one Program Code containing "CWASTMC" or "CWASTMN" must exist if Storm Water inspection data is being submitted. At least one Program Code containing "CWASTMM" must exist if Storm Water MS4 inspection data is being submitted.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.
- If a latitude is provided the longitude must be provided.
- If a longitude is provided the latitude must be provided.

CHANGE

- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in an inspection's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-mandatory field in ICIS.
- If a latitude is provided the longitude must either be provided or already exist in the ICIS record.
- If a longitude is provided the latitude must either be provided or already exist in the ICIS record.

- Multi-value tags must have all possible values submitted for them (e.g., all Permit contacts) instead of the one that changed in order to avoid removing values unnecessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACE

- Any replace transaction for an inspection that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction (see rules for New above).
- Any replace transaction for an inspection that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out (see rules for Changes above).
- At least one Program Code containing "CWACAFO" must exist if CAFO inspection data is being submitted. At least one Program Code containing "CWACSO" must exist if CSO inspection data is being submitted. At least one Program Code containing "CWAPRTRT" must exist if CSO inspection data is being submitted. At least one Program Code containing "CWASSO" must exist if CSO inspection data is being submitted. At least one Program Code containing "CWASTMC" or "CWASTMN" must exist if Storm Water inspection data is being submitted. At least one Program Code containing "CWASTMM" must exist if Storm Water inspection data is being submitted.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

MASS DELETE

- If a Mass Delete transaction for a compliance monitoring record has non-mandatory tags along with the PermitIdentifier, ComplianceMonitoringCategoryCode and ComplianceMonitoringDate tags they will be ignored.
- Mass Delete of a Compliance Monitoring record will result in the removal of its special regulatory programs and any linkages to other inspections, enforcement actions or program reports from ICIS.

8.18 FEDERAL COMPLIANCE MONITORING MAPPING AND RULES

8.18.1 Federal Compliance Monitoring Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ProgramSystemAcronym				icis_facility_interest.pgm_sys_acrn	The facility assigned to the program system must exist in ICIS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				m	
ProgramSystemIdentifier	Permit Number (NPID)			icis_facility_interest.pgm_sys_id	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
FederalStatuteCode				xref_activity_law_section.statute_code	Federal Statute must be a valid (i.e., Active) code with Activity_Group_Code = CMM in the XREF_PROGRAM_LAW_SECTION table.
ComplianceMonitoringActivityTypeCode				icis_activity.activity_type_code	Valid choices are: • INS (Inspection/Evaluation) • INV (Investigation) • INF (Information Request) • OSR (Offsite Record Review)
ComplianceMonitoringCategoryCode	Inspection Type (TYPI)	280	Ref_comp_monitor_category	icis_comp_monitor.comp_monitor_category_code	PCS codes have been reassigned to generate compliance inspection type, compliance monitoring category, program codes.
ComplianceMonitoringDate	Inspection Date (DTIN), Pretreatment Inspection Date (DTIA)			icis_activity.actual_end_date	Same as PCS. The format for ICIS is ccyy-mm-dd. Must be earlier than or on the date of submission to ICIS.
ComplianceInspectionTypeCode	Inspection Type (TYPI)	280	Ref_comp_monitor_type	xref_comp_monitor_comp_m_type.comp_monitor_type_code	PCS codes have been reassigned to generate compliance inspection type, compliance monitoring category, program codes. The Inspection Type code must be valid for the Compliance Monitoring Category and Activity Type.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ComplianceMonitoringStartDate	N/A			icis_activity.actual_begin_date	Must be earlier than or the same as the compliance monitoring date.
ComplianceMonitoringActivityName	N/A			icis_activity.activity_name	
BiomonitoringInspectionMethod	Biomonitoring Inspection Method Code (BIOM)	260	Ref_biomonitoring_method	Icis_comp_monitor.biomonitoring_method_code	Same as PCS but codes may have been added, changed or removed. Must be present if Compliance Inspection Type Code contains "CBI".
ComplianceMonitoringActionReasonCode	N/A		Ref_activity_purpose	xref_activity_purpose.activity_purpose_code	At least one code must exist in ICIS.
ComplianceMonitoringAgencyTypeCode	Inspector Code (INSP)	290	Ref_agency_type	xref_activity_agency_type.agency_type_code	Same as PCS but codes may have been added, changed or removed. Code must be assigned to an activity group code of "CMM".
ComplianceMonitoringAgencyCode	Inspector Code (INSP)	290	Ref_agency	icis_comp_monitor.agency_code	PCS codes have been reassigned to derive agency type, lead party, state federal joint indicator, EPA assistance indicator.
ProgramCode	Inspection Type (TYPI)	280	Ref_program	xref_activity_program.program_code	PCS codes have been reassigned to derive compliance inspection type, compliance monitoring category, program codes. Must be a valid code with a NPDES Program Flag = "Y' in the ref_program table, and must be valid for the associated Law Section and Federal Statute in the xref_program_law_section table
EPAAssistanceIndicator	Inspector Code (INSP)	290		icis_activity.epa_assist_flag	PCS codes have been reassigned to derive agency type, lead party, state federal joint indicator, EPA assistance indicator. Must be present if the Compliance Monitoring

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					Agency Type is not "EPA".
StateFederalJointIndicator	Inspector Code (INSP)	290		Icis_comp_monitor.joint_inspection_flag	PCS codes have been reassigned to derive agency type, lead party, state federal joint indicator, EPA assistance indicator.
JointInspectionReasonCode	N/A		Ref_joint_inspection_purpose	icis_comp_monitor.joint_inspection_purpose_code	Must be present when StateFederalJointIndicator contains "J".
LeadParty	Inspector Code (INSP)	290		icis_comp_monitor.joint_lead_flag	PCS codes have been reassigned to derive agency type, lead party, state federal joint indicator, EPA assistance indicator. Must exist if State Federal Joint Indicator = "J"
NumberDaysPhysicallyConductingActivity	N/A			icis_comp_monitor.nmbr_of_day	
NumberHoursPhysicallyConductingActivity	Inspection Preprocessing (PRHR), Inprocessing (INHR) , Postprocessing (POHR) Hours			icis_comp_monitor.nmbr_of_day	Summation of pre, in and post processing hours.
ComplianceMonitoringActionOutcomeCode	N/A		Ref_activity_outcome	icis_comp_monitor.activity_outcome_code	
InspectionRatingCode	N/A		Ref_insp_rating	icis_comp_monitor.insp_rating_code	
NationalPrioritiesCode	N/A		Ref_priority	xref_activity_priority.priority_code	Must be a valid code with a Region_Code = "HQ" in the ref_priority table
MultimediaIndicator	N/A			icis_activity.multimedia_flag	
FederalFacilityIndicator	N/A		Ref_cross_media	icis_activity_cross_	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
			_indicator	media.fed_facility_indicator_code	
FederalFacilityIndicatorComment	N/A			icis_activity_cross_media.fed_facility_comment	
InspectionUserDefinedField1	N/A			icis_regional_data.string1	
InspectionUserDefinedField2	N/A			icis_regional_data.string2	
InspectionUserDefinedField3	N/A			icis_regional_data.string3	
InspectionUserDefinedField4	N/A			icis_regional_data.date1	
InspectionUserDefinedField5	N/A			icis_regional_data.date2	
InspectionUserDefinedField6	N/A			icis_regional_data.string4	
InspectionCommentText	Inspection Comment Text (ICOM)			icis_activity_comment.comment_text	
ElectronicAddressText	N/A			icis_person_electronic_address.electronic_address_text	
AffiliationTypeText	N/A			xref_activity_person.affiliation_type_code	
ComplianceMonitoringPlannedStartDate	Scheduled Inspection Date (SIDT)			icis_activity.planned_begin_date	Same as PCS. The format for ICIS is ccyy-mm-dd. Must be earlier than or on the same day as the Compliance Monitoring End Date.
ComplianceMonitoringPlannedEndDate	N/A			icis_activity.planned_end_date	Must be on or after the Compliance Monitoring Planned Start Date.
EPARegion	N/A			icis_activity.region_code	
LawSectionCode	N/A			xref_activity_law_section.law_section_code	Law Section must be valid for the associated Federal Statute in the xref_program_law_section table

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ComplianceMonitoringMediaTypeCode	N/A			icis_comp_monitor.media_code	
RegionalPriorityCode	N/A			xref_activity_priority.priority_code	
SICCode	SIC Code (SIC2)			xref_activity_sic.sic_code	Same as PCS but codes may have been added, changed or removed.
NAICSCode	N/A			xref_activity_naics.naics_code	
DeficienciesObservedIndicator	N/A			icis_comp_monitor.observed_deficiency_flag	May only exist when ComplianceMonitoringActivityTypeCode contains “INS”
DeficiencyObservedCode	N/A			xref_comp_monitor_deficiency.deficiency_code	May only exist when ComplianceMonitoringActivityTypeCode contains “INS”. Must be present when DeficienciesObservedIndicator contains “Y”.
DeficiencyCommunicatedFacilityIndicator	N/A			icis_comp_monitor.communicate_deficiency_flag	May only exist when ComplianceMonitoringActivityTypeCode contains “INS”. Must be present when DeficienciesObservedIndicator contains “Y”.
FacilityActionObservedIndicator	N/A			icis_comp_monitor.facility_action_flag	May only exist when ComplianceMonitoringActivityTypeCode contains “INS” and DeficienciesObservedIndicator contains “Y”.
CorrectiveActionCode	N/A			icis_corrective_action.corrective_action_code	May only exist when ComplianceMonitoringActivityTypeCode contains “INS”. Must be present when FacilityActionObservedIndicator contains “Y”.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
AirPollutantCode	N/A			xref_activity_pollutant.pollutant_code	May only exist when ComplianceMonitoringActivityTypeCode contains “INS”, DeficiencyCommunicatedFacilityIndicator contains “Y” and CorrectiveActionCode contains “18”.
WaterPollutantCode	N/A			xref_activity_pollutant.pollutant_code	May only exist when ComplianceMonitoringActivityTypeCode contains “INS”, DeficiencyCommunicatedFacilityIndicator contains “Y” and CorrectiveActionCode contains “18”.
NationalPolicyGeneralAssistanceIndicator	N/A			icis_comp_monitor.general_comp_assistance_flag	May only exist when ComplianceMonitoringActivityTypeCode contains “INS”
NationalPolicySiteSpecificAssistanceIndicator	N/A			icis_comp_monitor.specific_comp_assistance_flag	May only exist when ComplianceMonitoringActivityTypeCode contains “INS”
SubactivityTypeCode	N/A			icis_sub_activity.sub_activity_type_code	
SubactivityPlannedDate	N/A			icis_sub_activity.planned_date	
SubactivityDate	N/A			icis_sub_activity.actual_date	Must be on or before the date of the submission.
CitationTitle	N/A			icis_citation.citation_title	
CitationPart	N/A			icis_citation.citation_part	
CitationSection	N/A			icis_citation.citation_section	
CAFOClassificationCode	N/A		Ref_cafo_classification	icis_comp_monitor.cafo_classification_code	Must be present if IsAnimalFacilityTypeCAFOIndicator contains “Y”.
IsAnimalFacilityTypeCAFOIndicator	N/A			icis_comp_monitor_cafo.cafo_flag	
CAFODesignationDate	N/A			icis_comp_monitor_cafo.designati	Must be present if

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				on_date	IsAnimalFacilityTypeCAFOIndicator contains "Y", and must be on or before the date of the submission.
CAFODesignationReasonText	N/A		Ref_cafo_reason	icis_comp_monitor_cafo.cafo_reason_code	Must be present if IsAnimalFacilityTypeCAFOIndicator contains "Y" and CAFOClassificationCode contains "S".
DischargesDuringYearProductionAreaIndicator	N/A		Ref_cafo_authorized_discharge	icis_comp_monitor_cafo.authorized_discharge_code	
AnimalTypeCode	N/A		Ref_animal_type	icis_comp_mon_cafo_animal_type.animal_type_code	For each Animal Type entered, Open Confinement Count plus Housed Under Roof Confinement Count must = Total Number
OtherAnimalTypeName	N/A			icis_comp_mon_cafo_animal_type.animal_type_other	Must be present only when AnimalType contains "OTH".
TotalNumberEachLivestock	N/A			icis_comp_mon_cafo_animal_type.total_nmbr	Must be present for each animal type.
OpenConfinementCount	N/A			icis_comp_mon_cafo_animal_type.open_confinement_count	
HousedUnderRoofConfinementCount	N/A			icis_comp_mon_cafo_animal_type.under_roof_confinement_count	
ManureLitterProcessedWastewaterStorageType	N/A		Ref_storage_type	icis_comp_monitor_cafo_storage.storage_type_code	For each "Manure, Litter, and Processed Wastewater Storage Type" entered, Storage Total Capacity Measure and Days of Storage must exist.
OtherStorageTypeName	N/A			icis_comp_monitor_cafo_storage.storage_type_other	Must be present only when ManureLitterProcessedWastewaterStorageType contains "OTH".
StorageTotalCapacityMeasure	N/A			icis_comp_monitor_cafo_storage.total_capacity_measure	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
DaysOfStorage	N/A			icis_comp_monitor_cafo_storage.days_of_storage	
ContainmentTypeCode	N/A		Ref_containment_type	icis_comp_mon_cafo_containment.containment_type_code	For each Containment Type entered, Total Capacity must exist.
OtherContainmentTypeName	N/A			icis_comp_mon_cafo_containment.containment_type_other	Must be present only when ContainmentTypeCode contains "OTH".
ContainmentCapacityNumber	N/A			icis_comp_mon_cafo_containment.containment_capacity	
NumberAcresContributingDrainage	N/A			icis_comp_monitor_cafo.nmbr_of_acres_drainage	
ApplicationMeasureAvailableLandNumber	N/A			icis_comp_monitor_cafo.land_available	
SolidManureLitterGeneratedAmount	N/A			icis_comp_monitor_cafo.solid_manure_generated_amt	
LiquidManureWastewaterGeneratedAmount	N/A			icis_comp_monitor_cafo.liquid_manure_generated_amt	
SolidManureLitterTransferAmount	N/A			icis_comp_monitor_cafo.solid_manure_transferred_amt	
LiquidManureWastewaterTransferAmount	N/A			icis_comp_monitor_cafo.liquid_manure_transferred_amt	
NMPDevelopedCertifiedPlannerApprovedIndicator	N/A			icis_comp_monitor_cafo.nmp_flag	
NMPDevelopedDate	N/A			icis_comp_monitor_cafo.nmp_developed_date	Must be present if NMPDevelopedCertifiedPlannerApprovedIndicator contains "Y", and must be on or before the date of the submission.
NMPLastUpdatedDate	N/A			icis_comp_monitor_cafo.nmp_last_updated_date	Must be on or before the date of the submission.
EnvironmentalManagementS	N/A			icis_comp_monitor_cafo.ems_flag	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ystemIndicator					
EMSDevelopedDate	N/A			icis_comp_monitor_cafo.ems_developed_date	Must be on or before the date of the submission.
EMSLastUpdatedDate	N/A			icis_comp_monitor_cafo.ems_last_updated_date	Must be on or before the date of the submission.
LandApplicationBMPTypeCode	N/A		Ref_bmp	icis_comp_monitor_cafo_bmp.bmp_code	
OtherLandApplicationBMPTypeName	N/A			icis_comp_monitor_cafo.bmp_other	Must be present only when LandApplicationBMPTypeCode contains “OTH”.
LivestockMaximumCapacityNumber	N/A			icis_comp_monitor_cafo.livestock_max_capacity	Must be present for each animal type.
LivestockCapacityDeterminationBasedUponNumber	N/A			icis_comp_monitor_cafo.livestock_determin_capacity	
AuthorizedLivestockCapacityNumber	N/A			icis_comp_monitor_cafo.livestock_authorized_capacity	
CAFOInspectionViolationTypeCode	N/A		Ref_cafo_violation_type	xref_comp_mon_cafo_viol_type.cafo_violation_type_code	
CSOEventDate	N/A			icis_comp_monitor_cso.overflow_date	
DryOrWetWeatherIndicator	N/A			icis_comp_monitor_cso.weather_dry_wet_flag	
PermittedFeatureIdentifier	N/A			icis_comp_monitor_cso.perm_feature_id	
LatitudeMeasure	N/A			icis_comp_monitor_cso.latitude_measure	ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank.
LongitudeMeasure	N/A			icis_comp_monitor_cso.longitude_measure	ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank.
CSOOverflowLocationStreet	N/A			icis_comp_monitor_cso.overflow_	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				location	
DurationCSOOverflowEvent	N/A			icis_comp_monitor_cso.overflow_duration	
DischargeVolumeTreated	N/A			icis_comp_monitor_cso.discharge_volume_treated	
DischargeVolumeUntreated	N/A			icis_comp_monitor_cso.discharge_volume_untreated	
CorrectiveActionTakenDescriptionText	N/A			icis_comp_monitor_cso.corrective_action	
InchesPrecipitation	N/A			icis_comp_monitor_cso.precipitation	
SUOReference	N/A			icis_comp_monitor_pretreatment.suo_reference	
SUODate	N/A			icis_comp_monitor_pretreatment.suo_date	
AcceptanceHazardousWaste	Acceptance of Hazardous Waste (RCRA)			icis_comp_monitor_pretreatment.accept_haz_flag	Same as PCS.
AcceptanceNonHazardousIndustrialWaste	N/A			icis_comp_monitor_pretreatment.accept_hauled_non_haz_flag	
AcceptanceHauledDomesticWastes	N/A			icis_comp_monitor_pretreatment.accept_hauled_domestic_flag	
AnnualPretreatmentBudget	Annual Pretreatment Budget (BUDG)			icis_comp_monitor_pretreatment.annual_budget	Same as PCS.
InadequacySamplingInspectionIndicator	Deficiencies in POTW Sampling of IUs (SMDF)	660		icis_comp_monitor_pretreatment.inadequacy_sample_inspect_flag	If empty set to “N”, else set to “Y”.
AdequacyPretreatmentResources	Inadequacies in Pretreatment Resources (RESO)	600		icis_comp_monitor_pretreatment.adequate_resource_flag	If empty set to “N”, else set to “Y”.
DeficienciesIdentifiedDuringI	Deficiencies Noted	570		icis_comp_monitor_pretreatment.d	If empty set to “N”, else set to “Y”.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
UFileReview	in File Review (FIDF)			eficiency_identified_flag	
ControlMechanismDeficiencies	Control Mechanism Deficiences (CMDF)	580		icis_comp_monitor_pretreatment.deficiency_control_mech_flag	If empty set to "N", else set to "Y".
LegalAuthorityDeficiencies	Legal Authority Deficiencies (LADF)	590		icis_comp_monitor_pretreatment.deficiency_legal_flag	If empty set to "N", else set to "Y".
DeficienciesInterpretationApplicationPretreatmentStandards	Deficiencies in Interpretation/Application of Standards (APDF)	630		icis_comp_monitor_pretreatment.deficiency_intrepretation_flag	If empty set to "N", else set to "Y".
DeficienciesDataManagementPublicPaticipation	Deficiencies in Data Mgt & Public Participation (DMDF)	610		icis_comp_monitor_pretreatment.deficiency_data_mgnt_flag	If empty set to "N", else set to "Y".
ViolationIUScheduleRemedialMeasures	Violation to Schedule for Remedial Measures (VSCH)			icis_comp_monitor_pretreatment.violation_of_schedule_flag	Same as PCS.
FormalResponseViolationIUScheduleRemedialMeasures	Response to Schedule for Remedial Measures (RSCH)			icis_comp_monitor_pretreatment.formal_response_flag	Same as PCS.
AnnualFrequencyInfluentToxicantSampling	Frequency of Influent Toxicant Sampling (TXIN)			icis_comp_monitor_pretreatment.freq_influent_toxicant_nmbr	Same as PCS.
AnnualFrequencyEffluentToxicantSampling	Frequency of Effluent Toxicant Sampling (TXEF)			icis_comp_monitor_pretreatment.freq_effluent_toxicant_nmbr	Same as PCS.
AnnualFrequencySludgeToxicantSampling	Frequency of Sludge Toxicant Sampling (TXSL)			icis_comp_monitor_pretreatment.freq_sludge_toxicant_nmbr	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
NumberSIUs	Number of SIUs (SIUS)			icis_comp_monitor_pretreatment.siu_nmbr	Same as PCS. Must exist in order for other SIU tags to be present.
SIUsWithoutControlMechanism	SIUs without Control Mechanisms (NOCM)			icis_comp_monitor_pretreatment.siu_wo_control_mech_nmbr	Same as PCS.
SIUsNotInspected	SIUs Not Samples or Inspected (NOIN)			icis_comp_monitor_pretreatment.siu_not_inspected_nmbr	Same as PCS.
SIUsNotSampled	Number SIUs Not Sampled or Inspected at Required Frequency (NINF)			icis_comp_monitor_pretreatment.siu_not_sampled_nmbr	Same as PCS.
SIUsOnSchedule	SIUs on Compliance Schedules (SOCS)			icis_comp_monitor_pretreatment.siu_schedule	Same as PCS.
SIUsSNCWithPretreatmentStandards	SIUS in SNC w/Pretreatment Standards (SNPS)			icis_comp_monitor_pretreatment.siu_snc_pre_std_nmbr	Same as PCS.
SIUsSNCWithReportingRequirements	SIUs in SNC with Reporting Requirements (RSNC)			icis_comp_monitor_pretreatment.siu_snc_rpt_requirement_nmbr	Same as PCS.
SIUsSNCWithPretreatmentSchedule	SIUs in SNC with Pretreatment Compliance Schedule (SSNC)			icis_comp_monitor_pretreatment.siu_snc_pretreatment_schedule	Same as PCS.
SIUsSNCPublishedNewspaper	SIUs with Significant Violations Published in Newspaper			icis_comp_monitor_pretreatment.siu_snc_published_news	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	(SVPU)				
ViolationNoticesIssuedSIUs	Violation Notices Issued to SIUs (VINO)			icis_comp_monitor_pretreatment.siu_violation_notice_nmbr	Same as PCS.
AdministrativeOrdersIssuedSIUs	Administrative Orders Issued to SIUs (ADOR)			icis_comp_monitor_pretreatment.siu_admin_order_nmbr	Same as PCS.
CivilSuitsFiledAgainstSIUs	Civil Suits Filed Against SIUs (CIVL)			icis_comp_monitor_pretreatment.siu_admin_suit_nmbr	Same as PCS.
CriminalSuitsFiledAgainstSIUs	Criminal Suits Filed Against SIUs (CRIM)			icis_comp_monitor_pretreatment.siu_criminal_suit_nmbr	Same as PCS.
DollarAmountPenaltiesCollected	Dollar Amount of Penalties Collected (PAMT)			icis_comp_monitor_pretreatment.penalties_collected_amt	Same as PCS.
IUsWhichPenaltiesHaveBeenCollected	Industrial Users Penalties Collected (IUPN)			icis_comp_monitor_pretreatment.iu_penalties_collected_nmbr	Same as PCS.
NumberCIUs	Number of CIUs (CIUS)			icis_comp_monitor_pretreatment.ciu_nmbr	Same as PCS.
CIUsInSNC	CIUs in SNC (CISN)			icis_comp_monitor_pretreatment.ciu_in_snc_nmbr	Same as PCS. Must be less than or the same as the NumberCIUs.
PassThroughInterferenceIndicator	Passthrough Indicator (PASS), Interference Indicator (INTF)			icis_comp_monitor_pretreatment.passthrough_flag	If either contain Y then use "Y".
MostRecentDateTechnicalEvaluationForLocalLimits	Technical Evaluation for Local Limits (EVLL)			icis_comp_monitor_pretreatment.most_recent_eval_date	If EVLL contains Y or P use DTIA. The format for ICIS is ccyy-mm-dd.
MostRecentDateAdoptionTechnicallyBasedLocalLimits	Adoption of Technically Based			icis_comp_monitor_pretreatment.most_recent_adopt_date	If ADLL contains Y use DTIA. The format for ICIS is ccyy-mm-dd.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	Local Limits (ADLL)				
LocalLimitsPollutantCode	N/A		Ref_pollutant	xref_activity_pollutant.pollutant_code	Must be present if MostRecentDateAdoptionTechnicallyBasedLocalLimits exists.
MostRecentDateRemovalCreditsApproval	Removal Credits Approval Date (RCRD)			icis_comp_monitor_pretreatment.most_recent_credit_approv_date	Same as PCS. The format for ICIS is ccyy-mm-dd. Must be present if RemovalCreditsApplicationStatusCode contains "APP".
RemovalCreditsApplicationStatusCode	Removal Credits (RECR)	670		icis_comp_monitor_pretreatment.removal_status_flag	Same as PCS but codes may have been added, changed or removed.
RemovalCreditsPollutantCode	N/A		Ref_pollutant	icis_pretreatment_removal_cred.pollutant_code	Must be present if MostRecentDateRemovalCreditsApproval exists.
SSOEventDate	N/A			icis_comp_monitor_sso.overflow_date	Must be on or before the submission date.
CauseSSOOverflowEvent	N/A			icis_comp_monitor_sso.overflow_cause	
LatitudeMeasure	N/A			icis_comp_monitor_sso.latitude_measure	ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank.
LongitudeMeasure	N/A			icis_comp_monitor_sso.longitude_measure	ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank.
SSOOverflowLocationStreet	N/A			icis_comp_monitor_sso.overflow_location	
DurationSSOOverflowEvent	N/A			icis_comp_monitor_sso.overlow_duration	
SSOVolume	N/A			icis_comp_monitor_sso.overflow_volume	
NameReceivingWater	N/A			icis_comp_monitor_sso.receiving_water	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ImpactSSOEvent	N/A		Ref_sso_impact	icis_comp_monitor_sso_impact.sso_impact_code	
SystemComponent	N/A		Ref_system_component	icis_comp_monitor_sso_component.system_component_code	
OtherSystemComponent	N/A			icis_comp_monitor_sso.other_component	Must be present only when SystemComponent contains “OTH”.
StepsReducePreventMitigate	N/A		Ref_sso_reaction	icis_comp_monitor_sso_reaction.sso_reaction_code	
OtherStepsReducePreventMitigate	N/A			icis_comp_monitor_sso.other_sso_reaction	Must be present only when StepsReducePreventMitigate contains “OTH”.
DescriptionStepsTaken	N/A			icis_comp_monitor_sso.steps_taken	
ProjectTypeCode	N/A		Ref_project_type	icis_comp_monitor_sw_const.project_type_code	
ProjectTypeCodeOtherDescription	N/A			icis_comp_monitor_sw_const.project_type_other	Must be present only when ProjectTypeCode contains “OTH”.
EstimatedStartDate	N/A			icis_comp_monitor_sw_const.estimated_begin_date	
EstimatedCompleteDate	N/A			icis_comp_monitor_sw_const.estimated_end_date	
EstimatedAreaDisturbedAcresNumber	N/A			icis_comp_monitor_sw_const.estimated_area_disturbed	
ProjectPlanSizeCode	N/A		Ref_project_plan_size	icis_comp_monitor_sw_const.project_plan_size_code	
SWPPPEvaluationBasisCode	N/A		Ref_swppp_eval_basis	icis_comp_monitor_sw_ind.swppp_eval_basis_code	
SWPPPEvaluationDate	N/A			icis_comp_monitor_sw_ind.swppp_evaluation_date	
SWPPPEvaluationDescriptionText	N/A			icis_comp_monitor_sw_ind.swppp_evaluation_text	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
NoExposureAuthorizationDate	N/A			icis_comp_monitor_sw_ind.no_exposure_auth_date	
MS4AnnualExpenditureDollars	N/A			icis_comp_monitor_sw_ms4.ms4_annual_expenditure	
MS4AnnualExpenditureYear	N/A			icis_comp_monitor_sw_ms4.ms4_annual_expenditure_year	
MS4BudgetDollars	N/A			icis_comp_monitor_sw_ms4.ms4_budget	
MS4BudgetYear	N/A			icis_comp_monitor_sw_ms4.ms4_budget_year	
ProjectedSourcesFundingCode	N/A			icis_comp_monitor_sw_ms4.ms4_source_funding_code	
MajorOutfallEstimatedMeasureIndicator	N/A			icis_comp_monitor_sw_ms4.major_outfall_est_measure_flag	Must be present when MajorOutfallNumber contains a value greater than zero.
MajorOutfallNumber	N/A			icis_comp_monitor_sw_ms4.major_outfall _nmbr	
MinorOutfallEstimatedMeasureIndicator	N/A			icis_comp_monitor_sw_ms4.minor_outfall_est_measure_flag	Must be present when MinorOutfallNumber contains a value greater than zero.
MinorOutfallNumber	N/A			icis_comp_monitor_sw_ms4.minor_outfall _nmbr	
AffiliationTypeText	N/A		Ref_affiliation_type	xref_activity_address.affiliation_type_code, xref_activity_contact.affiliation_type_code,	In ICIS, contacts and addresses are assigned their own set of affiliation type codes to choose from. Inspection contacts may only have affiliation type codes of CSD, INS, OCT, PRL, TEN and UNK. No inspection addresses are allowed. CAFO contacts and addresses may only have affiliation type codes of CAI and CNC. Storm Water MS4

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					contacts and addresses may only have an affiliation type code of SW4.
FirstName	N/A			icis_contact.first_name	
MiddleName	N/A			icis_contact.middle_name	
LastName	N/A			icis_contact.last_name	
IndividualTitleText	N/A			icis_contact.title	
OrganizationFormalName	N/A			icis_contact.organization_formal_name, icis_address.organization_formal_name	
StateCode	N/A		Ref_state	icis_contact.state_code	
RegionCode	N/A		Ref_region	icis_contact.region_code	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_contact_phone.phone_type_code	
TelephoneNumber	N/A			icis_contact_phone.telephone_nmbr	
TelephoneExtensionNumber	N/A			icis_contact_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_contact_electronic_addr.electronic_address_text	
StartDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: end_date	
OrganizationDUNSNumber	N/A			icis_address.organization_duns_nmbr	
MailingAddressText	N/A			icis_address.street_address	
SupplementalAddressText	N/A			icis_address.supplemental_address_text	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
MailingAddressCityName	N/A			icis_address.city	
MailingAddressStateCode	N/A		Ref_state	icis_address.state_code	
MailingAddressZipCode	N/A			icis_address.zip	
CountyName	N/A			icis_address.county	
MailingAddressCountryCode	N/A		Ref_country	icis_address.country_code	
DivisionName	N/A			icis_address.division_name	
LocationProvince	N/A			icis_address.province	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_address_phone.phone_type_code	PCS-based systems should use "OFF".
TelephoneNumber	N/A			icis_address_phone.telephone_nmbr	Same as PCS but without parentheses, spaces, dots or dashes.
TelephoneExtensionNumber	N/A			icis_address_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_address_electronic_addr.electronic_address_text	
StartDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfAddressAssociation	N/A			Table Name: Varies by module Column Name: end_date	

8.18.2 Rules for Parsing EPA Submitted Federal Compliance Monitoring XML Files

A summary of rules for Federal compliance monitoring data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Compliance Monitoring Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes

were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.

- Mass Deletes are applied first and Replaces are applied last.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

REPLACE

- If the compliance monitoring record does not exist it will be added along with any child other SIC, contact and address records. If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.
- Any replace transaction for a permit that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out.
- If a latitude is provided the longitude must be provided.
- If a longitude is provided the latitude must be provided.
- At least one Program Code containing "CWACAFO" must exist if CAFO inspection data is being submitted. At least one Program Code containing "CWACSO" must exist if CSO inspection data is being submitted. At least one Program Code containing "CWAPRTRT" must exist if Pretreatment inspection data is being submitted. At least one Program Code containing "CWASSO" must exist if SSO inspection data is being submitted. At least one Program Code containing "CWASTMC" or "CWASTMN" must exist if Storm Water inspection data is being submitted. At least one Program Code containing "CWASTMM" must exist if Storm Water MS4 inspection data is being submitted.

MASS DELETE

- If a Mass Delete transaction for a compliance monitoring record has non-mandatory tags along with the ProgramSystemAcronym, ProgramSystemIdentifier, FederalStatuteCode, ComplianceMonitoringActivityTypeCode, ComplianceMonitoringCategoryCode and ComplianceMonitoringDate tags they will be ignored.
- Mass Delete of a Compliance Monitoring record will result in the removal of its special regulatory programs and any linkages to other inspections, enforcement actions or program reports from ICIS.

8.19 COMPLIANCE MONITORING LINKAGE MAPPING AND RULES

8.19.1 Compliance Monitoring Linkage Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
ComplianceMonitoringCategoryCode	Inspection Type (TYPI)	280	Ref_comp_monitor_category	icis_comp_monitor.comp_monitor_category_code	Codes have been reassigned to generate compliance inspection type, compliance monitoring category, program codes.
ComplianceMonitoringDate	Inspection Date (DTIN)			icis_activity.actual_end_date	Same as PCS. The format for ICIS is ccyy-mm-dd.
LinkageSingleEvent					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
SingleEventViolationCode	Single Event Violation Code (SVCD)	550	Ref_violation	icis_npdes_violation.violation_code	Same as PCS but many duplicate codes have been reassigned to one code.
SingleEventViolationDate	Single Event Violation Date (SVDT)			icis_npdes_violation.single_event_violation_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Must be between the permit's effective date and the submission date.
LinkageEnforcementAction					
EnforcementActionIdentifier	N/A			icis_enforcement.enf_identifier	PCS uses a docket number. ICIS uses a unique ID for an enforcement action and the format is SS-

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					xxxxxxxxxxxxxxxx where SS is the state code and xxxxxxxxxxxxxxxx is a unique alphanumeric string between 1 and 17 characters long for an enforcement action that exists in ICIS.
LinkageBiosolidsReport					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
ReportCoverageEndDate	Date of Inspection (DTIN)			icis_prog_rpt_biosolid.rpt_coverage_end_date	Same as PCS. The format for ICIS is ccyy-mm-dd.
LinkageCAFOAnnualReport					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermittingAuthorityReportReceivedDate	N/A			icis_prog_rpt.report_date	
LinkageCSOEventReport					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
CSOEventDate	N/A			icis_prog_rpt.report_date	
CSOEventID	N/A			icis_prog_rpt.program_report_nmbr	
LinkageLocalLimitsReport					

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermittingAuthorityReportReceivedDate	N/A			icis_prog_rpt.report_date	
LinkagePretreatmentPerformanceReport					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PretreatmentPerformanceSummaryEndDate	Date of Inspection (DTIN)			icis_prog_rpt.report_date	
LinkageSSOAnnualReport					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
SSOAnnualReportReceivedDate	N/A			icis_prog_rpt.report_date	
LinkageSSOMonthlyEventReport					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
SSOMonthlyReportReceived	N/A			icis_prog_rpt.report_date	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
Date					
LinkageSSOEventReport					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
SSOEventDate	N/A			icis_prog_rpt.report_date	Must be on or before the submission date.
SSOEventID	N/A			icis_prog_rpt.program_report_nmbr	
LinkageSWEventReport					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
DateStormEventSampled	N/A			icis_prog_rpt.report_date	
StormWaterEventID	N/A			icis_prog_rpt.program_report_nmbr	
LinkageSWMS4Report					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
StormWaterMS4ReportReceivedDate	N/A			icis_prog_rpt.report_date	
LinkageStateComplianceMonitoring					
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
ComplianceMonitoringCategoryCode	Inspection Type (TYPI)	280	Ref_comp_monitor_category	icis_comp_monitor.comp_monitor_category_code	Codes have been reassigned to generate compliance inspection type, compliance monitoring category, program codes.
ComplianceMonitoringDate	Inspection Date (DTIN)			icis_activity.actual_end_date	Same as PCS. The format for ICIS is ccyy-mm-dd.
LinkageFederalComplianceMonitoring					
ProgramSystemAcronym				icis_facility_interest.pgm_sys_acrnm	The facility assigned to the program system must exist in ICIS.
ProgramSystemIdentifier	Permit Number (NPID)			icis_facility_interest.pgm_sys_id	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
FederalStatuteCode				xref_activity_law_section.statute_code	Federal Statute must be a valid (i.e., Active) code with Activity_Group_Code = CMM in the XREF_PROGRAM_LAW_SECTION table.
ComplianceMonitoringActivityTypeCode				icis_activity.activity_type_code	Valid choices are: • INS (Inspection/Evaluation) • INV (Investigation) • INF (Information Request) • OSR (Offsite Record Review)
ComplianceMonitoringCategoryCode	Inspection Type (TYPI)	280	Ref_comp_monitor_category	icis_comp_monitor.comp_monitor_category_code	PCS codes have been reassigned to generate compliance inspection type, compliance monitoring category, program codes.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ComplianceMonitoringDate	Inspection Date (DTIN)			icis_activity.actual_end_date	Same as PCS. The format for ICIS is ccyy-mm-dd. Must be earlier than or on the date of submission to ICIS.

8.19.2 Rules for Parsing EPA Submitted Compliance Monitoring Linkage XML Files

A summary of rules for compliance monitoring linkage data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Compliance Monitoring Linkage Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first and Replaces are applied last.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

REPLACE

- Only state compliance monitoring records can be linked to an activity, and only one activity can be linked to a compliance monitoring record at a time.
- If the compliance monitoring record is not already linked to the activity it will be linked.
- If the compliance monitoring record is already linked to the activity the transaction will be accepted.

MASS DELETE

- Only state compliance monitoring records have links to an activity deleted, and only one activity can be deleted from a compliance monitoring record at a time.
- Mass Delete of a Compliance Monitoring Linkage will result in only the removal of a linkage to an activity from the compliance monitoring record in ICIS. The compliance monitoring record and the activity it was linked to will continue to exist in ICIS.

8.20 PROGRAM REPORT MAPPING AND RULES

8.20.1 Program Report Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
BIOSOLIDS					
ReportCoverageEndDate	Date of Inspection (DTIN)			icis_prog_rpt_biosolid.rpt_coverage_end_date	Same as PCS. The format for ICIS is ccyy-mm-dd.
NumberOfReportUnits	N/A			icis_prog_rpt_biosolid.rpt_unit_nmbr	
EQProductDistributedMarketedAmount	N/A			icis_prog_rpt_biosolid.eq_product_amt	
LandAppliedAmount	N/A			icis_prog_rpt_biosolid.land_applied_amt	
IncineratedAmount	N/A			icis_prog_rpt_biosolid.incinerated_amt	
CodisposedInMSWLandfillAmount	N/A			icis_prog_rpt_biosolid.co_disposed_amt	
SurfaceDisposalAmount	N/A			icis_prog_rpt_biosolid.surface_dis	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				posal_amt	
ManagedOtherMethodsAmount	N/A			icis_prog_rpt_biosolid.other_method_amt	
ReceivedOffsiteSourcesAmount	N/A			icis_prog_rpt_biosolid.os_source_amt	
TransferredAmount	N/A			icis_prog_rpt_biosolid.transferred_amt	
DisposedOutOfStateAmount	N/A			icis_prog_rpt_biosolid.os_disposed_amt	
BeneficiallyUsedOutOfStateAmount	N/A			icis_prog_rpt_biosolid.os_beneficially_used_amt	
ManagedOtherMethodsOutOfStateAmount	N/A			icis_prog_rpt_biosolid.os_other_method_amt	
TotalRemovedAmount	N/A			icis_prog_rpt_biosolid.total_removed_amt	
AnnualDrySludgeProductionNumber	N/A			icis_prog_rpt_biosolid.annual_dry_sludge	
AnnualLoadingParameterDate	N/A			icis_prog_rpt_biosolid.annual_loading_parm_date	
AnnualLoadingBiosolidsGallons	N/A			icis_prog_rpt_biosolid.annual_loading_biosolid_gallon	
AnnualLoadingBiosolidDMT	N/A			icis_prog_rpt_biosolid.annual_loading_biosolid_dmt	
AnnualLoadingNutrientNitrogen	N/A			icis_prog_rpt_biosolid.annual_loading_nitrogen	
AnnualLoadingNutrientPhosphorus	N/A			icis_prog_rpt_biosolid.annual_loading_phosphorus	
TotalNumberLandApplicationViolations	Number of Sludge Land Violations (SLVL)			icis_prog_rpt_biosolid.sludge_violation_land	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
TotalNumberIncineratorViolations	Number of Sludge Incinerator Violations (SLVI)			icis_prog_rpt_biosolid.sludge_violation_incinerator	Same as PCS.
TotalNumberDistributionMarketingViolations	Number of Sludge Distribution and Marketing Violations (SLVD)			icis_prog_rpt_biosolid.sludge_violation_distribution	Same as PCS.
TotalNumberSludgeRelatedManagementPracticeViolations	Number of Sludge Management Violations(SLVP)			icis_prog_rpt_biosolid.sludge_violation_management	Same as PCS.
TotalNumberSurfaceDisposalViolations	Number of Sludge Surface Disposal Violations (SLVS)			icis_prog_rpt_biosolid.sludge_violation_surface	Same as PCS.
TotalNumberOtherSludgeViolations	Number of Other Sludge Violations (SLOT)			icis_prog_rpt_biosolid.sludge_violation_other	Same as PCS.
TotalNumberCodisposalViolations	Number of Sludge Codisposal Violations (SLCD)			icis_prog_rpt_biosolid.sludge_violation_co_disposal	Same as PCS.
BiosolidsReportComments	Sludge Related Comments (SLI1+SLI2+SLI3)			icis_prog_rpt_biosolid. comment_text	Same as PCS.
CAFO					
PermittingAuthorityReportReceivedDate	N/A			icis_prog_rpt.report_date	
DischargesDuringYearProductionAreaIndicator	N/A			icis_prog_rpt_cafo.discharge_from_prod_flag	
AnimalTypeCode	N/A		Ref_animal_type	icis_perm_cafo_animal_type.animal_type_code	
OtherAnimalTypeName	N/A			icis_perm_cafo_animal_type.animal_type_other	Must be present only when AnimalType contains “OTH”.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
TotalNumbersEachLivestock	N/A			icis_perm_cafo_animal_type.total_nmbr	If AnimalTypeCode is provided, this must be a value greater than zero.
SolidManureLitterGeneratedAmount	N/A			icis_prog_rpt_cafo.solid_manure_generated_amt	
LiquirdManureWastewaterGeneratedAmount	N/A			icis_prog_rpt_cafo.liquid_manure_generated_amt	
SolidManureLitterTransferAmount	N/A			icis_prog_rpt_cafo.solid_manure_transferred_amt	
LiquidManureWastewaterTransferAmount	N/A			icis_prog_rpt_cafo.liquid_manure_transferred_amt	
NMPDevelopedCertifiedPlannerApprovedIndicator	N/A			icis_prog_rpt_cafo.nmp_flag	
TotalNumberAcresNMPIdentified	N/A			icis_prog_rpt_cafo.nmp_acres	
TotalNumberAcresUsedLandApplication	N/A			icis_prog_rpt_cafo.land_application_acres	
CSO					
CSOEventDate	N/A			icis_prog_rpt.report_date	
CSOEventID	N/A			icis_prog_rpt.program_report_nmbr	
DryOrWetWeatherIndicator	N/A			icis_prog_rpt_cso.weather_dry_wet_flag	
PermittedFeatureIdentifer	N/A			icis_prog_rpt_cso.perm_feature_id	
LatitudeMeasure	Facility Latitude (FLAT) or Pipe Latitude (PLAT)			icis_prog_rpt_cso.latitude_measure	PCS uses fixed format of hemisphere (+ or -), degrees, minutes, seconds, and tenths of a second (HDDMMSST). ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank. Use the following formula to convert to decimal degrees:

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					Decimal Degrees value = HD.A A = [(M + S.T/60)/60] where A = the decimal part of the number D = degrees M = minutes S = seconds T = tenths of a second
LongitudeMeasure	Facility Longitude (FLON) or Pipe Longitude (PLON)			icis_prog_rpt_cso.longitude_measure	PCS uses fixed format of hemisphere (+ or -), degrees, minutes, seconds, and tenths of a second (HDDDMMSST). ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank. Use the following formula to convert to decimal degrees: Decimal Degrees value = HD.A A = [(M + S.T/60)/60] where A = the decimal part of the number D = degrees M = minutes S = seconds T = tenths of a second
CSOOverflowLocationStreet	N/A			icis_prog_rpt_cso.overflow_location	
DurationCSOOverflowEvent	N/A			icis_prog_rpt_cso.overflow_duration	
DischargeVolumeTreated	N/A			icis_prog_rpt_cso.discharge_volume_treated	
DischargeVolumeUntreated	N/A			icis_prog_rpt_cso.discharge_volume_untreated	
CorrectiveActionTakenDescri	N/A			icis_prog_rpt_cso.corrective_actio	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ptionText				n	
InchesPrecipitation	N/A			icis_prog_rpt_cso.precipitation	
LOCAL LIMITS					
PermittingAuthorityReportReceivedDate	N/A			icis_prog_rpt.report_date	
MostRecentDateTechnicalEvaluationForLocalLimits	Technical Evaluation for Local Limits (EVLL)			icis_prog_rpt_pretreatment.most_recent_eval_date	If EVLL contains Y or P use DTIA. The format for ICIS is ccyy-mm-dd.
MostRecentDateAdoptionTechnicallyBasedLocalLimits	Adoption of Technically Based Local Limits (ADLL)			icis_prog_rpt_pretreatment.most_recent_adopt_date	If ADLL contains Y use DTIA. The format for ICIS is ccyy-mm-dd.
LocalLimitsPollutantCode	N/A		Ref_pollutant	icis_rpt_pre_removal_credit.pollutant_code	Must be present if MostRecentDateAdoptionTechnicallyBasedLocalLimits exists.
MostRecentDateRemovalCreditsApproval	Removal Credits Approval Date (RCRD)			icis_prog_rpt_pretreatment.most_recent_credit_approv_date	Same as PCS. The format for ICIS is ccyy-mm-dd. Must be present if RemovalCreditsApplicationStatusCode contains “APP”.
RemovalCreditsApplicationStatusCode	Removal Credits (RECR)	670	Ref_removal_status	icis_prog_rpt_pretreatment.removal_status_code	Same as PCS but codes may have been added, changed or removed.
RemovalCreditsPollutantCode	N/A		Ref_pollutant	icis_rpt_pre_removal_credit.pollutant_code	Must be present if MostRecentDateRemovalCreditsApproval exists.
PRETREATMENT PERFORMANCE SUMMARY					
PretreatmentPerformanceSummaryEndDate	N/A			icis_prog_rpt.report_date	
PretreatmentPerformanceSummaryStartDate	N/A			icis_prog_rpt_pretreatment.performance_start_date	If provided, it must be on or before the

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					PretreatmentPerfornanceSummaryEndDate.
SUOReference	N/A			icis_prog_rpt_pretreatment.suo_reference	
SUODate	N/A			icis_prog_rpt_pretreatment.suo_date	
AcceptanceHazardousWaste	Acceptance of Hazardous Waste (RCRA)			Icis_prog_rpt_pretreatment.accept_haz_flag	Same as PCS.
AcceptanceNonHazardousIndustrialWaste	N/A			icis_prog_rpt_pretreatment.accept_hauled_non_haz_flag	
AcceptanceHauledDomesticWastes	N/A			icis_prog_rpt_pretreatment.accept_hauled_domestic_flag	
AnnualPretreatmentBudget	Annual Pretreatment Budget (BUDG)			icis_prog_rpt_pretreatment.annual_budget	Same as PCS.
InadequacySamplingInspectionIndicator	Deficiencies in POTW Sampling of IUs (SMDF)	660		icis_prog_rpt_pretreatment.adequate_resource_flag	If empty set to “N”, else set to “Y”.
AdequacyPretreatmentResources	Inadequacies in Pretreatment Resources (RESO)	600		icis_prog_rpt_pretreatment.adequate_resource_flag	If empty set to “N”, else set to “Y”.
DeficienciesIdentifiedDuringIUFileReview	Deficiencies Noted in File Review (FIDF)	570		icis_prog_rpt_pretreatment.deficiency_identified_flag	If empty set to “N”, else set to “Y”.
ControlMechanismDeficiencies	Control Mechanism Deficiences (CMDF)	580		icis_prog_rpt_pretreatment.deficiency_control_mech_flag	If empty set to “N”, else set to “Y”.
LegalAuthorityDeficiencies	Legal Authority Deficiencies (LADF)	590		icis_prog_rpt_pretreatment.deficiency_legal_flag	If empty set to “N”, else set to “Y”.
DeficienciesInterpretationAp	Deficiencies in	630		icis_prog_rpt_pretreatment.deficie	If empty set to “N”, else set to “Y”.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
plicationPretreatmentStandards	Interpretation/Application of Standards (APDF)			ncy_interpretation_flag	
DeficienciesDataManagementPublicPaticipation	Deficiencies in Data Mgt & Public Participation (DMDF)	610		icis_prog_rpt_pretreatment.deficiency_data_mgnt_flag	If empty set to "N", else set to "Y".
ViolationIUScheduleRemedialMeasures	Violation to Schedule for Remedial Measures (VSCH)			icis_prog_rpt_pretreatment.violation_of_schedule_flag	Same as PCS.
FormalResponseViolationIUScheduleRemedialMeasures	Response to Schedule for Remedial Measures (RSCH)			icis_prog_rpt_pretreatment.formal_response_flag	Same as PCS.
AnnualFrequencyInfluentToxicantSampling	Frequency of Influent Toxicant Sampling (TXIN)			icis_prog_rpt_pretreatment.freq_influent_toxicant_nmbr	Same as PCS.
AnnualFrequencyEffluentToxicantSampling	Frequency of Effluent Toxicant Sampling (TXEF)			icis_prog_rpt_pretreatment.freq_effluent_toxicant_nmbr	Same as PCS.
AnnualFrequencySludgeToxicantSampling	Frequency of Sludge Toxicant Sampling (TXSL)			icis_prog_rpt_pretreatment.freq_sludge_toxicant_nmbr	Same as PCS.
NumberSIUs	Number of SIUs (SIUS)			icis_prog_rpt_pretreatment.siu_nmbr	Same as PCS. Must exist in order for other SIU tags to be present.
SIUsWithoutControlMechanism	SIUs without Control Mechanisms (NOCM)			icis_prog_rpt_pretreatment.siu_wo_control_mech_nmbr	Same as PCS.
SIUsNotInspected	SIUs Not Samples or Inspected (NOIN)			icis_prog_rpt_pretreatment.siu_not_inspected_nmbr	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
SIUsNotSampled	Number SIUs Not Sampled or Inspected at Required Frequency (NINF)			icis_prog_rpt_pretreatment.siu_not_sampled_nmbr	Same as PCS.
SIUsOnSchedule	SIUs on Compliance Schedules (SOCS)			icis_prog_rpt_pretreatment.siu_schedule	Same as PCS.
SIUsSNCWithPretreatmentStandards	SIUS in SNC w/Pretreatment Standards (SNPS)			icis_prog_rpt_pretreatment.siu_snc_pre_std_nmbr	Same as PCS.
SIUsSNCWithReportingRequirements	SIUs in SNC with Reporting Requirements (RSNC)			icis_prog_rpt_pretreatment.siu_snc_rpt_requirement_nmbr	Same as PCS.
SIUsSNCWithPretreatmentSchedule	SIUs in SNC with Pretreatment Compliance Schedule (SSNC)			icis_prog_rpt_pretreatment.siu_snc_pretreatment_schedule	Same as PCS.
SIUsSNCPublishedNewspaper	SIUs with Significant Violations Published in Newspaper (SVPU)			icis_prog_rpt_pretreatment.siu_snc_published_news	Same as PCS.
ViolationNoticesIssuedSIUs	Violation Notices Issued to SIUs (VINO)			icis_prog_rpt_pretreatment.siu_violation_notice_nmbr	Same as PCS.
AdministrativeOrdersIssuedSIUs	Administrative Orders Issued to SIUs (ADOR)			icis_prog_rpt_pretreatment.siu_admin_order_nmbr	Same as PCS.
CivilSuitsFiledAgainstSIUs	Civil Suits Filed Against SIUs (CIVL)			icis_prog_rpt_pretreatment.siu_admin_suit_nmbr	Same as PCS.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
CriminalSuitsFiledAgainstSIUs	Criminal Suits Filed Against SIUs (CRIM)			icis_prog_rpt_pretreatment.siu_criminal_suit_nmbr	Same as PCS.
DollarAmountPenaltiesCollected	Dollar Amount of Penalties Collected (PAMT)			icis_prog_rpt_pretreatment.penalties_collected_amt	Same as PCS.
IUsWhichPenaltiesHaveBeenCollected	Industrial Users Penalties Collected (IUPN)			icis_prog_rpt_pretreatment.iu_penalties_collected_amt	Same as PCS.
NumberCIUs	Number of CIUs (CIUS)			icis_prog_rpt_pretreatment.ciu_nmbr	Same as PCS.
CIUsInSNC	CIUs in SNC (CISN)			icis_prog_rpt_pretreatment.ciu_in_snc_nmbr	Same as PCS. Must be less than or the same as the NumberCIUs.
PassThroughInterferenceIndicator	Passthrough Indicator (PASS), Interference Indicator (INTF)			icis_prog_rpt_pretreatment.passthrough_flag	If either contain Y then use "Y".
MostRecentDateTechnicalEvaluationForLocalLimits	Technical Evaluation for Local Limits (EVLL)			icis_prog_rpt_pretreatment.most_recent_eval_date	If EVLL contains Y or P use DTIA. The format for ICIS is ccyy-mm-dd.
MostRecentDateAdoptionTechnicallyBasedLocalLimits	Adoption of Technically Based Local Limits (ADLL)			icis_prog_rpt_pretreatment.most_recent_adopt_date	If ADLL contains Y use DTIA. The format for ICIS is ccyy-mm-dd.
LocalLimitsPollutantCode	N/A		Ref_pollutant	icis_pretreatment_local_limit.pollutant_code	Must be present if MostRecentDateAdoptionTechnicallyBasedLocalLimits exists.
MostRecentDateRemovalCreditsApproval	Removal Credits Approval Date (RCRD)			icis_prog_rpt_pretreatment.most_recent_credit_approv_date	Same as PCS. The format for ICIS is ccyy-mm-dd. Must be present if RemovalCreditsApplicationStatusCode contains "APP".
RemovalCreditsApplicationSt	Removal Credits	670		icis_prog_rpt_pretreatment.remova	Same as PCS but codes may have

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
atusCode	(RECR)			l_credit_app_status_flag	been added, changed or removed.
RemovalCreditsPollutantCode	N/A		Ref_pollutant	icis_pretreatment_removal_cred.removal_credit	Must be present if MostRecentDateRemovalCreditsApproval exists.
SSO EVENT					
SSOEventDate	N/A			icis_prog_rpt.report_date	Must be on or before the submission date.
SSOEventID	N/A			icis_prog_rpt.program_report_nmbr	
CauseSSOOverflowEvent	N/A			icis_prog_rpt_sso.overflow_cause	
LatitudeMeasure	N/A			icis_prog_rpt_sso.latitude_measure	
LongitudeMeasure	N/A			icis_prog_rpt_sso.longitude_measure	
SSOOverflowLocationStreet	N/A			icis_prog_rpt_sso.overflow_location	
DurationSSOOverflowEvent	N/A			icis_prog_rpt_sso.overflow_duration	
SSOVolume	N/A			icis_prog_rpt_sso.overflow_volume	
NameReceivingWater	N/A			icis_prog_rpt_sso.receiving_water	
ImpactSSOEvent	N/A		Ref_sso_impact	icis_prog_rpt_sso_impact.sso_impact_code	
SystemComponent	N/A		Ref_system_component	icis_prog_rpt_sso_component.system_component_code	
OtherSystemComponent	N/A			icis_prog_rpt_sso.other_component	Must be present only when SystemComponent contains “OTH”.
StepsReducePreventMitigate	N/A		Ref_sso_reaction	icis_prog_rpt_sso_reaction.sso_reaction_code	
OtherStepsReducePreventMitigate	N/A			icis_prog_rpt_sso.other_sso_reaction	Must be present only when StepsReducePreventMitigate contains “OTH”.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
DescriptionStepsTaken	N/A			icis_prog_rpt_sso.steps_taken	
SSO ANNUAL					
SSOAnnualReportReceivedDate	N/A			icis_prog_rpt.report_date	
SSOAnnualReportYear	N/A			icis_prog_rpt_frequency_sso.sso_event_year	
NumberSSOEventsPerYear	N/A			icis_prog_rpt_frequency_sso.sso_event_nmbr	
VolumeSSOEventsPerYear	N/A			icis_prog_rpt_frequency_sso.sso_event_volume	
SSO MONTHLY					
SSOMonthlyReportReceivedDate	N/A			icis_prog_rpt.report_date	
SSOMonthlyEventMonth	N/A			icis_prog_rpt_frequency_sso.sso_event_month	
SSOMonthlyEventYear	N/A			icis_prog_rpt_frequency_sso.sso_event_year	
NumberSSOEventsReachUSWatersPerMonth	N/A			icis_prog_rpt_frequency_sso.sso_event_nmbr	
VolumeSSOEventsReachUSWatersPerMonth	N/A			icis_prog_rpt_frequency_sso.sso_event_volume	
SW EVENT					
DateStormEventSampled	N/A			icis_prog_rpt.report_date	
StormWaterEventID				icis_prog_rpt.program_report_nmbr	
PermittedFeatureIdentifier	N/A			icis_prog_rpt_sw.perm_feature_id	
RainfallStormEventSampledNumber	N/A			icis_prog_rpt_sw.event_sampled_nmbr	
DurationStormEventSampled	N/A			icis_prog_rpt_sw.event_sampled_duration	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
VolumeDischargeSample	N/A			icis_prog_rpt_sw.discharge_volume	
DurationSinceLastStormEvent	N/A			icis_prog_rpt_sw.days_since_last_event	
SamplingBasisIndicator	N/A			icis_prog_rpt_sw.sample_basis_flag	
PrecipitationForm	N/A			icis_prog_rpt_sw.precipitation_form_flag	
SampleTakenWithinTimeframeIndicator	N/A			icis_prog_rpt_sw.within_timeframe_flag	
TimeExceedanceRationaleCode	N/A			icis_prog_rpt_sw.time_exceed_rationale_code	
EssentiallyIdenticalOutfallNotification	N/A			icis_prog_rpt_sw.outfall_notification	
MonitoringExemptionRationaleIndicator	N/A			icis_prog_rpt_sw.monitoring_exemption_code	
PollutantMonitoringBasisCode	N/A			icis_prog_rpt_sw.monitoring_basis_code	
SW MS4					
StormWaterMS4ReportReceivedDate	N/A			icis_prog_rpt.report_date	
MS4AnnualExpenditureDollars	N/A			icis_prog_rpt_sw_ms4.ms4_annual_expenditure	
MS4AnnualExpenditureYear	N/A			icis_prog_rpt_sw_ms4.ms4_annual_expenditure_year	
MS4BudgetDollars	N/A			icis_prog_rpt_sw_ms4.ms4_budget	
MS4BudgetYear	N/A			icis_prog_rpt_sw_ms4.ms4_budget_year	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ProjectedSourcesFundingCode	N/A			icis_prog_rpt_sw_ms4.source_funding_code	
MajorOutfallEstimatedMeasureIndicator	N/A			icis_prog_rpt_sw_ms4.major_outfall_est_measure_flag	Must be present when MajorOutfallNumber contains a value greater than zero.
MajorOutfallNumber	N/A			icis_prog_rpt_sw_ms4.major_outfall_measure_nmbr	
MinorOutfallEstimatedMeasureIndicator	N/A			icis_prog_rpt_sw_ms4.minor_outfall_est_measure_flag	Must be present when MinorOutfallNumber contains a value greater than zero.
MinorOutfallNumber	N/A			icis_projg_rpt_sw_ms4.minor_outfall_measure_nmbr	
AffiliationTypeText	N/A		Ref_affiliation_type	xref_prog_rpt_sw_addr.affiliation_type_code, xref_prog_rpt_sw_contact.affiliation_type_code, xref_prog_rpt_sw_ms4_addr.affiliation_type_code, xref_prog_rpt_sw_ms4_contact.affiliation_type_code	In ICIS, contacts and addresses are assigned their own set of affiliation type codes to choose from. Stormwater MS4 program report contacts and addresses may have affiliation type codes of SW4, OCT and UNK. Stormwater program report contacts and addresses may have affiliation type codes of SWR, OCT and UNK.
FirstName	N/A			icis_contact.first_name	
MiddleName	N/A			icis_contact.middle_name	
LastName	N/A			icis_contact.last_name	
IndividualTitleText	N/A			icis_contact.title	
OrganizationFormalName	N/A			icis_contact.organization_formal_name, icis_address.organization_formal_name	
StateCode	N/A		Ref_state	icis_contact.state_code	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
RegionCode	N/A		Ref_region	icis_contact.region_code	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_contact_phone.phone_type_code	
TelephoneNumber	N/A			icis_contact_phone.telephone_nmbr	
TelephoneExtensionNumber	N/A			icis_contact_phone.telephone_extension_nmbr	
ElectronicAddressText	N/A			icis_contact_electronic_addr.electronic_address_text	
StartDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: begin_date	
EndDateOfContactAssociation	N/A			Table Name: Varies by module Column Name: end_date	
OrganizationDUNSNumber	N/A			icis_address.organization_duns_numbr	
MailingAddressText	N/A			icis_address.street_address	
SupplementalAddressText	N/A			icis_address.supplemental_address_text	
MailingAddressCityName	N/A			icis_address.city	
MailingAddressStateCode	N/A		Ref_state	icis_address.state_code	
MailingAddressZipCode	N/A			icis_address.zip	
CountyName	N/A			icis_address.county	
MailingAddressCountryCode	N/A		Ref_country	icis_address.country_code	
DivisionName	N/A			icis_address.division_name	
LocationProvince	N/A			icis_address.province	
TelephoneNumberTypeCode	N/A		Ref_phone_type	icis_address_phone.phone_type_code	PCS-based systems should use “OFF”.
TelephoneNumber	N/A			icis_address_phone.telephone_nmbr	
TelephoneExtensionNumber	N/A			icis_address_phone.telephone_exte	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
				nsion_nmbr	
ElectronicAddressText	N/A			icis_address_electronic_addr.electronic_address_text	
StartDateOfAddressAssociation	N/A			xref_prog_rpt_sw_addr.begin_date, xref_prog_rpt_sw_ms4_addr.begin_date	
EndDateOfAddressAssociation	N/A			xref_prog_rpt_sw_addr.end_date, xref_prog_rpt_sw_ms4_addr.end_date	

8.20.2 Rules for Parsing State Submitted Program Report XML Files

A summary of rules for processing program report data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Program Report Technical Specification document.

OVERALL

- Master General Permits and Unpermitted Facilities cannot have a Program Report in ICIS.
- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first and Replaces are applied last.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

REPLACE

- Any replace transaction for a Program Report that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction, resulting in a new Program Report record being added to ICIS along with any contact records.
- Any replace transaction for a Program Report that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out.
- If a latitude is provided the longitude must either be provided or already exist in the ICIS record.
- If a longitude is provided the latitude must either be provided or already exist in the ICIS record.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.
- Multi-value tags must have all possible values submitted for them (e.g., all Stormwater contacts) instead of the one that changed in order to avoid removing values unnecessarily (refer to Section 3.5.4.1 for details on multi-value tags).

MASS DELETE

- A Program Report cannot be deleted if it is linked to a DMR or an inspection. These links must be removed before submitting a Mass Delete transaction for the Program Report.
- If a Mass Delete transaction for a program report record has non-mandatory tags along with the PermitIdentifier and report date tags they will be ignored.
- Mass Delete of a Program Report record will result in its removal from ICIS.

8.21 FORMAL ENFORCEMENT ACTION MAPPING AND RULES

8.21.1 Formal Enforcement Action Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
EnforcementActionIdentifier	N/A			icis_enforcement.enf_identifier	PCS uses a docket number. ICIS uses a unique ID for an enforcement action and the format is SS-xxxxxxxxxxxxxxxx where SS is the

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					state code and xxxxxxxxxxxxxxxx is a unique alphanumeric string between 1 and 17 characters long.
PermitIdentifier	NPID			icis_facility_interest.pgm_sys_id	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6. The Linked NPDES ID for the Facility Interest of the Formal Enforcement Action must exist in ICIS and must have a Program System Acronym of "NPDES".
EnforcementActionName	N/A			icis_enforcement.enf_name	
Forum	N/A			N/A	Use "JDC" for judicial actions or "AFR" for administrative actions
EnforcementActionTypeCode	ENAC	030	Ref_enf_type	xref_enf_type.enf_type_code	PCS codes have been reassigned to derive state administrative or state judicial enforcement action type and final order type.
ProgramsViolatedCode	N/A		Ref_program	xref_activity_program.program_code	Must be an Active code with npdes_program_flag = Y in the REF_PROGRAM table.
ResolutionTypeCode	N/A		Ref_outcome	icis_enforcement.enf_outcome_code	
CombinedOrSupersededByEAID	N/A			icis_related_enf.related_activity_id	
ReasonDeletingRecord	N/A			icis_enforcement_aud.delete_reason	Must be present when deleting a formal enforcement action. Must not be present when adding, changing or replacing a formal enforcement action.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
FormalEAUserDefinedField1	RDH1			icis_regional_data.string1	
FormalEAUserDefinedField2	RDH2			icis_regional_data.string2	
FormalEAUserDefinedField3	N/A			icis_regional_data.string3	
FormalEAUserDefinedField4	N/A			icis_regional_data.date1	
FormalEAUserDefinedField5	N/A			icis_regional_data.date2	
FormalEAUserDefinedField6	N/A			icis_regional_data.string4	
FinalOrderIdentifier	N/A			icis_enf_conclusion.enf_conclusion_nmbr	
FinalOrderTypeCode	ENAC	030	Ref_enf_conclusion_action	icis_enf_conclusion.enf_conclusion_action_code	PCS codes have been reassigned to derive enforcement action type and final order type.
FinalOrderPermitIdentifier	NPID			icis_facility_interest.pgm_sys_id	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6. The Linked NPDES ID for the Facility Interest of the Formal Enforcement Action must exist in ICIS and must have a Program System Acronym of "NPDES".
FinalOrderIssuedEnteredDate	ENDT or APFO			icis_enf_conclusion.settlement_entered_date, icis_enf_conclusion.settlement_lodged_date	Same as PCS. The format for ICIS is ccyy-mm-dd.
NPDESClosedDate	N/A			icis_enf_conclusion.npdes_closed_date	Same as PCS. The format for ICIS is ccyy-mm-dd.
FinalOrderQNCRComments	ECM1+ECM2+ECM3+ECM4+ECM5+ECM6+ECM7+ECM8+ECM9+EC			icis_enf_conclusion.qncr_comment_text	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	M0				
CashCivilPenaltyRequiredAmount	APAM			icis_penalty.penalty_required_amt	
OtherComments	N/A			icis_enf_conclusion.enf_conclusion_text	
EnforcementAgencyTypeCode	ENAC	030	Ref_agency_type	xref_activity_agency_type.agency_type_code	Must be an Active code in the REF_AGENCY_TYPE table with activity_group_code = EFA.
AgencyLeadIndicator	N/A			xref_activity_agency_type.agency_lead _flag	Only one Enforcement Agency Type can be designated with Agency Lead Indicator Code = Y.
EnforcementAgencyName	N/A			icis_enforcement.agency_name	
ElectronicAddressText	N/A			icis_person_electronic_address.electronic_address_text	The Government Contact identified by Email Address must exist in ICIS with an affiliation category of "Government".
AffiliationTypeText	N/A		Ref_affiliation_type	xref_activity_person.affiliation_type_code	Must be a valid code for Government contacts. Only one record for Lead EPA Attorney (LEA) may exist in ICIS.
StartDateOfContactAssociation	N/A			xref_activity_person.begin_date	If tag is not present when adding a record the date the data is processed by ICIS will be used.
EndDateOfContactAssociation	N/A			xref_activity_person.end_date	

8.21.2 Rules for Parsing State Submitted Formal Enforcement Action XML Files

A summary of rules for processing formal enforcement action data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Formal Enforcement Action Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, New transactions are applied second, Changes are applied third, and Replaces are applied last.
- A Permit Identifier cannot be removed from a Formal Enforcement Action if the permit is also linked to a violation that is linked to that Enforcement Action, or if it is the only Permit Identifier that is in common with an Inspection that is linked to the Enforcement Action.
- Refer to the *Formal Enforcement Action Technical Specification* document for information on automated generation of Formal Enforcement Action statuses and data requirements for resolution type codes.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

NEW

- A new Formal Enforcement Action record will be added along with any child formal order and contact records.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

CHANGE

- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in a Formal Enforcement Action's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-mandatory field in ICIS.
- Multi-value tags must have all possible values submitted for them (e.g., all Permit Identifiers) instead of the one that changed in order to avoid removing values unnecessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACE

- Any replace transaction for a Formal Enforcement Action that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction (see rules for New above).

- Any replace transaction for a Formal Enforcement Action that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out (see rules for Changes above).
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

MASS DELETE

- If a Mass Delete transaction for a Formal Enforcement Action record has non-mandatory tags along with the EnforcementActionIdentifier tag they will be ignored.
- Mass Delete of a Formal Enforcement Action record will result in the removal of any linkages to permits, inspections, violations and government contacts from ICIS. If one or more final orders with limits exist for the Formal Enforcement Action, they must be deleted separately before the Formal Enforcement Action can be deleted.

8.22 INFORMAL ENFORCEMENT ACTION MAPPING AND RULES

8.22.1 Informal Enforcement Action Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
EnforcementActionIdentifier	N/A			icis_enforcement.enf_identifier	PCS uses a docket number. ICIS uses a unique ID for an enforcement action and the format is SS-xxxxxxxxxxxxxxxx where SS is the state code and xxxxxxxxxxxxxxxx is a unique alphanumeric string between 1 and 17 characters long.
PermitIdentifier	NPID			icis_facility_interest.pgm_sys_id	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6. The Linked NPDES ID for the Facility Interest of the Informal

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					Enforcement Action must exist in ICIS and must have a Program System Acronym of "NPDES".
EnforcementActionTypeCode	ENAC	030	Ref_enf_type	xref_enf_type.enf_type_code	
EnforcementActionName	N/A			icis_enforcement.enf_name; icis_activity.activity_name	
AchievedDate	N/A			Icis_enforcement.achieved_date; icis_activity.actual_end_date	Must be present if the Informal Enforcement Action has Violations linked to it.
ProgramsViolatedCode	N/A		Ref_program	xref_activity_program.program_code	Must be a an Active code with npdes_program_flag = Y in the REF_PROGRAM table.
ReasonDeletingRecord	N/A			icis_enforcement_aud.delete_reason	Must be present when deleting an informal enforcement action. Must not be present when adding, changing or replacing an informal enforcement action.
InformalEACommentText	ECM1+ECM2+ECM3+ECM4+ECM5+ECM6+ECM7+ECM8+ECM9+ECM0			icis_enforcement.enf_summary_text	
InformalEAUserDefinedField1	RDH1			icis_regional_data.string1	
InformalEAUserDefinedField2	RDH2			icis_regional_data.string2	
InformalEAUserDefinedField3	N/A			icis_regional_data.string3	
InformalEAUserDefinedField4	N/A			icis_regional_data.date1	
InformalEAUserDefinedField5	N/A			icis_regional_data.date2	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
InformalEAUserDefinedField6	N/A			icis_regional_data.string4	
EnforcementAgencyTypeCode	ENAC	030	Ref_agency_type	xref_activity_agency_type.agency_type_code	Must be an Active code in the REF_AGENCY_TYPE table with activity_group_code = EFA.
AgencyLeadIndicator	N/A			xref_activity_agency_type.agency_lead _flag	Only one Enforcement Agency Type can be designated with Agency Lead Indicator Code = Y.
EnforcementAgencyName	N/A			icis_enforcement.agency_name	
ElectronicAddressText	N/A			icis_person_electronic_address.electronic_address_text	The Government Contact identified by Email Address must exist in ICIS with an affiliation category of "Government".
AffiliationTypeText	N/A		Ref_affiliation_type	xref_activity_person.affiliation_type_code	Must be a valid code for Government contacts. Only one record for Lead EPA Attorney (LEA) may exist in ICIS.

8.22.2 Rules for Parsing State Submitted Informal Enforcement Action XML Files

A summary of rules for processing informal enforcement action data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Informal Enforcement Action Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first, New transactions are applied second, Changes are applied third, and Replaces are applied last.

- A Permit Identifier cannot be removed from an Informal Enforcement Action if the permit is also linked to a violation that is linked to that Enforcement Action, or if it is the only Permit Identifier that is in common with an Inspection that is linked to the Enforcement Action.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

NEW

- A new Informal Enforcement Action record will be added along with any child and contact records.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

CHANGE

- A Change transaction must have all mandatory tags and at least one optional tag.
- Only the tags that are present in an Informal Enforcement Action's Change transaction will be saved to their corresponding fields in ICIS. All other fields in ICIS will remain unchanged.
- One asterisk must be used in a tag to blank out a non-mandatory field in ICIS.
- Multi-value tags must have all possible values submitted for them (e.g., all Permit Identifiers) instead of the one that changed in order to avoid removing values unnecessarily (refer to Section 3.5.4.1 for details on multi-value tags).

REPLACE

- Any replace transaction for an Informal Enforcement Action that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction (see rules for New above).
- Any replace transaction for an Informal Enforcement Action that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out (see rules for Changes above).
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

MASS DELETE

- If a Mass Delete transaction for an Informal Enforcement Action record has non-mandatory tags along with the EnforcementActionIdentifier tag they will be ignored.
- Mass Delete of an Informal Enforcement Action record will result in the removal of any linkages to permits, inspections, violations and government contacts from ICIS.

8.23 ENFORCEMENT ACTION MILESTONE MAPPING AND RULES

8.23.1 Enforcement Action Milestone Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
EnforcementActionIdentifier	N/A			icis_enforcement.enf_identifier	PCS uses a docket number. ICIS uses a unique ID for an enforcement action and the format is SS-xxxxxxxxxxxxxxxx where SS is the state code and xxxxxxxxxxxxxxxx is a unique alphanumeric string between 1 and 17 characters long for an enforcement action that exists in ICIS.
MilestoneTypeCode	N/A			icis_sub_activity.sub_activity_type_code	For a Judicial Formal Enforcement Action, Milestone Type Code must be one of the following: • RSAGJ (Referred to State Attorney General) • CMF (Complaint Filed with Court) • CLOSE (Enforcement Action Closed) For an Administrative Formal Enforcement Action, Milestone Type Code must be one of the following: • CPOA (Complaint/Proposed Order) • CLSA (Enforcement Action Closed)

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
MilestonePlannedDate	N/A			icis_sub_activity.planned_date	
MilestoneActualDate	N/A			icis_sub_activity.actual_date	Must be on or before the date of the submission.

8.23.2 Rules for Parsing State Submitted Enforcement Action Milestone XML Files

A summary of rules for processing enforcement action milestone data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Enforcement Action Milestone Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code in ICIS.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

REPLACE

- A Replace transaction will result in a change to data within an existing enforcement action milestone record in ICIS. Milestones cannot be added or removed from ICIS. If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.
- A Replace transaction must have all mandatory tags and at least one optional tag.
- Any replace transaction for an enforcement action milestone in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. All of the other fields in ICIS will be blanked out.
- For Judicial enforcement actions, ICIS milestones actual dates must be in chronological order. The Referred to State Attorney General Actual Date must be on or after the date the enforcement action was added to ICIS. The Complaint Filed with Court Actual Date must be on or after the Referred to State Attorney General Actual Date. The Enforcement Action Closed Actual

Date must be on or after the Complaint Filed with Court Actual Date and the NPDES Closed Actual Date that is generated by ICIS.

- For Administrative enforcement actions, ICIS milestone actual dates must be in chronological order. The Complaint/Proposed Order Actual Date must be on or after the date the enforcement action was added to ICIS. The Enforcement Action Closed Actual Date must be on or after the Complaint/Proposed Order Actual Date and the NPDES Closed Actual Date that is generated by ICIS.
- The Complaint/Proposed Order Actual Date cannot be deleted when a Final Order exists for the Enforcement Action and the Final Order Issued Date does not exist.

8.24 ENFORCEMENT ACTION VIOLATION LINKAGE MAPPING AND RULES

8.24.1 Enforcement Action Violation Linkage Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
EnforcementActionIdentifier	N/A			icis_enforcement.enf_identifier	PCS uses a docket number. ICIS uses a unique ID for an enforcement action and the format is SS-xxxxxxxxxxxxxxxx where SS is the state code and xxxxxxxxxxxxxxxx is a unique alphanumeric string between 1 and 17 characters long for an enforcement action that exists in ICIS.
PermitIdentifier	NPID			icis_facility_interest.pgm_sys_id	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6. The Linked NPDES ID for the Facility Interest of the Formal

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					Enforcement Action must exist in ICIS and must have a Program System Acronym of "NPDES".
NarrativeConditionNumber	N/A			Icis_perm_narrative_condition.narrative_condition_nmbr	Number between 000 and 999.
NarrativeConditionCode	N/A		Ref_narrative_condition	Icis_perm_narrative_condition.narrative_condition_code	
ComplianceScheduleNumber	CSCH			icis_comp_schedule.comp_schedule_nmbr	Number between 000 and 999.
ScheduleEventCode	Compliance Schedule Event Code (EVNT)	020	Ref_schedule_event	Icis_perm_schedule_event.schedule_event_code	Same as PCS but many duplicate codes have been reassigned to one code.
ScheduleDate	Compliance Schedule Date (DTSC)			Icis_perm_schedule_event.schedule_date	Same as PCS but the format for ICIS is ccyy-mm-dd. When adding a linkage to a final order, this date must be on or before the final order's issued or entered date.
PermittedFeatureIdentifier	Discharge Number (VDSC)			Icis_perm_feature.perm_feature_nmbr	Same as PCS but allows 3 to 4 characters instead of just 3 and 3 characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit requirements assigned to their own unique LimitSetDesignators.
LimitSetDesignator	Report Designator (VDRD)			Icis_limit_set.limit_set_designator	Same as PCS but allows to 1 to 2 characters instead of just 1 and 1 character does not require padding of zeroes or spaces on the left or right to make it 2 characters.
MonitoringPeriodEndDate	Monitoring Period			Icis_dmr_event.monitoring_period	Same as PCS but the format for ICIS

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	End Date (MVDT)			_end_date	is ccyy-mm-dd. When adding a linkage to a final order, this date must be on or before the final order's issued or entered date.
ParameterCode	Parameter Code (VPRM)	160	Ref_parameter	Icis_limit.parameter_code	Same as PCS but a few duplicate codes have been reassigned to one code and unit + parameter groupings have been revised.
MonitoringSiteDescriptionCode	Monitoring Location Code (VMLO)	80	Ref_monitoring_location	Icis_limit.monitoring_location_code	Same as PCS except special characters (not A-Z or 0-9) in PCS are now 2 character codes in ICIS.
LimitSeasonNumber	Season (SEAN)			Icis_limit.limit_season_id	Same as PCS except must be a whole number between -1 and 12. If -1 is present, ICIS will default with the limit's season ID.
SingleEventViolationCode	Single Event Violation Code (SVCD)	550	Ref_violation	icis_npdes_violation.violation_code	Same as PCS but many duplicate codes have been reassigned to one code.
SingleEventViolationDate	Single Event Violation Date (SVDT)			icis_npdes_violation.single_event_violation_date	Same as PCS but the format for ICIS is ccyy-mm-dd. When adding a linkage to a final order, this date must be on or before the final order's issued or entered date.

8.24.2 Rules for Parsing State Submitted Enforcement Action Violation Linkage XML Files

A summary of rules for processing enforcement action violation linkage data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Enforcement Action Violation Linkage Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first and Replaces are applied last.
- An enforcement action must have an enforcement action type code assigned to a state action (enf_typ_code is assigned a epa_state_filter_flag of "S" or "B" in the ref_enf_type table) and have an achieved date in ICIS before violations for the permit schedule, compliance schedule, DMR, DMR parameter or single event violation(s) can be linked to it.
- An enforcement action can only be linked to all violations for a permit schedule, a compliance schedule, a DMR, a DMR parameter or a single event violation, one at a time.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

REPLACE

- Any replace transaction for an Enforcement Action Violation Linkage that does not already exist in ICIS will have a new linkages established.
- Any replace transaction for an Enforcement Action Violation Linkage that already exists in ICIS will be ignored.
- Linkages will only be established between the enforcement action and violations for the permit schedule, compliance schedule, DMR, DMR parameter or single event violation(s).

MASS DELETE

- If a Mass Delete transaction for an Enforcement Action Violation Linkage record has non-mandatory tags along with the EnforcementActionIdentifier tag they will be ignored.
- Mass Delete of an Enforcement Action Violation Linkage record will result in the removal of any linkages between enforcement actions with all of its final orders, and violations for the permit schedule, compliance schedule, DMR, DMR parameter or single event violation(s).
- The linkage(s) between the enforcement action plus any of its final orders with a permit schedule violation, a compliance schedule violation, DMR violations, DMR parameter violations or a single event violation will be removed.

8.25 FINAL ORDER VIOLATION LINKAGE MAPPING AND RULES

8.25.1 Final Order Violation Linkage Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
EnforcementActionIdentifier	N/A			icis_enforcement.enf_identifier	PCS uses a docket number. ICIS uses a unique ID for an enforcement action and the format is SS-xxxxxxxxxxxxxxxx where SS is the state code and xxxxxxxxxxxxxxxx is a unique alphanumeric string between 1 and 17 characters long for an enforcement action that exists in ICIS.
FinalOrderIdentifier	N/A			icis_enf_conclusion.enf_conclusion_nmbr	
PermitIdentifier	NPID			icis_facility_interest.pgm_sys_id	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6. The Linked NPDES ID for the Facility Interest of the Formal Enforcement Action must exist in ICIS and must have a Program System Acronym of "NPDES".
NarrativeConditionNumber	N/A			Icis_perm_narrative_condition.narrative_condition_nmbr	Number between 000 and 999.
NarrativeConditionCode	N/A		Ref_narrative_condition	Icis_perm_narrative_condition.narrative_condition_code	
ComplianceScheduleNumber	CSCH			icis_comp_schedule.comp_schedule_nmbr	Number between 000 and 999.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ScheduleEventCode	Compliance Schedule Event Code (EVNT)	020	Ref_schedule_event	Icis_perm_schedule_event.schedule_event_code	Same as PCS but many duplicate codes have been reassigned to one code.
ScheduleDate	Compliance Schedule Date (DTSC)			Icis_perm_schedule_event.schedule_date	Same as PCS but the format for ICIS is ccyy-mm-dd. When adding a linkage to a final order, this date must be on or before the final order's issued or entered date.
PermittedFeatureIdentifier	Discharge Number (VDSC)			Icis_perm_feature.perm_feature_nmbr	Same as PCS but allows 3 to 4 characters instead of just 3 and 3 characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit requirements assigned to their own unique LimitSetDesignators.
LimitSetDesignator	Report Designator (VDRD)			Icis_limit_set.limit_set_designator	Same as PCS but allows to 1 to 2 characters instead of just 1 and 1 character does not require padding of zeroes or spaces on the left or right to make it 2 characters.
MonitoringPeriodEndDate	Monitoring Period End Date (MVDT)			Icis_dmr_event.monitoring_period_end_date	Same as PCS but the format for ICIS is ccyy-mm-dd. When adding a linkage to a final order, this date must be on or before the final order's issued or entered date.
ParameterCode	Parameter Code (VPRM)	160	Ref_parameter	Icis_limit.parameter_code	Same as PCS but a few duplicate codes have been reassigned to one code and unit + parameter groupings have been revised.
MonitoringSiteDescriptionCode	Monitoring Location Code	80	Ref_monitoring_location	Icis_limit.monitoring_location_code	Same as PCS except special characters (not A-Z or 0-9) in PCS

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	(VMLO)				are now 2 character codes in ICIS.
LimitSeasonNumber	Season (SEAN)			Icis_limit.limit_season_id	Same as PCS except must be a whole number between -1 and 12. If -1 is present, ICIS will default with the limit's season ID.
SingleEventViolationCode	Single Event Violation Code (SVCD)	550	Ref_violation	icis_npdes_violation.violation_code	Same as PCS but many duplicate codes have been reassigned to one code.
SingleEventViolationDate	Single Event Violation Date (SVDT)			icis_npdes_violation.single_event_violation_date	Same as PCS but the format for ICIS is ccyy-mm-dd. When adding a linkage to a final order, this date must be on or before the final order's issued or entered date.

8.25.2 Rules for Parsing State Submitted Final Order Violation Linkage XML Files

A summary of rules for processing final order violation linkage data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS EA and FO Violation Linkage Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- Mass Deletes are applied first and Replaces are applied last.
- An enforcement action must have an enforcement action type code assigned to a state action (enf_typ_code is assigned a epa_state_filter_flag of "S" or "B" in the ref_enf_type table) and have an achieved date in ICIS before violations for the permit schedule, compliance schedule, DMR, DMR parameter or single event violation(s) can be linked to it.
- A final order can only be linked to all violations for a permit schedule, a compliance schedule, a DMR, a DMR parameter or a single event violation, one at a time.

- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

REPLACE

- Any replace transaction for a Final Order Violation Linkage that does not already exist in ICIS will have a new linkages established.
- Any replace transaction for a Final Order Violation Linkage that already exists in ICIS will be ignored.
- Linkages between the final order and violations for the permit schedule, compliance schedule, DMR, DMR parameter or single event violation(s)will also be added to the final order's enforcement action.

MASS DELETE

- If a Mass Delete transaction for a Final Order Violation Linkage record has non-mandatory tags along with the EnforcementActionIdentifier tag they will be ignored.
- Mass Delete of a Final Order Violation Linkage record will result in the removal of any linkages between enforcement actions with all of its final orders, and violations for the permit schedule, compliance schedule, DMR, DMR parameter or single event violation(s).
- The linkage(s) between the final order and a permit schedule violation, a compliance schedule violation, DMR violations, DMR parameter violations or a single event violation will be removed. Linkages between the final order's enforcement action and violations will remain in place.

8.26 COMPLIANCE SCHEDULE MAPPING AND RULES

8.26.1 Compliance Schedule Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
EnforcementActionIdentifier	N/A			icis_enforcement.enf_identifier	PCS uses a docket number. ICIS uses a unique ID for an enforcement action and the format is SS-

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					xxxxxxxxxxxxxxxx where SS is the state code and xxxxxxxxxxxxxxxx is a unique alphanumeric string between 1 and 17 characters long for an enforcement action that exists in ICIS.
FinalOrderIdentifier	N/A			icis_enf_conclusion.enf_conclusion_nmbr	
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
ComplianceScheduleNumber	CSCH	175		icis_comp_schedule.comp_schedule_nmbr	Number between 000 and 999.
ComplianceScheduleComments	N/A			icis_comp_schedule.compliance_schedule_comment_text	
ScheduleDescriptorCode	N/A			icis_comp_schedule.compliance_schedule_comment_text	
ScheduleEventCode	Compliance Schedule Event Code (EVNT)	020	Ref_schedule_event	Icis_comp_schedule_event.schedule_event_code	Same as PCS but many duplicate codes have been reassigned to one code.
ScheduleDate	Compliance Schedule Date (DTSC)			Icis_comp_schedule_event.schedule_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
ScheduleReportReceivedDate	Schedule Report Received Date (DTRC)			Icis_comp_schedule_event.report_received_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
ScheduleActualDate	Schedule Achieved Date (DTAC)			Icis_comp_schedule_event.actual_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
ScheduleProjectedDate	N/A			Icis_comp_schedule_event.projected_date	Format for ICIS is ccyy-mm-dd.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
ScheduleUserDefinedDataElement1	Regional Data Element 1 (RDC1)			Icis_comp_schedule_event.udf1	Same as PCS.
ScheduleUserDefinedDataElement2	Regional Data Element 2 (RDC2)			Icis_comp_schedule_event.udf2	Same as PCS.
ScheduleEventComments	Compliance Schedule Comments (COMM)			Icis_comp_schedule_event.comment_text	Same as PCS.
ComplianceSchedulePenaltyAmount	N/A			icis_comp_schedule_event.event_amt	Can only be entered when ScheduleEventCode contains CS001, CS002, CS003 or CS033.

8.26.2 Rules for Parsing State Submitted Compliance Schedule XML Files

A summary of rules for processing compliance schedule data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Compliance Schedule Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code in ICIS.
- Mass Deletes are applied first and Replaces are applied last.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

REPLACE

- Any replace transaction for a compliance schedule that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction to create a new compliance schedule record. If there are compliance schedule events in the transaction, new compliance schedule event records will be created for the Final Order indicated.
- Any replace transaction for a compliance schedule that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS. Compliance schedule events in the transaction they will be treated as multi-value tags. Multi-value tags must have all possible values submitted for them (e.g., all Compliance Schedule Events) instead of the one that changed in order to avoid removing values unnecessarily (refer to Section 3.5.4.1 for details on multi-value tags)
- If an asterisk is used in a tag for a non-mandatory field in ICIS it will be blanked out.

MASS DELETES

- If a Mass Delete transaction for a Compliance Schedule has any optional data tags along with the EnforcementActionIdentifier, FinalOrderIdentifier, PermitIdentifier, ComplianceScheduleNumber, ScheduleEventCode and ScheduleDate tags, those optional tags will be ignored.
- Mass Delete of a Compliance Schedule will result in the removal of all Schedule Events for the compliance schedule.

8.27 SCHEDULE EVENT VIOLATION MAPPING AND RULES

8.27.1 Schedule Event Violation Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is used by Region 4 and GM is used by Region 6.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
NarrativeConditionNumber	N/A			Icis_perm_narrative_condition.narrative_condition_nmbr	Number between 000 and 999.
NarrativeConditionCode	N/A		Ref_narrative_condition	Icis_perm_narrative_condition.narrative_condition_code	
EnforcementActionIdentifier	N/A			icis_enforcement.enf_identifier	PCS uses a docket number. ICIS uses a unique ID for an enforcement action and the format is SS-xxxxxxxxxxxxxxxx where SS is the state code and xxxxxxxxxxxxxxxx is a unique alphanumeric string between 1 and 17 characters long for an enforcement action that exists in ICIS.
FinalOrderIdentifier	N/A			icis_enf_conclusion.enf_conclusion_nmbr	
ComplianceScheduleNumber	CSCH	175		icis_comp_schedule.comp_schedule_nmbr	Number between 000 and 999.
ScheduleEventCode	Compliance Schedule Event Code (CVEV)	020	Ref_schedule_event	Icis_perm_schedule_event.schedule_event_code	Same as PCS but many duplicate codes have been reassigned to one code.
ScheduleDate	Compliance Schedule Date (CVDT)			Icis_perm_schedule_event.schedule_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
ScheduleViolationCode	ScheduleViolation Code (CVIO)	480	Ref_violation	icis_npdes_violation.violation_code	Same as PCS but many duplicate codes have been reassigned to one code.
ReportableNonComplianceDetectionCode	RNC Detection Code (SNCC)	195	Ref_rnc_detection	icis_npdes_violation.rnc_detection_code	Same as PCS but codes may have been added, changed or removed. Code must have rnc_detection_code_entry_flag = M in the REF_RNC_DETECTION table.
ReportableNonComplianceDetectionDate	RNC Detection Date (SNDC)			icis_npdes_violation.rnc_detection_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Must be between the

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					single event violation date and the submission date.
ReportableNonComplianceResolutionCode	RNC Resolution Code (SRCC)	390	Ref_rnc_resolution	icis_npdes_violation.rnc_resolution_code	Same as PCS but codes may have been added, changed or removed. Code must have rnc_resolution_code_entry = Manual) in the REF_RNC_RESOLUTION table
ReportableNonComplianceResolutionDate	RNC Resolution Date (SRDC)			icis_npdes_violation.rnc_resolution_date	Same as PCS but the format for ICIS is ccyy-mm-dd.

8.27.2 Rules for Parsing State Submitted Schedule Event Violation XML Files

A summary of rules for processing narrative condition (permit) schedule and compliance schedule event violation data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Batch DMR and Schedule Event Violation Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code or changing an existing code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code or changing an existing code in ICIS.
- All Compliance Schedule Violations must have EnforcementActionIdentifier, FinalOrderPenalty, PermitIdentifier, ComplianceScheduleNumber, ScheduleEventCode, ScheduleDate and ScheduleViolationCode tags.
- All Narrative Condition (Permit) Schedule Violations must have PermitIdentifier, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate and ScheduleViolationCode tags.

- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

CHANGES

- Any tags that are present in a Change transaction will be saved to their corresponding fields in ICIS.
- One asterisk may be used in a tag to blank out that field in ICIS.
- One or more optional tags must be present.
- Users can edit the RNC Resolution Code and the RNC Resolution Date, but cannot edit the RNC Detection Code or RNC Detection Date.
- The RNC Resolution Code must be valid (i.e. Active), must be a manual code (rnc_resolution_code_entry = Manual) or must be the automatic code of 1 (NC - Unresolved RNC), and cannot = A (NC - Manual Unresolved RNC) in the REF_RNC_RESOLUTION table.
- If RNC Resolution Code does not equal 1 (NC - Unresolved RNC), then RNC Resolution Date must be between the RNC Detection Date and the current date.

8.28 SINGLE EVENT VIOLATION MAPPING AND RULES

8.28.1 Single Event Violation Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
SingleEventViolationCode	N/A	550	Ref_violation	icis_npdes_violation.violation_code	Same as PCS but many duplicate codes have been reassigned to one code.
SingleEventViolationDate	Single Event			icis_npdes_violation.single_event_	Same as PCS but the format for ICIS

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	Violation Date (SVDT)			violation_date	is ccyy-mm-dd. Must be between the permit's effective date and the submission date.
SingleEventViolationStartDate	Single Event Violation Date (SVDT)			icis_npdes_violation.single_event_begin_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Must be between the single event violation date and the submission date.
SingleEventViolationEndDate	Regional Data Element 2 (RDS2)			icis_npdes_violation.single_event_end_date	Must be between the single event violation start date and the submission date.
ReportableNonComplianceDetectionCode	RNC Detection Code (SNCS)	195	Ref_rnc_detection	icis_npdes_violation.rnc_detection_code	Same as PCS but codes may have been added, changed or removed. Code must have rnc_detection_code_entry_flag = M in the REF_RNC_DETECTION table.
ReportableNonComplianceDetectionDate	RNC Detection Date (SNDS)			icis_npdes_violation.rnc_detection_date	Same as PCS but the format for ICIS is ccyy-mm-dd. Must be between the single event violation date and the submission date.
ReportableNonComplianceResolutionCode	RNC Resolution Code (SRCS)	390	Ref_rnc_resolution	icis_npdes_violation.rnc_resolution_code	Same as PCS but codes may have been added, changed or removed. Code must have rnc_resolution_code_entry = Manual) in the REF_RNC_RESOLUTION table
ReportableNonComplianceResolutionDate	RNC Resolution Date (SRDS)			icis_npdes_violation.rnc_resolution_date	Same as PCS but the format for ICIS is ccyy-mm-dd.
SingleEventUserDefinedField1	Regional Data Element 1 (RDS1)			icis_npdes_violation.single_event_violation_udf1	
SingleEventUserDefinedField2	Regional Data Element 2 (RDS2)			icis_npdes_violation.single_event_violation_udf2	
SingleEventUserDefinedField3	N/A			icis_npdes_violation.single_event_violation_udf3	

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
SingleEventUserDefinedField 4	N/A			icis_npdes_violation.single_event_violation_udf4	
SingleEventUserDefinedField 5	N/A			icis_npdes_violation.single_event_violation_udf5	
SingleEventCommentText	N/A			icis_npdes_violation.single_event_violation_comment	

8.28.2 Rules for Parsing State Submitted Single Event Violation XML Files

A summary of rules for processing single event violation data is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Single Event Technical Specification document.

OVERALL

- ICIS reference tables have codes that are either Active or Inactive. Inactive codes were migrated from legacy data but the code is not being used anymore and cannot be selected when adding a new code in ICIS. Active codes were both migrated from legacy data and newly created codes for ICIS and can be selected when adding a new code in ICIS.
- Mass Deletes are applied first and Replaces are applied last.
- Refer to the *Single Event Violation Technical Specification* document for rules regarding the usage of RNC detection data in combination with RNC resolution data.
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

REPLACE

- Master General Permits and pending permits cannot have Single Event Violations in ICIS.
- Any replace transaction for a Single Event Violation that does not already exist in ICIS will be treated as a New transaction using the data provided in the tags of the replace transaction to create a single event violation record.

- Any replace transaction for a Single Event Violation that already exists in ICIS will have only the tags that are present saved to their corresponding fields in ICIS.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

MASS DELETES

- If a Mass Delete transaction for a Single Event Violation has any optional data tags along with the PermitIdentifier, SingleEventViolationCode and SingleEventViolationDate tags, those optional tags will be ignored.
- Mass Delete of a Single Event Violation will result in the removal of the violation and any links to inspections or enforcement actions.

8.29 COPY MASTER GENERAL PERMIT LIMIT SET TO GENERAL PERMIT COVERED FACILITY MAPPING AND RULES

8.29.1 Copy Master General Permit Limit Set to General Permit Covered Facility Mapping

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
PermitIdentifier	Permit Number (NPID)			Icis_permit.external_permit_nmbr	Must have postal code as the first 2 characters. Same postal codes as PCS except for Gulf of Mexico permits: GE is to be used by Region 4 and GM is to be used by Region 6.
PermittedFeatureIdentifier	Discharge Number (DSCH)			Icis_perm_feature.perm_feature_nmbr	Same as PCS but allows 3 to 4 characters instead of just 3 and 3 characters do not require padding of zeroes or spaces on the left or right to make it 4 characters. One physical outfall should only have one PermittedFeatureIdentifier in ICIS with variations of that outfall's limit

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					requirements assigned to their own unique LimitSetDesignators.
LimitSetDesignator	Report Designator (DRID)			icis_limit_set.limit_set_designator	Same as PCS but allows to 1 to 2 characters instead of just 1 and 1 character does not require padding of zeroes or spaces on the left or right to make it 2 characters.
PermittedFeatureTypeCode	Outfall Type (OUTT)	780	Ref_permitted_feature_type	icis_perm_feature.perm_feature_type_code	Same as PCS but codes may have been added, changed or removed.
PermittedFeatureCharacteristics	Type of Waste (WAST)	220	Ref_characteristic	xref_perm_feature_character.characteristic_code	Same as PCS but codes may have been added, changed or removed.
PermittedFeatureDescription	Pipe Description (PIPE)			icis_perm_feature.perm_feature_text	Same as PCS.
PermittedFeatureStateWaterBodyName	Receiving Waters (RWAT)			icis_perm_feature.state_water_body_name	Same as PCS.
PermittedFeatureUserDefinedDataElement1	Regional Pipe Indicator 1 (RDP1)			icis_perm_feature.udf1	Same as PCS.
PermittedFeatureUserDefinedDataElement2	Regional Pipe Indicator 2 (RDP2)			icis_perm_feature.udf2	Same as PCS.
LatitudeMeasure	Pipe Latitude (PLAT)			icis_perm_feature_coord.latitude_measure	PCS uses fixed format of hemisphere (+ or -), degrees, minutes, seconds, and tenths of a second (HDDMMSST). ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank. Use the following formula to convert to decimal degrees: Decimal Degrees value = HD.A A = [(M + S.T/60)/60] where A = the decimal part of the number D = degrees

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
					M = minutes S = seconds T = tenths of a second
LongitudeMeasure	Pipe Longitude (PLON)			icis_perm_feature_coord.longitude_measure	PCS uses fixed format of hemisphere (+ or -), degrees, minutes, seconds, and tenths of a second (HDDDMMSST). ICIS stores decimal degrees and if Latitude is not blank, Longitude must not be blank. Use the following formula to convert to decimal degrees: Decimal Degrees value = HD.A A = [(M + S.T/60)/60] where A = the decimal part of the number D = degrees M = minutes S = seconds T = tenths of a second
HorizontalAccuracyMeasure	Pipe Lat/Lon Accuracy Code (PLLC)	470		icis_perm_feature_coord.horizontal_accuracy_measure	Free format in ICIS
GeometricTypeCode	N/A		Ref_geometric_type	icis_perm_feature_coord.geometric_type_code	
HorizontalCollectionMethodCode	Pipe Lat/Lon Method of Collection (PLLM)	471	Ref_horizontal_collect_method	icis_perm_feature_coord.horizontal_collect_method_code	Same as PCS but codes may have been added, changed or removed.
HorizontalReferenceDatumCode	Pipe Lat/Lon Datum (PLLT)	472	Ref_horizontal_ref_datum	icis_perm_feature_coord.horizontal_ref_datum_code	Same as PCS but codes may have been added, changed or removed.
ReferencePointCode	Pipe Lat/Lon Description (PLLD)	475	Ref_reference_point	icis_perm_feature_coord.reference_point_code	Same as PCS but codes may have been added, changed or removed.

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
SourceMapScaleNumber	Pipe Lat/Lon Scale (PLLS)	473		icis_perm_feature_coord.source_map_scale_nmbr	Free format in ICIS
LimitSetNameText	Pipe Description (PIPE)			icis_limit_set.limit_set_name	Same as PCS.
DMRPrePrintCommentsText	Pipe Comments 1 – 9 (PIC1, PIC2, PIC3, PIC4, PIC5, PIC6, PIC7, PIC8, PIC9)			icis_limit_set.dmr_comment_text	Same as PCS but concatenated together into one field.
LimitSetStatusIndicator	N/A			icis_limit_set_status.limit_set_status_id	If LimitSetStatusIndicator is present, LimitSetStatusStartdate must be present and vice versa.
LimitSetStatusStartdate	N/A			icis_limit_set_status.status_begin_date	This date must be on or before the date the batch is processed. If LimitSetStatusIndicator is present, LimitSetStatusStartdate must be present and vice versa. For unscheduled limit sets, this date must be: * on or after the permit's effective date * on or before the permit's exipiration date * on or before the date the batch is processed.
LimitSetReasonText	N/A			icis_limit_set_status.status_change_reason_text	If this tag is present the LimitSetStatusIndicator and LimitSetStatusStartdate tags must also be present.
NumberUnitsReportPeriodInteger	Units in Reporting Period (NRPU)			icis_limit_set_schedule.nmbr_of_report	Must be a whole number between 1 and 60.
NumberSubmissionUnitsInteger	Units in Submission Period			icis_limit_set_schedule.nmbr_of_submission	Must be a whole number between 1 and 60 that is either greater than or

XML Tag Name	PCS Counterpart	PCS Code Table	ICIS Code Table	ICIS Column	Comments
	(NSUS)				equal to NumberUnitsReportPeriodInteger. It also must be evenly divisible by NumberUnitsReportPeriodInteger.
InitialMonitoringDate	Initial Report Date (STRP)			icis_limit_set_schedule.initial_monitoring_date	Same as PCS. Must be on or before the permit's expiration date if it exists. For a scheduled limit set, the earliest InitialMonitoringDate must be the same as the earliest LimitSetStatusStartdate.
InitialDMRDueDate	Initial Submission Date (STSS)			icis_limit_set_schedule.initial_dmr_due_date	Same as PCS. Must be after the calculated initial monitoring period end date.
LimitSetModificationTypeCode	N/A		Ref_modification_type	icis_limit_set.modification_type_code	If LimitSetModificationTypeCode is present, LimitSetModificationEffectiveDate must be present and vice versa.
LimitSetModificationEffectiveDate	N/A			icis_limit_set.modification_effective_date	Must be: * on or after the permit's issuance date * on or before the permit's exipiration date. If LimitSetModificationTypeCode is present, LimitSetModificationEffectiveDate must be present and vice versa.

8.29.2 Rules for Parsing Copy Master General Permit Limit Set to General Permit Covered Facility XML Files

A summary of rules for processing the copying of limit sets from a Master General Permit to a General Permit Covered Facility is provided in this section. Detailed explanations of these rules with examples can be found in the ICIS Copy Master General Permit Technical Specification document.

OVERALL

- This transaction is used by EPA's NPDES electronic Notice of Intent (eNOI) tool to populate a General Permit Covered Facility (GPCF) record that exists in ICIS record with limits from a Master General Permit (MGP) record that exists in ICIS. It may be used by state eNOI systems as well.
- The source MGP Permit and the target GPCF must not have a reissuance in progress
- Refer to the *ICIS-NPDES Example XML Instance Document* for specific instructions on generating XML files, the ICIS-NPDES XML Data Exchange Template for formatting and characteristic details on the XML tags, and Chapter 9 of this document for batch error messages.

NEW

- A New Copy MGP Limit Set transaction copies Permitted Feature, Limit Set, and Limit data from one *source* Master General Permit (MGP) in ICIS to a *target* General Permit Covered Facility (GPCF) that exists in ICIS by creating new limit sets with limits. It does not overwrite or change existing limit sets or their limits.
- A permitted feature will be created if the GPCF does not already have it, otherwise the permitted feature will not be touched, nor will its limit set and limit. The existing permitted feature must be updated by a Change or Replace Permitted Feature transaction instead.
- All Limit Set Schedule XML data elements must be submitted as part of Copy MGP Limit Set transactions.
- If an asterisk is used in a tag to blank out a non-mandatory field in ICIS it will be ignored.

9 ERROR MESSAGES

9.1 ICIS-NPDES BATCH ERROR MESSAGES

This section lists error messages generated by ICIS-NPDES Batch when an error is encountered. The first subsection lists error messages encountered during the processing of DMR submittals. Future subsections will be added for the other ICIS data families when Full Batch development occurs.

9.1.1 DMR Batch Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a DMR transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR010	Transaction Type <value> is not valid for DMRs.	Transaction Type must be valid for DMRs. Valid Transaction Types are R (Replace), C (Change), and X (Mass Delete).	Reject entire DMR transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR020	User <user id> does not have privileges to perform a <transaction type> DMR transaction.	User must have privileges to perform the transaction. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire DMR transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR030	A DMR Form does not exist and cannot be created for the key data entered.	If Limit Set Type for the submitted DMR equals Scheduled, a DMR Form with values matching Permit Identifier, PF ID, LSD, and MPED must already exist in ICIS.	Reject entire DMR transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR045	The DMR only contains key data and no other data for processing.	If the DMR contains only key data and no other data, ICIS rejects the DMR.	Reject entire DMR transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR047	All parameters cannot be blanked out because the DMR Form is linked to a Program Report or has Auxiliary Data.	All parameters for a DMR Form cannot be blanked out if the DMR Form is linked to a Program Report or has Auxiliary Data.	Reject entire DMR transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR050	Form NODI cannot be entered because at least one DMR Value exists for the DMR Form.	In a Change DMR XML transaction, if Form NODI data (DMR No Discharge Indicator, DMR No Discharge Received Date) are submitted, no received DMR Values may exist for the Form.	Reject entire Form	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR060	DMR No Discharge Indicator <value> does not exist in the ICIS reference table.	Form NODI Code must be a valid (i.e., Active) code in the REF_NODI table.	Reject entire Form	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR070	DMR No Discharge Received Date <date> entered must be less than or equal to the current date.	Form NODI Received Date must be less than or equal to the current date.	Reject entire Form	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR073	An asterisk (*) cannot be entered for DMR No Discharge Received Date because at least one DMR Value exists for the DMR Form.	All Received Dates on a DMR Form cannot be blanked out if any received values exist for the DMR Form.	Reject entire Form	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR076	1) DMR No Discharge Received Date must be entered because DMR No Discharge Indicator has been entered. 2) DMR No Discharge Indicator must be entered because DMR No Discharge Received Date has been entered.	If Form NODI Code is entered, Form NODI Received Date must also be entered, and vice versa.	Reject entire Form	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR080	A Parameter does not exist that matches the data entered.	For each Parameter, the DMR Parameter Key (Parameter Code, Monitoring Location Code, Season ID) must exist in ICIS. Note: the Limit Season Number will be display as -1 if that was what was submitted.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR085	Multiple matching Parameters exist that match the data entered.	For a Parameter, the DMR Parameter Key must be unique to one record. Note: the Limit Season Number will be display as -1 if that was what was submitted.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR090	(Report Sample Type Text: <value>) or (Reporting Frequency Code: <value>) or Report Number of Excursions: <value>) cannot be entered unless valid data has been entered for at least one Numeric Condition Quantity or T has been entered for at least one Numeric Condition Qualifier for this parameter. In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message.	If any of the following are entered for a parameter: • Sample Type • Frequency of Analysis • Report Number of Excursions Then at least one DMR Value or T Qualifier must exist.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR100	Reporting Frequency Code <value> entered does not exist in the ICIS reference table.	Frequency of Analysis code entered must be a valid (i.e., Active) code in the REF_FREQUENCY_OF_ANALYSIS table.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR110	Report Sample Type Text <value> entered does not exist in the ICIS reference table.	Sample Type code entered must be a valid (i.e., Active) code in the REF_SAMPLE_TYPE table.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR120	Numeric Report Code <value> has been entered more than one time for this parameter, and only one of each type of Numeric Report Code can be entered per unique parameter.	For each unique Parameter entered, only one of each Value Type can be entered (i.e., only one Q1, one Q2, one C1, one C2, and one C3)	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR130	Numeric Report Code <value> entered for this parameter is not defined in the permit as expected data so cannot be entered in this DMR.	For each unique Parameter Code entered, any Value Type (Q1-C3) entered must exist in the DMR Form (i.e., users cannot enter data for a parameter column that is not expected (defined in the permit with a corresponding limit that has a value or is req mon or opt mon))	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR140	The following Numeric Report Received Date(s) must be less than or equal to the current date: value (column). For this error message, value and column will be listed for each column that has this error.	DMR Value Received Date must be less than or equal to the current date.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR150	The following Numeric Report Received Date(s) was entered but no Numeric Condition Quantity or Numeric Report No Discharge Indicator exists: value (column) For this error message, value and column will be listed for each column that has this error.	For every DMR Value Received Date, there must be a corresponding Value/Adjusted Value or NODI unless the Qualifier for the column equals T.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR160	The following was entered but a Numeric Condition Quantity does not exist: <column>: (Numeric Condition Adjusted Quantity: <value>, Numeric Condition Qualifier: <value>). For this error message, "<column>" will be replaced by the column that is causing the problem (e.g., Q1). In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message.	If any of the following are entered for a Value Type: • Adjusted Value • Unit Code • Value Qualifier (except T or =) Then a DMR Value must exist for that Value Type.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR105 DMR106 DMR107	DMR105: Quantity Numeric Report Unit Measure Code <value> exists, but no Quantity Numeric Report Quantity exists for the parameter. DMR106: Concentration Numeric Report Unit Measure Code <value> exists, but no Concentration Numeric Report Quantity exists for the parameter. DMR107: Quantity Numeric Report Unit Measure Code <value> exists, but no Quantity Numeric Report Quantity exists for the parameter. Concentration Numeric Report Unit Measure Code <value> exists, but no Concentration Numeric Report Quantity exists for the parameter.	A. If any Quantity Unit Code exists (i.e., Q1 Unit Code, Q2 Unit Code), at least one DMR Value must exist for Q1 or Q2. B. If any Concentration Unit Code exists (i.e., C1 Unit Code, C2 Unit Code, C3 Unit Code), at least one DMR Value must exist for C1, C2, or C3.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR170	The following Numeric Condition Adjusted Quantity(ies) was entered but a Trade Partner does not exist for the Limit and so the data cannot be entered for this DMR parameter: value (column). For this error message, value and column will be listed for each column that has this error.	Adjusted DMR Value can only be entered if a Trade Partner has been defined for the associated Limit (Parameter) on the Permit.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR180	The following Numeric Condition Quantity(ies) is negative, so the Numeric Condition Qualifier cannot be Less than (<): value (column). For this error message, value and column will be listed for each column that has this error.	If DMR Value is negative the associated Value Qualifier cannot be Less Than (<).	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR190	When a Numeric Condition Qualifier T is entered the following cannot be entered: <column> (Numeric Condition Quantity: <value>, Numeric Condition Adjusted Quantity: <value>, Numeric Report No Discharge Indicator: <value>) For this error message, "<column>" will be replaced by the column that is causing the problem (e.g., 1). In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message.	If Value Qualifier = T, the following fields must be blank for that Value Type: DMR Value Adjusted DMR Value NODI	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR200	For Numeric Report Code(s) <value>, Numeric Condition Qualifier of T has been entered. The associated Limit's Unit Code does not have T listed as a valid qualifier. For this error message, value and column will be listed for each column that has this error.	If T is entered as the Value Qualifier then the Unit Code for the associated Limit for that Value Type must have T listed as a valid qualifier for the Unit Code in the REF_UNIT table.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR210	1) When T is entered as the Numeric Condition Qualifier, Numeric Report Code must be entered. 2) When T is entered as the Numeric Condition Qualifier, Numeric Report Received Date must be entered.	If Value Qualifier = T the following fields are required: Value Type Value Received Date.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR220	Numeric Condition Quantity was entered but no Numeric Report Received Date exists for the following: value (column). For this error message, value and column will be listed for each column that has this error.	If a DMR Value is entered, DMR Value Received Date must exist for the specified Value Type.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR240	Numeric Report No Discharge Indicator cannot be entered because no Numeric Report Received Date exists: value (columns). For this error message, value and column will be listed for each column that has this error.	If a Value NODI is entered, DMR Value Received Date must exist for the specified Value Type.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR250	When a Numeric Report No Discharge Indicator is entered the following cannot be entered: <column> (Numeric Condition Quantity: <value>, Numeric Condition Adjusted Quantity: <value>, Numeric Report No Discharge Indicator: <value>) For this error message, "<column>" will be replaced by the column that is causing the problem. In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message.	If Value NODI is entered, the following cannot exist for the specified Value Type: DMR Value Adjusted DMR Value Value Qualifier (except =)	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR260	Numeric Report No Discharge Indicator does not exist in the ICIS reference table for the following: value (column). For this error message, value and column will be listed for each column that has this error.	Value NODI must be a valid (i.e., Active) code in the REF_NODI table.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR270	The following Numeric Report Unit Measure(s) must be included in the Unit Group for the parameter: value (column). For this error message, value and column will be listed for each column that has this error.	Unit Code must be included in the Unit Group defined for the Parameter.	Reject parameter	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR300	Warning: The following Numeric Condition Quantity(ies) has a Percent Exceedence greater than 500%: column. For this error message, value and column will be listed for each column that has this error.	If Percent Exceedence is greater than 500%, present a warning message to the user but save the data.	N/A	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate ParameterCode MonitoringSiteDescription Code LimitSeasonNumber
DMR310	Data cannot exist for the following unless a valid Numeric Report Received Date exists for this DMR: (list all data elements, by section).	Data cannot be entered for General DMR Info, Land Application, Surface Disposal, Co-Disposal, and Incinerator unless one valid DMR Received Date exists.	Reject auxiliary data	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR320	Signature Date <date> entered must be less than or equal to the current date.	DMR Authorized Signatory Date must be less than or equal to the current date.	Reject auxiliary data	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR330	Pollutant Met for Land Application <value> does not exist in the ICIS reference table.	Pollutant Met (Land Application) must be a valid (i.e., Active) code in the REF_POLLUTANT_TABLE table.	Reject auxiliary data	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR340	Crop Types Planted <value> does not exist in the ICIS reference table.	Crop Types Planted (Land Application) must be a valid (i.e., Active) code in the REF_CROP_TYPE table.	Reject auxiliary data	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR350	Crop Types Harvested <value> does not exist in the ICIS reference table.	Crop Types Harvested (Land Application) must be a valid (i.e., Active) code in the REF_CROP_TYPE table.	Reject auxiliary data	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DMR360	Class A Alternative Used <value> does not exist in the ICIS reference table.	Class A Alternative Used (Land Application and Surface Disposal) must be a valid (i.e., Active, Alternative_Used_Type_Code = A) code in the REF_ALTERNATIVE_USED table.	Reject auxiliary data	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR370	Class B Alternative Used <value> does not exist in the ICIS reference table.	Class B Alternative Used (Land Application and Surface Disposal) must be a valid (i.e., Active, Alternative_Used_Type_Code = B) code in the REF_ALTERNATIVE_USED table.	Reject auxiliary data	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR380	VAR Alternative Used <value> does not exist in the ICIS reference table.	VAR Alternative Used (Land Application and Surface Disposal) must be a valid (i.e., Active, Alternative_Used_Type_Code = V) code in the REF_ALTERNATIVE_USED table.	Reject auxiliary data	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR400	A DMR Form matching the key data provided does not exist in ICIS.	In a delete DMR transaction, the specified DMR form must already exist in ICIS.	Reject entire Form	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DMR410	The DMR Form cannot be deleted because it is linked to a Program Report.	A DMR Form cannot be deleted if it is linked to a Program Report.	Reject entire Form	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate
DNR450	An error has occurred while processing the data for this DMR Form. No data were saved for this form, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully, roll back all changes for the XML transaction.	Reject entire Form.	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate

9.1.2 Discharge Monitoring Report Violation Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a discharge monitoring report violation transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type must be valid for DMR Violations. The only valid Transaction Type is C (Change).	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
BAT020	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
VIO030	A Violation identified by the combination of key data must exist in ICIS.	A Violation does not exist for the key data entered. Note: For DMR Violations, the Limit Season Number will display as -1 on the audit report if that was what was submitted. The Numeric Report Violation Code will also display D or E on the audit report.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
VIO040	For a Violation, the Violation key data must be unique to one record. Note: It is only possible to have multiple Violations if -1 was submitted for Limit Season ID for a DMR Violation.	Multiple Violations exist that match the key data entered. Note: For DMR Violations, the Limit Season Number will display as -1 on the audit report if that was what was submitted. The Numeric Report Violation Code will also display D or E on the audit report.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
VIO050	If the Violation transaction contains key data and no other data, ICIS rejects the transaction.	The Violation transaction contains key data and no other data for processing.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
VIO055	DMR Non-Receipt Violations Violations cannot be edited unless the RNC Detection Code, RNC Detection Date, RNC Resolution Code, and RNC Resolution Date that were previously in ICIS all exist. Note: These data elements could be blank if the RNC Tracking Flag was off at or following generation of the violation.	DMR Non-Receipt Violations cannot be edited unless the following fields in ICIS all exist: Reportable Non Compliance Detection Code, Reportable Non Compliance Detection Date, Reportable Non Compliance Resolution Code, and Reportable Non Compliance Resolution Date.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
VIO060	For DMR Non-Receipt Violations, the RNC Detection Code and the RNC Detection Date cannot be changed or blanked out. Note: DMR Non-Receipt Violations are always automatically detected and are read-only fields on the web, but in batch the XML schema is shared between Effluent and DMR Non-Receipt Violations.	Reportable Non Compliance Detection Code and Reportable Non Compliance Detection Date are not editable for DMR Non-Receipt Violations.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
VIO070	If RNC Detection Code exists, then all RNC data elements must exist.	All RNC data elements must exist because Reportable Non Compliance Detection Code exists.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
VIO080	If RNC Detection Code is blank, then all RNC data elements must be blank. Note: This business rule will not be issued for DMR Non-Receipt Violations or Schedule Event Violations due to business rule VIO055.	All RNC data elements must be blank because Reportable Non Compliance Detection Code is blank.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
VIO090	RNC Detection Code must be a valid (i.e. Active) manual code (rnc_detection_code_entry_flag = M) in the REF_RNC_DETECTION table or must be the same as the previously existing automatic code in ICIS. Valid manual Effluent Violations have a detection_type_code = TRC, EFF, or CHR. Note: RNC Detection Code cannot be submitted for Schedule Event Violations and DMR Non-Receipt Violations.	Reportable Non Compliance Detection Code <Reportable Non Compliance Detection Code value> does not exist, is inactive, is not a valid manual code, or is not the same as the previously existing automatic code in ICIS.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
VIO095	For Effluent Violations, if the RNC Detection Code that was previously in ICIS is an automatic code (rnc_detection_entry_code_flag = A), then the RNC Detection Code must exist (i.e., cannot be blanked out).	The Reportable Non Compliance Detection Code <Reportable Non Compliance Detection Code value> cannot be blanked out because it is an automatic code.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
VIO100	RNC Detection Date must be: • Less than or equal to the current date • Greater than or equal to the Violation Date Violation Date varies by the type of Violation: • Effluent: Monitoring Period End Date Note: RNC Detection Date cannot be changed for DMR Non-Receipt Violations.	Reportable Non Compliance Detection Date <Reportable Non Compliance Detection Date value> must be less than or equal to the current date <current date value> and greater than or equal to the Violation Date <Violation Date value>.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
VIO110	If RNC Detection Code is manual (rnc_detection_entry_code_flag = M), then RNC Resolution Code must be valid (i.e. Active) and must be a manual code (rnc_resolution_code_entry = Manual) in the REF_RNC_RESOLUTION table. Note: RNC Detection Code cannot be manual for Schedule Event and DMR Non-Receipt Violations.	For the manually detected Violation, Reportable Non Compliance Resolution Code <Reportable Non Compliance Resolution Code value> does not exist, is inactive, or is not a manual code in the ICIS reference table.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
VIO120	If RNC Detection Code is automatic (rnc_detection_entry_code_flag = A), then RNC Resolution Code must be valid (i.e. Active), must be a manual code (rnc_resolution_code_entry = Manual) or must be the automatic code of 1 (NC - Unresolved RNC), and cannot = A (NC - Manual Unresolved RNC) in the REF_RNC_RESOLUTION table.	For the automatically detected Violation, Reportable Non Compliance Resolution Code <Reportable Non Compliance Resolution Code value> does not exist, is inactive, is not a manual code or does not equal the automatic code of 1 (NC - Unresolved RNC), or equals A (NC - Manual Unresolved RNC) in the ICIS reference table.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
VIO130	If RNC Resolution Code equals A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then RNC Resolution Date must equal the RNC Detection Date.	If Reportable Non Compliance Resolution Code is A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then Reportable Non Compliance Resolution Date <Reportable Non Compliance Resolution Date value> must equal the Reportable Non Compliance Detection Date <Reportable Non Compliance Detection Date value>.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
VIO140	If RNC Resolution Code does not equal A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then RNC Resolution Date must be: • Less than or equal to the current date • Greater than or equal to the RNC Detection Date	If Reportable Non Compliance Resolution Code is not A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then Reportable Non Compliance Resolution Date <Reportable Non Compliance Resolution Date value> must be less than or equal to the current date <current date value> and greater than or equal to the Reportable Non Compliance Detection Date < Reportable Non Compliance Detection Date value>.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode
VIO150	If Background Processing does not complete successfully, roll back all changes for the XML transaction.	An error has occurred while processing the data for this Violation. No data were saved and the XML transaction must be resubmitted.	Reject entire DMR Violation transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate Parameter Code MonitoringSiteDescriptionCode LimitSeasonNumber NumericReportCode NumericReportViolationCode

9.1.3 Discharge Monitoring Report Linkage Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a discharge monitoring report linkage transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for DMR Program Report Linkages. Valid Transaction Types are X (Mass Delete) and R (Replace).	Reject entire DMR Program Report Linkage transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate And PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier,DateStormEventSampled, StormWaterEventID
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire DMR Program Report Linkage transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate And PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier,DateStormEventSampled, StormWaterEventID
DML030	The DMR Form does not exist for the key data entered.	The DMR Form identified by the combination of NPDES ID, Permitted Feature ID, Limit Set Designator, and Monitoring Period End Date must exist in ICIS.	Reject entire DMR Program Report Linkage transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate And PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier,DateStormEventSampled, StormWaterEventID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DML040	The DMR Form must have at least one saved Report Received Date.	One or more saved DMR Received Dates must exist. Notes: • The DMR Form can be either Unsubmitted or Submitted. • This business rule will not function properly under certain circumstances until O&M DR 8198 is fixed.	Reject entire DMR Program Report Linkage transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate And PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier,DateStormEventSampled, StormWaterEventID
DML050	The Program Report does not exist in ICIS for the key data entered.	The Biosolids Program Report or Storm Water Event Report must exist in ICIS for the key data submitted.	Reject entire DMR Program Report Linkage transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate And PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier,DateStormEventSampled, StormWaterEventID
DML060	The Permit Identifier of the Program Report does not match the Permit Identifier of the DMR Form.	The NPDES ID of the Program Report must match the NPDES ID of the DMR Form.	Reject entire DMR Program Report Linkage transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate And PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier,DateStormEventSampled, StormWaterEventID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
DML070	The DMR Form cannot have more than one Biosolids Program Report linked to it.	A different Biosolids Program Report cannot be linked to a DMR Form if that DMR Form already has a linked Biosolids Program Report. Note: This business rule should not be triggered if the key data submitted is the same as the key data for the already linked Biosolids Program Report. A Biosolids Program Report can be linked to multiple DMR Forms. Multiple Storm Water Event Reports can be linked to a single DMR Form and a Storm Water Event Report can be linked to multiple DMR Forms.	Reject entire DMR Program Report Linkage transaction	PermitIdentifier PermittedFeatureIdentifier LimitSetDesignator MonitoringPeriodEndDate And PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier,DateStormEventSampled, StormWaterEventID

9.1.4 Basic Permit and General Permit Covered Facility Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a basic permit or general permit covered facility transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Permits. Valid Transaction Types are N (New), C (Change), R (Replace) and D (Delete).	Reject entire permit transaction	Permit Identifier
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP030	An error has occurred while processing the data for this Permit. No data were saved for this Permit, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully, roll back all changes for the XML transaction.	Reject entire permit Transaction	Permit Identifier
BP040	The permit transaction contains key data and no other data for processing.	If the permit contains key data and no other data, ICIS rejects the permit transaction.	Reject entire permit transaction	Permit Identifier
BP060	A permit already exists for the key data entered.	For a permit transaction, the permit identified by the NPDES ID must not already exist in the ICIS system.	Reject entire permit transaction	Permit Identifier
BP070	Permit Identifier <Permit Identifier value> is not a valid format.	NPDES ID must follow the following format: Positions 1 and 2 must be a valid State or Tribe (i.e., in the ref_state table, usage indicator is N or B) or Valid Region (i.e., 01-10). Positions 3–9 must be alphanumeric and must be a unique combination within a common value for positions 1–2 (i.e., must be unique within state, tribe, or region except for multiple versions of the same permit). Note: This business rule is not checked for Replace transactions where the Permit exists in ICIS.	Reject entire permit transaction	Permit Identifier
BP080	A permit does not exist for the key data entered.	NPDES ID submitted must exist in ICIS.	Reject entire permit transaction	Permit Identifier
BP090	Associated Master General Permit Identifier cannot be changed.	When submitting the General Permit Data Payload, the Associated MGP ID cannot be changed. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
BP100	Permit Type Code must be entered for a permit.	Permit Type must exist for a Permit in ICIS. Note: This business rule is not checked for Replace transactions where the Permit exists in ICIS.	Reject entire permit transaction	Permit Identifier
BP1000	The last Compliance Tracking Status cannot be blanked out.	The last (i.e., only) set of CTS Code and CTS Start Date cannot be blanked out.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP1010	The Compliance Tracking Status Start Date <Status Start Date value> must be greater than the previous Compliance Tracking Status Start Date <previous Status Start Date value>.	CTS Start Date of the most recent CTS record must be greater than the CTS Start Date of the previous CTS record (if previous CTS exists). Note: • This business rule is not checked for Replace transactions where the Permit does not exist in ICIS • The most recent CTS record is the row being added or edited through batch transactions.	Reject entire permit transaction	Permit Identifier
BP1030	Effluent Guideline Code <Effluent Guideline Code value 1, Effluent Guideline Code value 2,...Effluent Guideline Code value n> does not exist or is inactive in the ICIS reference table.	Effluent Guideline Code must be a valid (i.e., Active) code in the REF_PERM_EFFLUENT table.	Reject entire permit transaction	Permit Identifier
BP1040	At least one Permittee Address must be entered for the permit with Affiliation Type Permittee (PMA).	The Permit must have at least one Permittee Address.	Reject entire permit transaction	Permit Identifier
BP1050	The Permit cannot be deleted because the Permit Status = Terminated.	If the Permit Status is Terminated, it cannot be deleted.	Reject entire permit transaction	Permit Identifier
BP1060	The Permit cannot be deleted because it has linked the following: (Received DMR Data, Single Event Violations, Program Reports, Permit Schedule Events with Report Received Date) Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. Parentheses will not display in the error messages; they just indicate that the message is dynamic.	A Permit cannot be deleted if it has any linked: • Received DMR Data • Single Event Violations • Program Reports • Permit Schedule Events with Report Received Date.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP1070	The Permit cannot be deleted because the Facility Interest is linked to the following activities: (Compliance Monitoring Activities, Enforcement Actions, Voluntary Disclosures, ADRs, Incidents, Compliance Assistance Activities, Compliance Determinations). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. Parentheses will not display in the error messages; they just indicate that the message is dynamic.	A Permit cannot be deleted if it has no previous versions and its Facility Interest is linked to one or more of the following activities: • Compliance Monitoring Activities • Enforcement Actions • Voluntary Disclosures • ADRs • Incidents • Compliance Assistance Activities Compliance Determinations	Reject entire permit transaction	Permit Identifier
BP1080	The Permit cannot be deleted because it is the only version of the Permit and it is listed as the Control Authority NPDES ID for at least one other Permit.	A Permit cannot be deleted if it has no previous versions and it is listed as the Control Authority NPDES ID for at least one other Permit.	Reject entire permit transaction	Permit Identifier
BP1090	The Permit cannot be deleted because it is the only version of the Permit and it is listed as the Receiving POTW ID for at least one other Permit.	A Permit cannot be deleted if it has no previous versions and it is listed as the Receiving POTW ID for at least one other Permit.	Reject entire permit transaction	Permit Identifier
BP2000	The Permit cannot be deleted because it is the only version of the Permit and it is listed as an Associated NPDES Permit for the current version of at least one other Permit.	A Permit cannot be deleted if it has no previous versions and it is listed as an Associated NPDES Permit for the current version of at least one other Permit.	Reject entire permit transaction	Permit Identifier
BP2020	The Permit cannot be deleted because it is listed as the Control Authority NPDES ID for at least one other Permit and the previous version of this Permit does not have a Pretreatment Program Required Indicator = Y (Approved).	A Permit with at least one previous version cannot be deleted if it is listed as the Control Authority NPDES ID for at least one other Permit unless the most recent previous version of the Permit (the one that will be made current) has a Pretreatment Program Required Indicator = Y (Approved).	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP2030	The Permit cannot be deleted because it is listed as an Associated NPDES Permit for at least one other Permit with an Associated NPDES Permit Reason = APP (Associated Pretreatment Program) and the previous version of this Permit does not have a Pretreatment Program Required Indicator = C (Covered).	A Permit with at least one previous version cannot be deleted if it is listed as an Associated NPDES Permit for at least one other Permit with a Reason = APP (Associated Pretreatment Program) unless the most recent previous version of the Permit (the one that will be made current) has a Pretreatment Program Required Indicator = C (Covered).	Reject entire permit transaction	Permit Identifier
BP2040	The Permit cannot be deleted because it is listed as the Receiving POTW ID for at least one other Permit and the previous version of this Permit does not have a Pretreatment Component.	A Permit with at least one previous version cannot be deleted if it is listed as the Receiving POTW ID for at least one other Permit unless the most recent previous version of the Permit (the one that will be made current) has a Pretreatment Component.	Reject entire permit transaction	Permit Identifier
BP110	The Permit Type Code <Permit Type Code value> is invalid for the Basic Permit Data Payload.	When submitting the Basic Permit Data Payload, the Permit Type must be one of the following: • NPDES Individual Permit • Individual IU Permit (Non-NPDES) • Individual State Issued Permit (Non- NPDES) • Associated Permit Record	Reject entire permit transaction	Permit Identifier
BP120	The Permit Type Code <Permit Type Code value> is invalid for the General Permit Data Payload.	When submitting the General Permit Data Payload, the Permit Type must be General Permit Covered Facility.	Reject entire permit transaction	Permit Identifier
BP140	The Associated Master General Permit Identifier must be entered because Permit Type Code equals GPC.	If Permit Type is General Permit Covered Facility (GPCF), an Associated Master General Permit (MGP) ID must exist. Note: This business rule is not checked for Replace transactions where the Permit exists in ICIS.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP150	The Associated Master General Permit Identifier <Associated Master General Permit Identifier value> does not exist in ICIS or is neither a NPDES Master General Permit (NGP) or State Master General Permit (SNN).	If Permit Type is GPCF, the Associated MGP ID must currently exist in ICIS with a Permit Type of NPDES Master General Permit or State Issued Master General Permit (Non-NPDES). Note: This business rule is not checked for Replace transactions where the Permit exists in ICIS.	Reject entire permit transaction	Permit Identifier
BP160	The Associated Master General Permit Identifier <Associated Master General Permit Identifier value> does not have Permit Effective and Expiration Dates.	If Permit Type is GPCF, the Associated MGP ID that is submitted must have Permit Effective and Permit Expiration dates entered. Note: This business rule is not checked for Replace transactions where the Permit exists in ICIS.	Reject entire permit transaction	Permit Identifier
BP170	Receiving Permit Identifier must be entered because Permit Type Code is IIU.	If Permit Type is IU then Receiving POTW ID must be entered.	Reject entire permit transaction	Permit Identifier
BP180	The Receiving Permit Identifier <Receiving Permit Identifier value> entered does not exist in ICIS.	If Permit Type is IU, the value entered in Receiving POTW ID must exist in the ICIS system.	Reject entire permit transaction	Permit Identifier
BP190	The Receiving Permit Identifier <Receiving Permit Identifier value> entered does not have a Pretreatment Component.	If Permit Type is IU, Receiving POTW ID must have a Pretreatment Component.	Reject entire permit transaction	Permit Identifier
BP200	(Receiving Permit Identifier, Significant IU Indicator) can only be entered if Permit Type Code is IIU. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Receiving POTW ID and IU/SIU Indicator can only be entered if the Permit Type is IU.	Reject entire permit transaction	Permit Identifier
BP230	Permit Type Code cannot be changed.	Permit Type cannot be changed. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
BP240	Agency Type Code must be entered for a permit.	Agency Type must be entered for a permit.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP250	Agency Type Code <Agency Type Code value> is not valid for Permits, or is inactive in the ICIS reference table.	Agency Type Code must be a valid (i.e., Active) code with an Activity_Group_Code = PER in the REF_AGENCY_TYPE table.	Reject entire permit transaction	Permit Identifier
BP340	Permit Status Code cannot be changed to Not Needed after the Effective Date has been reached.	Permit Status cannot be changed to Not Needed once the Permit Effective Date has been reached. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
BP350	Permit Status Code cannot be changed because the current status is Terminated.	If the Permit Status Code is Terminated, it cannot be changed. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
BP360	When any one of the Permit Dates (Permit Issue Date, Permit Effective Date, and Permit Expiration Date) exists all three Permit Dates must exist. One or more of the dates are missing.	If any one of the Permit Dates (Issue, Effective, or Expiration) exists, then all 3 dates must exist.	Reject entire permit transaction	Permit Identifier
BP370	The Permit Issue Date <Permit Issue Date value> must be less than or equal to Permit Effective Date <Permit Effective Date value>.	Permit Issue Date must be less than or equal to Permit Effective Date.	Reject entire permit transaction	Permit Identifier
BP380	The Permit Effective Date <Permit Effective Date value> must be less than or equal to Permit Expiration Date <Permit Expiration Date value>.	Permit Effective Date must be less than or equal to Permit Expiration Date.	Reject entire permit transaction	Permit Identifier
BP390	The Permit Expiration Date <Permit Expiration Date value> cannot be greater than 5 years after the Permit Effective Date <Permit Effective Date value>.	Permit Expiration Date cannot be greater than 5 years after the Permit Effective Date. Note: This rule is only checked if Permit Effective Date and Permit Expiration Date have not already been saved.	Reject entire permit transaction	Permit Identifier
BP400	Permit Effective Date and Permit Expiration Date cannot be changed.	Permit Effective Date and Permit Expiration Date cannot be changed once they have been saved. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP410	The earliest Schedule Date of the Permit Schedule(s) < Narrative Condition Number value 1, Narrative Condition Number value 2,…Narrative Condition Number value n> must be greater than or equal to the Permit Effective Date <Permit Effective Date value>. Note: For this error message, each Permit Schedule will be listed that has this error.	If a Permit Schedule exists when the Permit Dates are entered, the Schedule Date of the earliest Permit Schedule Event must be greater than or equal to the Permit Effective date. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
BP420	The earliest Monitoring Period End Date for Limit Set(s) <Permitted Feature Identifier value 1| Limit Set Designator value 1, Permitted Feature Identifier value 2| Limit Set Designator value 2,… Permitted Feature Identifier value n| Limit Set Designator value n> must be greater than the Permit Effective Date <Permit Effective Date value>. Note: For this error message, each Limit Set will be listed that has this error.	If a Limit Set exists when the Permit Dates are entered, the earliest Monitoring Period End Date / Modification Monitoring Period End Date must be greater than the Permit Effective Date. Note: • This business rule is not checked for Replace transactions where the Permit does not exist in ICIS • This business rule is not checked for Unscheduled Limit Sets.	Reject entire permit transaction	Permit Identifier
BP430	The Modification Effective Date of Limit Set(s) < Permitted Feature Identifier value 1| Limit Set Designator value 1, Permitted Feature Identifier value 2| Limit Set Designator value 2,… Permitted Feature Identifier value n| Limit Set Designator value n> must be greater than or equal to the Permit Issue Date <Permit Issue Date value>. Note: For this error message, each Limit Set will be listed that has this error.	If a Limit Set exists, the Limit Set Schedule Modification Effective Date must be greater than or equal to the Permit Issue Date. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP440	The Modification Effective Date of Limit Set(s) < Permitted Feature Identifier value 1| Limit Set Designator value 1, Permitted Feature Identifier value 2| Limit Set Designator value 2,… Permitted Feature Identifier value n| Limit Set Designator value n> must be less than or equal to the Permit Expiration Date <Permit Expiration Date value>. Note: For this error message, each Limit Set will be listed that has this error.	If a Limit Set exists when the Permit dates are entered, the Limit Set Schedule Modification Effective Date must be less than or equal to the Permit Expiration Date. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
BP450	Associated Permit <Associated Permit Identifier value 1, Associated Permit Identifier 2, …Associated Permit Identifier n> does not exist in ICIS.	The value entered in Associated NPDES ID must exist in ICIS.	Reject entire permit transaction	Permit Identifier
BP460	The combination of Associated Permit Identifier <Associated Permit Identifier value> and Associated Permit Reason Code <Associated Permit Reason Code value> already exists for this permit.	The combination of Associated NPDES ID and Association Reason must be unique within the permit.	Reject entire permit transaction	Permit Identifier
BP470	Associated Permit Reason Code <Associated Permit Reason Code value 1, Associated Permit Reason Code value 2,…Associated Permit Reason Code n> does not exist or is inactive in the ICIS reference table.	Association Reason Code must be a valid (i.e., Active) code in the REF_PERM_ASSOCIATION table.	Reject entire permit transaction	Permit Identifier
BP480	The Associated Permit Identifier <Associated Permit Identifier value> must have a Pretreatment Program Required Indicator of Covered (C).	When a permit with a Pretreatment Component has the Pretreatment Program Required Indicator equal to 'Approved' (code = Y), any Associated NPDES Permits with the Association Reason equal to 'Associated Pretreatment Program' must have a Pretreatment Program Required Indicator equal to 'Covered' (code = C). Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP490	Both asterisks and values were entered in the required tags Associated Permit Identifier and Associated Permit Reason Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required Associated Permit tags (Associated Permit Identifier and Associated Permit Reason Code) to blank out all Associated Permits. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject entire permit transaction	Permit Identifier
BP500	Permit SIC Code <SIC Code value 1, SIC Code value 2,…SIC Code value n> does not exist or is inactive in the ICIS reference table.	Permit SIC Code must be a valid (i.e., Active) code in the REF_SIC table.	Reject entire permit transaction	Permit Identifier
BP510	More than one permit SIC Code <SIC Code value 1, SIC Code value 2, … SIC Code value n> has been designated with a SIC Primary Indicator Code.	Only one permit SIC Code can be designated as the Primary SIC Code.	Reject entire permit transaction	Permit Identifier
BP520	Permit NAICS Code <NAICS Code value 1, NAICS Code Value 2,… NAICS Code value n> does not exist or is inactive in the ICIS reference table.	Permit NAICS Code must be a valid (i.e., Active) code in the REF_NAICS table.	Reject entire permit transaction	Permit Identifier
BP530	More than one permit NAICS Code <NAICS Code value 1, NAICS Code value 2, … NAICS Code value n> has been designated with a NAICS Primary Indicator Code.	Only one permit NAICS Code can be designated as the Primary NAICS Code.	Reject entire permit transaction	Permit Identifier
BP540	Both asterisks and values were entered in the required permit tags SIC Code and SIC Primary Indicator Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required permit SIC tags (SIC Code and Primary SIC) to blank out all permit SIC Codes. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject entire permit transaction	Permit Identifier
BP550	Both asterisks and values were entered in the required permit tags NAICS Code and NAICS Primary Indicator Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required permit NAICS tags (NAICS Code and Primary NAICS) to blank out all permit NAICS Codes. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject entire permit transaction	Permit Identifier
BP560	Permit SIC Code <SIC Code value> was submitted multiple times with different SIC Primary Indicator Code values.	The same permit SIC Code cannot be included multiple times with different SIC Primary Indicator Codes.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP570	Permit NAICS Code <NAICS Code value> was submitted multiple times with different NAICS Primary Indicator Code values.	The same permit NAICS Code cannot be included multiple times with different NAICS Primary Indicator Codes.	Reject entire permit transaction	Permit Identifier
BP580	Major Minor Rating Code cannot be entered because this permit has a POTW Component.	Major/Minor Rating Code must not exist for a Permit with a POTW component. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
BP930	(Compliance Tracking Status Code, Compliance Tracking Status Start Date, and Compliance Tracking Status Reason) cannot be entered until the Permit Effective Date has been reached. Note: In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. Parentheses will not display in the error messages; they just indicate that the message is dynamic.	CTS Code, CTS Start Date, and CTS Reason can only be entered once the Effective Date has been reached (This means, if Effective Date is blank or greater than current system date, CTS cannot be entered).	Reject entire permit transaction	Permit Identifier
BP940	(Compliance Tracking Status Code, Compliance Tracking Status Start Date , and Compliance Tracking Status Reason) cannot exist because the Permit Status Code is Not Needed. Note: In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. Parentheses will not display in the error messages; they just indicate that the message is dynamic.	CTS Code, CTS Start Date, and CTS Reason must not exist if the Permit Status is Not Needed.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BP950	Compliance Tracking Status Start Date <Status Start Date value> cannot be greater than or equal to the Permit Termination Date <Permit Termination Date value>.	CTS Code and CTS Start Date may not be submitted with a date that is greater than or equal to the Permit Termination Date. Notes: • Once the permit is Terminated the CTS Code must be Off and can no longer be edited through Batch. • This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
BP960	1) Compliance Tracking Status Code must be entered because Compliance Tracking Status Start Date has been entered. 2) Compliance Tracking Status Start Date must be entered because Compliance Tracking Status Code has been entered.	If CTS Code exists, then CTS Start Date must also exist and vice versa.	Reject entire permit transaction	Permit Identifier
BP970	Compliance Tracking Status Start Date <Status Start Date value> must be less than or equal to the current date.	CTS Start Date must be less than or equal to the current date.	Reject entire permit transaction	Permit Identifier
BP980	Compliance Tracking Status Start Date <Status Start Date value> must be greater than or equal to the Permit Effective Date <Permit Effective Date value>.	CTS Start Date must be greater than or equal to the Permit Effective Date.	Reject entire permit transaction	Permit Identifier
BP990	The earliest Compliance Tracking Status Start Date <Status Start Date value> must equal the Permit Effective Date <Permit Effective Date value>.	The earliest CTS Start Date must equal the Permit Effective Date.	Reject entire permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA005	Affiliation Type must have an App_Module_Code of <App_Module_Code listed in the bullets below, by Submission Type> in the XREF_AFFILIATION_MODULE table. • Basic Permit – PMC, FAC • Biosolids Permit – BIO • CAFO Permit – CAF • Compliance Monitoring – IPN • General Permit – PMC, FAC • Master General Permit – PMC • Permitted Feature – PMF • Pretreatment Permit – PRE • SW Construction Permit – SMC • SW Event Report – PGR • SW Industrial Permit – SMC • SW MS4 Large Permit – SMC • SW MS4 Program Report – PGR • SW MS4 Small Permit – SMC • Unpermitted Facility - FAC Note: Basic Permit and General Permit have both Permit Contacts and Addresses and Facility Contacts and Addresses. The Affiliation Type for Permit Contacts and Addresses must have an App_Module_Code of PMC and the Affiliation Type for Facility Contacts and Addresses must have an App_Module_Code of FAC.	The Affiliation Type Text <Affiliation Type Text value 1, Affiliation Type Text value 2,…Affiliation Type Text value n> is not valid for a <Submission Type value>.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA005	Affiliation Type must have an App_Module_Code of <App_Module_Code listed in the bullets below, by Submission Type> in the XREF_AFFILIATION_MODULE table. • Basic Permit – PMC, FAC • Biosolids Permit – BIO • CAFO Permit – CAF • Compliance Monitoring – IPN • General Permit – PMC, FAC • Master General Permit – PMC • Permitted Feature – PMF • Pretreatment Permit – PRE • SW Construction Permit – SMC • SW Event Report – PGR • SW Industrial Permit – SMC • SW MS4 Large Permit – SMC • SW MS4 Program Report – PGR • SW MS4 Small Permit – SMC • Unpermitted Facility - FAC Note: Basic Permit and General Permit have both Permit Contacts and Addresses and Facility Contacts and Addresses. The Affiliation Type for Permit Contacts and Addresses must have an App_Module_Code of PMC and the Affiliation Type for Facility Contacts and Addresses must have an App_Module_Code of FAC.	The Affiliation Type Text <Affiliation Type Text value 1, Affiliation Type Text value 2,…Affiliation Type Text value n> is not valid for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA010	Affiliation Type must be a valid (i.e., Active) code with an Affiliation_Category of Non-Government in the REF_AFFILIATION_TYPE table.	Affiliation Type Text <Affiliation Type Text value> does not have an Affiliation_Category of Non-Government, or does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA010	Affiliation Type must be a valid (i.e., Active) code with an Affiliation_Category of Non-Government in the REF_AFFILIATION_TYPE table.	Affiliation Type Text <Affiliation Type Text value> does not have an Affiliation_Category of Non-Government, or does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA020	Asterisks must be entered in all required tags to blank out all Contacts and Addresses. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected. Required tags for Contact are Affiliation Type, First Name, Last Name, and Individual Title. Required tags for Address are Affiliation Type, Organization Formal Name, Street Address, City, State, and Zip Code.	For one or more <Submission Type value> Contacts or Addresses, both asterisks and values were entered in the required tags. The required tags must contain either all asterisks or all values.	Reject entire transaction	PermitIdentifier
CA020	Asterisks must be entered in all required tags to blank out all Contacts and Addresses. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected. Required tags for Contact are Affiliation Type, First Name, Last Name, and Individual Title. Required tags for Address are Affiliation Type, Organization Formal Name, Street Address, City, State, and Zip Code.	For one or more <Submission Type value> Contacts or Addresses, both asterisks and values were entered in the required tags. The required tags must contain either all asterisks or all values.	Reject entire transaction	PermitIdentifier
CA040	State must be a valid (i.e., Active) code in the REF_STATE table.	State Code <State Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA040	State must be a valid (i.e., Active) code in the REF_STATE table.	State Code <State Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA050	State must be a state where the Usage_Indicator = A or B in the REF_STATE table	State Code <State Code value> is not valid for a <Submission Type value> Contact.	Reject entire transaction	PermitIdentifier
CA050	State must be a state where the Usage_Indicator = A or B in the REF_STATE table	State Code <State Code value> is not valid for a <Submission Type value> Contact.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA060	Region must be a valid (i.e., Active) code in the REF_REGION table.	Region Code <Region Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA060	Region must be a valid (i.e., Active) code in the REF_REGION table.	Region Code <Region Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA070	There cannot be duplicate Contacts associated with the same Affiliation Type for the same record.	The <Submission Type value> Contact <Affiliation Type Text value, First Name value, Last Name value, Individual Title Text value> already exists.	Reject entire transaction	PermitIdentifier
CA070	There cannot be duplicate Contacts associated with the same Affiliation Type for the same record.	The <Submission Type value> Contact <Affiliation Type Text value, First Name value, Last Name value, Individual Title Text value> already exists.	Reject entire transaction	PermitIdentifier
CA080	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • CEL • FAX • PGE	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of Contact Phone Number for a <Submission Type value>. The valid types are OFF, CEL, FAX, and PGE.	Reject entire transaction	PermitIdentifier
CA080	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • CEL • FAX • PGE	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of Contact Phone Number for a <Submission Type value>. The valid types are OFF, CEL, FAX, and PGE.	Reject entire transaction	PermitIdentifier
CA085	For each unique Contact, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 CEL, only 1 FAX, and only 1 PGE).	The following Telephone Number Type Code(s) cannot be entered more than once for the <Submission Type value> Contact <Affiliation Type Text value, First Name value, Last Name value, Individual Title Text value>: <Telephone Number Type Code value 1>, <Telephone Number Type Code value 2>, … <Telephone Number Type Code value n>.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA085	For each unique Contact, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 CEL, only 1 FAX, and only 1 PGE).	The following Telephone Number Type Code(s) cannot be entered more than once for the <Submission Type value> Contact <Affiliation Type Text value, First Name value, Last Name value, Individual Title Text value>: <Telephone Number Type Code value 1>, <Telephone Number Type Code value 2>, … <Telephone Number Type Code value n>.	Reject entire transaction	PermitIdentifier
CA090	Telephone Number Extension can only be entered for Telephone Number of Type OFF. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Warning: Telephone Extension Number is not a valid tag for <Submission Type value> Contact Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved.	N/A	PermitIdentifier
CA090	Telephone Number Extension can only be entered for Telephone Number of Type OFF. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Warning: Telephone Extension Number is not a valid tag for <Submission Type value> Contact Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved.	N/A	PermitIdentifier
CA110	State must be a valid (i.e., Active) code in the REF_STATE table.	Mailing Address State Code <Mailing Address State Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA110	State must be a valid (i.e., Active) code in the REF_STATE table.	Mailing Address State Code <Mailing Address State Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA120	Country must be a valid (i.e., Active) code in the REF_COUNTRY table.	Mailing Address Country Code <Mailing Address Country Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA120	Country must be a valid (i.e., Active) code in the REF_COUNTRY table.	Mailing Address Country Code <Mailing Address Country Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA130	There cannot be duplicate Addresses associated with the same Affiliation Type for the same record.	The <Submission Type value> Address <Affiliation Type Text value, Organization Formal Name value, Mailing Address Text value, Mailing Address City Name value, Mailing Address State value, and Mailing Address ZIP Code value> already exists.	Reject entire transaction	PermitIdentifier
CA130	There cannot be duplicate Addresses associated with the same Affiliation Type for the same record.	The <Submission Type value> Address <Affiliation Type Text value, Organization Formal Name value, Mailing Address Text value, Mailing Address City Name value, Mailing Address State value, and Mailing Address ZIP Code value> already exists.	Reject entire transaction	PermitIdentifier
CA140	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • ALT • FAX	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of <Submission Type value> Address Phone Number. The valid types are OFF, ALT, and FAX.	Reject entire transaction	PermitIdentifier
CA140	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • ALT • FAX	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of <Submission Type value> Address Phone Number. The valid types are OFF, ALT, and FAX.	Reject entire transaction	PermitIdentifier
CA150	For each unique Address, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 ALT, and only 1 FAX).	The following Telephone Number Type Code(s) cannot be entered more than once for the <Submission Type value> Contact Address <Affiliation Type Text value, Organization Formal Name value, Mailing Address Text value, Mailing Address City Name value, Mailing Address State value, and Mailing Address ZIP Code value>: <Telephone Number Type Code value 1>, <Telephone Number Type Code value 2>, … <Telephone Number Type Code value n>.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA150	For each unique Address, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 ALT, and only 1 FAX).	The following Telephone Number Type Code(s) cannot be entered more than once for the <Submission Type value> Contact Address <Affiliation Type Text value, Organization Formal Name value, Mailing Address Text value, Mailing Address City Name value, Mailing Address State value, and Mailing Address ZIP Code value>: <Telephone Number Type Code value 1>, <Telephone Number Type Code value 2>, … <Telephone Number Type Code value n>.	Reject entire transaction	PermitIdentifier
CA160	Telephone Number Extension can only be entered for Telephone Number of Type OFF and ALT. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Warning: Telephone Extension Number is not a valid tag for <Submission Type value> Address Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved.	N/A	PermitIdentifier
CA160	Telephone Number Extension can only be entered for Telephone Number of Type OFF and ALT. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Warning: Telephone Extension Number is not a valid tag for <Submission Type value> Address Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved.	N/A	PermitIdentifier
FAC050	Location State Code <Location State Code value> does not exist or is inactive in the ICIS reference table.	State must be a valid (i.e., Active) code in the REF_STATE table.	Reject the entire permit transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FAC060	(Facility Site Name <Facility Site Name value>, Address <Location Address Text value>, City <Locality Name value>, State <Location State Code value>, Zip Code <Location Zip Code value>) must exist in ICIS. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The following Facility Location data must exist in ICIS: • Facility Site Name • Address • City • State • Zip Code	Reject entire permit transaction	Permit Identifier
FAC070	Location Country Code <Location Country Code value> does not exist or is inactive in the ICIS reference table.	Country must be a valid (i.e., Active) code in the REF_COUNTRY table.	Reject the entire permit transaction.	Permit Identifier
FAC080	Facility SIC Code <SIC Code value 1, SIC Code value 2, … SIC Code Value n> does not exist or is inactive in the ICIS reference table.	Facility SIC Code must be a valid (i.e., Active) code in the REF_SIC table.	Reject the entire permit transaction.	Permit Identifier
FAC090	Facility NAICS Code <NAICS Code value 1, NAICS Code value 2, … NAICS Code value n> does not exist or is inactive in the ICIS reference table.	Facility NAICS Code must be a valid (i.e., Active) code in the REF_NAICS table.	Reject the entire permit transaction.	Permit Identifier
FAC100	More than one facility SIC Code <SIC Code value 1, SIC Code value 2, … SIC Code value n> has been designated with a SIC Primary Indicator Code.	Only one facility SIC Code can be designated as the Primary SIC Code.	Reject the entire permit transaction.	Permit Identifier
FAC110	More than one facility NAICS Code <NAICS Code value 1, NAICS Code value 2, … NAICS Code value n> has been designated with a NAICS Primary Indicator Code.	Only one facility NAICS Code can be designated as the Primary NAICS Code.	Reject the entire permit transaction.	Permit Identifier
FAC120	Both asterisks and values were entered in the required facility tags SIC Code and SIC Primary Indicator Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required facility SIC tags (SIC Code and SIC Primary Indicator Code) to blank out all facility SIC Codes. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject the entire permit transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FAC130	Both asterisks and values were entered in the required facility tags NAICS Code and NAICS Primary Indicator Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required facility NAICS tags (NAICS Code and NAICS Primary Indicator Code) to blank out all facility NAICS Codes. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject the entire permit transaction.	Permit Identifier
FAC140	Facility SIC Code <SIC Code value> was submitted multiple times with different SIC Primary Indicator Code values.	The same facility SIC Code cannot be included multiple times with different SIC Primary Indicator Codes.	Reject the entire permit transaction.	Permit Identifier
FAC150	Facility NAICS Code <NAICS Code value> was submitted multiple times with different NAICS Primary Indicator Code values.	The same facility NAICS Code cannot be included multiple times with different NAICS Primary Indicator Codes.	Reject the entire permit transaction.	Permit Identifier
FAC160	Facility SIC Code(s) <SIC Code value 1, SIC Code value 2…SIC Code value n> cannot be removed from the facility because it also applies to the permit associated with this facility.	A facility SIC Code cannot be removed from the facility if it also exists for the permit associated with this facility. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject the entire permit transaction.	Permit Identifier
FAC170	Facility NAICS Code(s) <NAICS Code value 1, NAICS Code value 2…NAICS Code value n> cannot be removed from the facility because it also applies to the permit associated with this facility.	A facility NAICS Code cannot be removed from the facility if it also exists for the permit associated with this facility. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject the entire permit transaction.	Permit Identifier
FAC190	Tribal Land Code <Tribal Land Code value> does not exist or is inactive in the ICIS reference table.	Tribal Land must be a valid (i.e., Active) code in the REF_TRIBAL_LAND table.	Reject the entire permit transaction.	Permit Identifier
FAC200	State Facility Identifier <State Facility Identifier value> already exists for a Facility in this state.	State Facility Identifier must be unique within each state based on the Facility's Location Address.	Reject the entire permit transaction.	Permit Identifier
FAC210	Facility Classification <Facility Classification value 1, Facility Classification value 2, … Facility Classification value n> does not exist or is inactive in the ICIS reference table.	Classification must be a valid (i.e., Active) code in the REF_CLASSIFICATION table.	Reject the entire permit transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FAC220	The Policy Code <Policy Code value 1, Policy Code value 2,… Policy Code value n> does not exist or is inactive in the ICIS reference table.	Policy must be a valid (i.e., Active) code in the REF_POLICY table.	Reject the entire permit transaction.	Permit Identifier
FAC230	The Federal Agency Code <Federal Agency Code value> does not exist or is inactive in the ICIS reference table.	Federal Agency must be a valid (i.e., Active) code in the REF_FEDERAL_AGENCY table.	Reject the entire permit transaction.	Permit Identifier
FAC240	The Originating Programs Code <Originating Programs Code value 1, Originating Programs Code value 2, Originating Programs Code value n> does not exist or is inactive in the ICIS reference table.	Originating Program must be a valid (i.e., Active) code in the REF_PROGRAM table.	Reject the entire permit transaction.	Permit Identifier
FAC250	Facility Type of Ownership Code <Facility Type of Ownership Code value> does not exist or is inactive in the ICIS reference table.	Facility Type of Ownership must be a valid (i.e., Active) code in the REF_FACILITY_TYPE table.	Reject the entire permit transaction.	Permit Identifier
FAC260	1) Latitude Measure must be entered because Longitude Measure has been entered. 2) Longitude Measure must be entered because Latitude Measure has been entered.	Latitude must be entered if Longitude is entered and vice versa. Note: When submitting a Change or Replace (like Change) transaction, Latitude must be submitted if Longitude is entered, and vice versa; however, when updating an existing record if Latitude already exists in ICIS it does not need to be resubmitted, and vice versa with Longitude.	Reject the entire permit transaction.	Permit Identifier
FAC270	The following data cannot be entered because Facility Latitude and Facility Longitude were not entered: (Horizontal Accuracy Measure, Horizontal Collection Method Code, Horizontal Reference Datum Code, Reference Point Code). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The following data may only be entered if Facility Latitude and Facility Longitude are entered: • Horizontal Accuracy Measure • Horizontal Collection Method • Horizontal Reference Datum • Reference Point. Note: When submitting a Change or Replace (like Change) transaction, Lat/Long must be submitted with any of these data tags, however, when updating an existing record if Lat/Long already exists in ICIS it does not need to be resubmitted.	Reject the entire permit transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FAC280	Geometric Type Code <Geometric Type Code value> does not exist or is inactive in the ICIS reference table.	Geometric Type must be a valid (i.e., Active) code in the REF_GEOMETRIC_TYPE table.	Reject the entire permit transaction.	Permit Identifier
FAC290	Horizontal Collection Method Code <Horizontal Collection Method Code value> does not exist or is inactive in the ICIS reference table.	Horizontal Collection Method must be a valid (i.e., Active) code in the REF_HORIZONTAL_COLLECT_METHOD table.	Reject the entire permit transaction.	Permit Identifier
FAC300	Horizontal Reference Datum Code <Horizontal Reference Code value> does not exist or is inactive in the ICIS reference table.	Horizontal Reference Datum must be a valid (i.e., Active) code in the REF_HORIZONTAL_REF_DATUM table.	Reject the entire permit transaction.	Permit Identifier
FAC310	The Reference Point Code <Reference Point Code value> does not exist or is inactive in the ICIS reference table.	Reference Point must be a valid (i.e., Active) code in the REF_REFERENCE_POINT table.	Reject the entire permit transaction.	Permit Identifier
FAC320	1) Construction Project Latitude Measure must be entered because Construction Project Longitude Measure has been entered. 2) Construction Project Longitude Measure must be entered because Construction Latitude Measure has been entered.	Construction Latitude must be entered if Construction Longitude is entered and vice versa. Note: When submitting a Change or Replace (like Change) transaction, Construction Latitude must be submitted with any of these data tags, and vice versa; however, when updating an existing record if Construction Latitude already exists in ICIS it does not need to be resubmitted, and vice versa.	Reject the entire permit transaction.	Permit Identifier
FAC330	Latitude Measure <Latitude Measure value> must be greater than or equal to -90 and less than or equal to 90.	Latitude must be greater than or equal to -90 and less than or equal to 90.	Reject entire Permitted Feature transaction	Permit Identifier
FAC340	Longitude Measure <Longitude Measure value> must be greater than or equal to -180 and less than or equal to 180.	Longitude must be greater than or equal to -180 and less than or equal to 180.	Reject entire Permitted Feature transaction	Permit Identifier
FAC350	Construction Project Latitude Measure <Construction Project Latitude Measure value> must be greater than or equal to -90 and less than or equal to 90.	Construction Project Latitude must be greater than or equal to -90 and less than or equal to 90.	Reject entire Permitted Feature transaction	Permit Identifier
FAC360	Construction Project Longitude Measure <Construction Project Longitude Measure value> must be greater than or equal to -180 and less than or equal to 180.	Construction Project Longitude must be greater than or equal to -180 and less than or equal to 180.	Reject entire Permitted Feature transaction	Permit Identifier

9.1.5 Master General Permit Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a master general permit transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Permits. Valid Transaction Types are N (New), C (Change), R (Replace), D (Delete).	Reject entire Master General Permit transaction	Permit Identifier
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Master General Permit transaction	Permit Identifier
MGP030	The Permit transaction contains key data and no other data for processing.	If the permit contains key data and no other data, ICIS rejects the Permit transaction.	Reject entire Master General Permit transaction	Permit Identifier
MGP040	A permit already exists for the key data entered.	The permit identified by the NPDES ID must not already exist in the ICIS system.	Reject entire Master General Permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
MGP050	Permit Identifier <Permit Identifier value> is not a valid format.	NPDES ID must follow the following format: • Positions 1 and 2 must be a valid State or Tribe (i.e., in the REF_STATE table, usage indicator is N or B) or a Valid Region (i.e., 01-10). • Positions 3–9 must be alphanumeric and must be a unique combination within a common value for positions 1–2 (i.e., must be unique within state, tribe, or region except for multiple versions of the same Permit). Note: This business rule is not checked for Replace transactions where the Permit exists in ICIS.	Reject entire Master General Permit transaction	Permit Identifier
MGP060	A permit does not exist for the key data entered.	NPDES ID submitted must exist in ICIS.	Reject entire Master General Permit transaction	Permit Identifier
MGP065	Permit Type Code must be entered for a permit.	Permit Type must exist for a Permit in ICIS. Note: This business rule is not checked for Replace transactions where the Permit exists in ICIS.	Reject entire permit transaction	Permit Identifier
MGP070	The Permit Type Code <Permit Type Code value> is invalid for the Master General Permit Data Payload.	When submitting the Master General Permit Data Payload, the Permit Type must be one of the following: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES)	Reject entire Master General Permit transaction	Permit Identifier
MGP080	Permit Type Code cannot be changed.	Permit Type cannot be changed. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire Master General Permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
MGP100	Agency Type Code must be entered for a permit.	Agency Type must be entered for a Master General Permit.	Reject entire Master General Permit transaction	Permit Identifier
MGP110	Agency Type Code <Agency Type Code value> is not valid for permits, or is inactive in the ICIS reference table.	Agency Type must be a valid (i.e., Active) code with an Activity_Group_Code = PER in the REF_AGENCY_TYPE table.	Reject entire Master General Permit transaction	Permit Identifier
MGP115	Permit Status Code cannot be changed because the current status is Terminated.	If the Permit Status Code is Terminated, it cannot be changed. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
MGP120	When any one of the Permit Dates (Permit Issue Date, Permit Effective Date, and Permit Expiration Date) exists, all three Permit Dates must exist. One or more of the dates are missing.	If any one of the Permit Dates (Issue, Effective, or Expiration) exists, then all 3 dates must exist.	Reject entire Master General Permit transaction	Permit Identifier
MGP130	The Permit Issue Date <Permit Issue Date value> must be less than or equal to Permit Effective Date <Permit Effective Date value>.	Permit Issue Date must be less than or equal to Permit Effective Date.	Reject entire Master General Permit transaction	Permit Identifier
MGP140	The Permit Effective Date <Permit Effective Date value> must be less than or equal to Permit Expiration Date <Permit Expiration Date value>.	Permit Effective Date must be less than or equal to Permit Expiration Date.	Reject entire Master General Permit transaction	Permit Identifier
MGP150	The Permit Expiration Date <Permit Expiration Date value> cannot be greater than 5 years after the Permit Effective Date <Permit Effective Date value>.	Permit Expiration Date cannot be greater than 5 years after the Permit Effective Date. Note: This rule is only checked if Permit Effective Date and Permit Expiration Date have not already been saved.	Reject entire Master General Permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
MGP160	The earliest Monitoring Period End Date for Limit Set(s) < Permitted Feature Identifier value 1| Limit Set Designator value 1, Permitted Feature Identifier value 2| Limit Set Designator value 2,… Permitted Feature Identifier value n| Limit Set Designator value n> must be greater than the Permit Effective Date <Permit Effective Date value>. Note: For this error message, each Limit Set will be listed that has this error.	If a Limit Set exists when the Permit dates are entered, the earliest Monitoring Period End Date / Modification Monitoring Period End Date must be greater than the Permit Effective Date. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire Master General Permit transaction	Permit Identifier
MGP170	The Modification Effective Date of Limit Set(s) < Permitted Feature Identifier value 1| Limit Set Designator value 1, Permitted Feature Identifier value 2| Limit Set Designator value 2,… Permitted Feature Identifier value n| Limit Set Designator value n> must be greater than or equal to the Permit Issue Date <Permit Issue Date value>. Note: For this error message, each Limit Set will be listed that has this error.	If a Limit Set exists, the Limit Set Schedule Modification Effective Date must be greater than or equal to the Permit Issue Date. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire Master General Permit transaction	Permit Identifier
MGP180	The Modification Effective Date of Limit Set(s) < Permitted Feature Identifier value 1| Limit Set Designator value 1, Permitted Feature Identifier value 2| Limit Set Designator value 2,… Permitted Feature Identifier value n| Limit Set Designator value n> must be less than or equal to the Permit Expiration Date <Permit Expiration Date value>. Note: For this error message, each Limit Set will be listed that has this error.	If a Limit Set exists when the Permit Dates are entered, the Limit Set Schedule Modification Effective Date must be less than or equal to the Permit Expiration Date. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire Master General Permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
MGP190	The earliest Schedule Date of the Permit Schedule(s) < Narrative Condition Number value 1, Narrative Condition Number value 2,…Narrative Condition Number value n> must be greater than or equal to the Permit Effective Date <Permit Effective Date value>. Note: For this error message, each Permit Schedule will be listed that has this error.	If a Permit Schedule exists when the Permit Dates are entered, the Schedule Date of the earliest Permit Schedule Event must be greater than or equal to the Permit Effective date. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
MGP200	Permit Effective Date and Permit Expiration Date cannot be changed.	Permit Effective Date and Permit Expiration Date cannot be changed once they have been saved. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire permit transaction	Permit Identifier
MGP210	Associated Permit <Associated Permit Identifier value 1, Associated Permit Identifier 2, …Associated Permit Identifier n> does not exist in ICIS.	The value entered in Associated NPDES ID must exist in ICIS.	Reject entire Master General Permit transaction	Permit Identifier
MGP220	The combination of Associated Permit Identifier <Associated Permit Identifier value> and Associated Permit Reason Code <Associated Permit Reason Code value> already exists for this permit.	The combination of Associated NPDES ID and Association Reason must be unique within the permit.	Reject entire Master General Permit transaction	Permit Identifier
MGP230	Associated Permit Reason Code <Associated Permit Reason Code value 1, Associated Permit Reason Code value 2,…Associated Permit Reason Code n> does not exist or is inactive in the ICIS reference table.	Association Reason Code must be a valid (i.e., Active) code in the REF_PERM_ASSOCIATION table.	Reject entire Master General Permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
MGP240	Both asterisks and values were entered in the required tags Associated Permit Identifier and Associated Permit Reason Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required Associated Permit tags (Associated Permit Identifier and Associated Permit Reason Code) to blank out all Associated Permits. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject entire Master General Permit transaction	Permit Identifier
MGP250	Permit SIC Code <SIC Code value 1, SIC Code value 2,…SIC Code value n> does not exist or is inactive in the ICIS reference table.	Permit SIC Code must be a valid (i.e., Active) code in the REF_SIC table.	Reject entire Master General Permit transaction	Permit Identifier
MGP260	More than one permit SIC Code <SIC Code value 1, SIC Code value 2, … SIC Code value n> has been designated with a SIC Primary Indicator Code.	Only one permit SIC Code can be designated as the Primary SIC Code.	Reject entire Master General Permit transaction	Permit Identifier
MGP270	Permit NAICS Code <NAICS Code value 1, NAICS Code Value 2,… NAICS Code value n> does not exist or is inactive in the ICIS reference table.	Permit NAICS Code must be a valid (i.e., Active) code in the REF_NAICS table.	Reject entire Master General Permit transaction	Permit Identifier
MGP280	More than one permit NAICS Code <NAICS Code value 1, NAICS Code value 2, … NAICS Code value n> has been designated with a NAICS Primary Indicator Code.	Only one permit NAICS Code can be designated as the Primary NAICS Code.	Reject entire Master General Permit transaction	Permit Identifier
MGP290	Both asterisks and values were entered in the required tags SIC Code and SIC Primary Indicator Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required permit SIC tags (SIC Code and Primary SIC) to blank out all permit SIC Codes. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject entire Master General Permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
MGP300	Both asterisks and values were entered in the required permit tags NAICS Code and NAICS Primary Indicator Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required permit NAICS tags (NAICS Code and Primary NAICS) to blank out all NAICS Codes. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject entire Master General Permit transaction	Permit Identifier
MGP310	Permit SIC Code <SIC Code value> was submitted multiple times with different SIC Primary Indicator Code values.	The same permit SIC Code cannot be included multiple times with different SIC Primary Indicator Codes.	Reject entire permit transaction	Permit Identifier
MGP320	Permit NAICS Code <NAICS Code value> was submitted multiple times with different NAICS Primary Indicator Code values.	The same permit NAICS Code cannot be included multiple times with different NAICS Primary Indicator Codes.	Reject entire permit transaction	Permit Identifier
MGP330	General Permit Industrial Category must be entered for a Master General Permit.	General Permit Industrial Category must exist for a Master General Permit.	Reject entire Master General Permit transaction	Permit Identifier
MGP340	General Permit Industrial Category <General Permit Industrial Category value> does not exist or is inactive in the ICIS reference table.	General Permit Industrial Category must be a valid (i.e., Active) code in the REF_PERM_INDUSTRIAL_CAT table.	Reject entire Master General Permit transaction	Permit Identifier
MGP350	Permit Component Type Code <Permit Component Type Code value 1, Permit Component Type Code value 2,… Permit Component Type Code value n> does not exist or is inactive in the ICIS reference table.	Permit Component Type Code must be a valid (i.e., Active) code in the REF_COMPONENT_TYPE table.	Reject entire Master General Permit transaction	Permit Identifier
MGP360	A Permit Component Storm Water Medium/Large MS4s is not valid for a Master General Permit.	The Permit Component Storm Water Medium/Large MS4s is not a valid component for MGPs.	Reject entire Master General Permit transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
MGP370	The Permit Component Type Code <Permit Component Type Code value 1, Permit Component Type Code value 2,… Permit Component Type Code value n> cannot be removed from the Master General Permit because one or more linked GPCFs have the component.	A Permit Component cannot be removed from an MGP if any of the GPCFs linked to that MGP also have that component. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire Master General Permit transaction	Permit Identifier
MGP380	The Permit cannot be deleted because at least one linked GPCF exists.	The Permit cannot be deleted if it has any GPCFs linked to it. Note: This business rule is not checked for Permits where a previous version of the Permit exists.	Reject entire Master General Permit transaction	Permit Identifier
MGP390	The Permit cannot be deleted because it is the only version of the Permit and it is listed as an Associated NPDES Permit for at least one other Permit.	A Permit cannot be deleted if it is the only version of the Permit and it is listed as an Associated NPDES Permit for (the current version of) at least one other Permit. Note: This business rule is not checked for Permits where a previous version of the Permit exists.	Reject entire Master General Permit transaction	Permit Identifier
MGP400	The Permit cannot be deleted because the Permit Status = Terminated.	If the Permit Status = Terminated, the Permit cannot be deleted.	Reject entire Master General Permit transaction	Permit Identifier

9.1.6 Permit Component Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a permit component transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Permit Components. Valid Transaction Types are N (New), C (Change), R (Replace), and X (Mass Delete).	Reject entire Permit Component transaction	Permit Identifier
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Permit Component transaction	Permit Identifier
PC030	A permit does not exist for the key data entered.	The NPDES ID entered must exist in ICIS. Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the Permit Component transaction.	Permit Identifier
PC040	A <Submission Type value> Component already exists for this Permit in ICIS.	For a Permit Component transaction, the Permit Component must not already exist for the Permit in ICIS.	Reject the Permit Component transaction.	Permit Identifier
PC050	A <Submission Type value> Component does not exist for the key data entered.	The Permit Component must already exist for the Permit in ICIS.	Reject the Permit Component transaction.	Permit Identifier
PC060	The <Submission Type value> Component transaction contains key data and no other data for processing.	If the Permit Component transaction contains only key data and no other data, ICIS rejects the Permit Component transaction.	Reject the Permit Component transaction.	Permit Identifier
PC070	This General Permit Covered Facility cannot have a <Submission Type value> Component because its Associated Master General Permit does not have a <Submission Type value> Permit Component.	For a Permit Component transaction for a GPCF, the GPCF's Associated Master General Permit must have the Permit Component. Note: • This business rule is not checked for Storm Water MS4 Medium/Large Permit Component transactions. • This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BIO010	The Permit has a Permit Type Code of [NPDES Master General Permit (NGP), State Issued Master General Permit Non-NPDES (SNN), Individual IU Permit Non-NPDES (IIU), Unpermitted Facility (UFT), or Individual State Issued Permit Non-NPDES (SIN)] which is invalid for a Biosolids Permit Component transaction. Note: • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a Biosolids Permit Component transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) • Individual IU Permit (Non-NPDES) • Unpermitted Facility • Individual State Issued Permit (Non-NPDES) Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the Biosolids Permit Component transaction.	Permit Identifier
BIO020	All data cannot be blank for a Biosolids Permit Component.	All data for a Biosolids Permit Component cannot be blank. Note: A Biosolids Permit Component must have at least one data element. To remove the Biosolids Permit Component, the user must use the Mass Delete Transaction.	Reject the Biosolids Permit Component transaction.	Permit Identifier
BIO030	Biosolids Type Code <Biosolids Type Code value 1, Biosolids Type Code value 2, …Biosolids Type Code value n> does not exist or is inactive in the ICIS reference table.	Biosolids Type must be a valid (i.e., Active) code in the REF_BIOSOLID_TYPE table.	Reject the Biosolids Permit Component transaction.	Permit Identifier
BIO040	Biosolids End Use Disposal Type <Biosolids End Use Disposal Type value 1, Biosolids End Use Disposal Type value, … Biosolids End Use Disposal Type value n> does not exist or is inactive in the ICIS reference table.	Biosolids End Use Disposal Type must be a valid (i.e., Active) code in the REF_BIOSOLID_DISPOSAL_TYPE table.	Reject the Biosolids Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CAF010	The Permit has a Permit Type Code of [NPDES Master General Permit (NGP), State Issued Master General Permit Non-NPDES (SNN), Individual IU Permit Non-NPDES (IIU), Unpermitted Facility (UFT), or Associated Permit Record (APR)] which is invalid for a CAFO Permit Component transaction. Note: • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a CAFO Permit Component transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) • Individual IU Permit (Non-NPDES) • Unpermitted Facility • Associated Permit Record Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF020	All data cannot be blank for a CAFO Permit Component.	All data for a CAFO Permit Component cannot be blank. Note: A CAFO Permit Component must have at least one data element. To remove the CAFO Permit Component, the user must use the Mass Delete Transaction.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF030	CAFO Classification Code <CAFO Classification Code value> does not exist or is inactive in the ICIS reference table.	CAFO Classification must be a valid (i.e., Active) code in the REF_CAFO_CLASSIFICATION table.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF040	CAFO Designation Reason Text must be entered because the CAFO Classification Code = S.	If CAFO Classification = Small, Designation Reason must exist.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF060	Animal Type Code <Animal Type Code value 1, Animal Type Code value 2, …Animal Type Code value n> does not exist or is inactive in the ICIS reference table.	Animal Type must be a valid (i.e., Active) code in the REF_ANIMAL_TYPE table.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF070	Other Animal Type Name must be entered because Animal Type Code = OTH.	If Animal Type = Other, Animal Type Other Description must exist.	Reject the CAFO Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CAF080	Animal Type Code must = OTH because Other Animal Type Name exists.	If Animal Type Other Description exists, then Animal Type must = Other.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF090	Animal Type Code(s) <Animal Type Code value 1, Animal Type Code value 2, … Animal Type Code value n> must be entered only once for Animal Type values.	The Animal Type Code entered must be unique for Animal Type.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF100	Total Number Each Livestock must be entered for Animal Type Code(s) <Animal Type Code value 1, Animal Type Code value 2, …Animal Type Code value n> and be greater than zero.	For each Animal Type entered, Total Number must exist and be greater than zero.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF110	For Animal Type Code(s) <Animal Type Code value 1, Animal Type Code value 2, … Animal Type Code value n>, Open Confinement Count plus Housed Under Roof Confinement Count must = Total Number.	For each Animal Type entered, Open Confinement Count plus Housed Under Roof Confinement Count must = Total Number. Note: Either Open Confinement Count or Housed Under Roof Count may be blank provided Total Number = the sum of the values that were entered.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF120	Manure Litter Processed Wastewater Storage Type <Manure Litter Processed Wastewater Storage Type value 1, Manure Litter Processed Wastewater Storage Type value 2, … Manure Litter Processed Wastewater Storage Type value n> does not exist or is inactive in the ICIS reference table.	Manure, Litter, and Processed Wastewater Storage Type must be a valid (i.e., Active) code in the REF_STORAGE_TYPE table.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF130	Storage Total Capacity Measure must be entered for Manure Litter Processed Wastewater Storage Type <Manure Litter Processed Wastewater Storage Type value 1, Manure Litter Processed Wastewater Storage Type value 2, …Manure Litter Processed Wastewater Storage Type value n>.	For each Manure, Litter, and Processed Wastewater Storage Type entered, Storage Total Capacity Measure must exist.	Reject the CAFO Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CAF140	Other Storage Type Name must be entered because Manure Litter Processed Wastewater Storage Type = OTH.	If Manure, Litter, and Processed Wastewater Storage Type = Other, Manure, Litter, and Processed Wastewater Storage Type, Other Description must exist.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF150	Manure Litter Processed Wastewater Storage Type must = OTH because Other Storage Type Name exists.	If Manure, Litter, and Processed Wastewater Storage Type Other Description exists, then Manure, Litter, and Processed Wastewater Storage Type must = Other.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF160	Manure, Litter, and Processed Wastewater Storage Type(s) <Manure, Litter, and Processed Wastewater Storage Type value 1, Manure, Litter, and Processed Wastewater Storage Type value 2, … Manure, Litter, and Processed Wastewater Storage Type value n> must be entered only once for Manure, Litter, and Processed Wastewater Storage Type values.	The Manure, Litter, and Processed Wastewater Storage Type entered must be unique for Manure, Litter, and Processed Wastewater Storage Type.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF170	Containment Type Code <Containment Type Code value 1, Containment Type Code value 2, … Containment Type Code value n> does not exist or is inactive in the ICIS reference table.	Containment Type must be a valid (i.e., Active) code in the REF_CONTAINMENT_TYPE table.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF180	Other Containment Type Name must be entered because Containment Type Code = OTH.	If Containment Type = Other, Containment Type Other Description must exist.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF190	Containment Type Code must = OTH because Other Containment Type Name is entered.	If Containment Type Other Description exists, Containment Type must = Other	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF200	Containment Type Code(s) <Containment Type Code value 1, Containment Type Code value 2, … Containment Type Code value n> must be entered only once for Containment Type values.	The Containment Type Code entered must be unique for Containment Type	Reject the CAFO Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CAF210	Containment Capacity Number must be entered for Containment Type Code <Containment Type Code value 1, Containment Type Code value 2, …Containment Type Code value n>.	For each Containment Type entered, Total Capacity must exist.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF220	Land Application BMP Type Code <Land Application BMP Type Code value 1, Land Application BMP Type Code value 2, … Land Application BMP Type Code value n> does not exist or is inactive in the ICIS reference table.	Land Application BMP Type must be a valid (i.e., Active) code in the REF_BMP table.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF230	Other Land Application BMP Type Name must be entered because Land Application BMP Type Code = OTH.	If Land Application BMP Type = Other, Land Application BMP Type Other Description must exist.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF240	Land Application BMP Type Code must = OTH because Other Land Application BMP Type Name is entered.	If Land Application BMP Type Other Description exists, Land Application BMP Type must = Other.	Reject the CAFO Permit Component transaction.	Permit Identifier
CAF250	Land Application BMP Type Code(s) <Land Application BMP Type Code value 1, Land Application BMP Type Code value 2, … Land Application BMP Type Code value n> must be entered only once for Land Application BMP Type values.	The Land Application BMP Type Code entered must be unique for Land Application BMP Type.	Reject the CAFO Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CSO010	The Permit has a Permit Type Code of [NPDES Master General Permit (NGP), State Issued Master General Permit Non-NPDES (SNN), Individual IU Permit Non-NPDES (IIU), Unpermitted Facility (UFT), Individual State Issued Permit Non-NPDES (SIN), or Associated Permit Record (APR)] which is invalid for a CSO Permit Component transaction. Note: • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a CSO Permit Component transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) • Individual IU Permit (Non-NPDES) • Unpermitted Facility • Individual State Issued Permit (Non-NPDES) • Associated Permit Record Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the CSO Permit Component transaction.	Permit Identifier
CSO020	The following fields must be entered for a CSO Permit Component: (CSS Population Served Number, Collection System Combined Percent). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	CSS Population Served and Percent of Collection System Combined must exist for a CSO Permit Component in ICIS.	Reject the CSO Permit Component transaction.	Permit Identifier
CSO030	Satellite Collection System Identifier <Satellite Collection System Identifier value 1, Satellite Collection System Identifier value 2,… Satellite Collection System Identifier value n> does not exist in ICIS.	Permit ID of CSS Satellite Collection System must be a valid NPDES ID that exists in ICIS.	Reject the CSO Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CSO040	Both asterisks and values were entered in the required tags Satellite Collection System Identifier and Satellite Collection System Name. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required tags (Satellite Collection System Identifier and Satellite Collection System Name) to blank out all Satellite Collection System data. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject the CSO Permit Component transaction.	Permit Identifier
POTW010	The Permit has a Permit Type Code of [NPDES Master General Permit (NGP), State Issued Master General Permit Non-NPDES (SNN), Individual IU Permit Non-NPDES (IIU), Unpermitted Facility (UFT), or Associated Permit Record (APR)] which is invalid for a POTW Permit Component transaction. Note: • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a POTW Permit Component transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) • Individual IU Permit (Non-NPDES) • Unpermitted Facility • Associated Permit Record Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the POTW Permit Component transaction.	Permit Identifier
POTW020	A POTW Permit Component cannot be added to this permit because Major Minor Rating Code has been entered for the permit.	If Major/Minor Rating Code has been entered for the Permit, a POTW Component cannot be added. Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the POTW Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
POTW030	The following fields must be entered for a POTW Permit Component: (SSCS Population Served Number, Combined SSCS System Length). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	SSCS Population Served and Length of SSCS must exist for a POTW Permit Component in ICIS.	Reject the POTW Permit Component transaction.	Permit Identifier
POTW040	Satellite Collection System Identifier <Satellite Collection System Identifier value 1, Satellite Collection System Identifier value 2,… Satellite Collection System Identifier value n> does not exist in ICIS.	Permit ID of SSCS Satellite Collection System must be a valid NPDES ID that exists in ICIS.	Reject the POTW Permit Component transaction.	Permit Identifier
POTW050	Both asterisks and values were entered in the required tags Satellite Collection System Identifier and Satellite Collection System Name. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required tags (Satellite Collection System Identifier and Satellite Collection System Name) to blank out all Satellite Collection System data. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject the POTW Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PRE010	The Permit has a Permit Type Code of [NPDES Master General Permit (NGP), State Issued Master General Permit Non-NPDES (SNN), Individual IU Permit Non-NPDES (IIU), Unpermitted Facility (UFT), or Individual State Issued Permit Non-NPDES (SIN)] which is invalid for a Pretreatment Permit Component transaction. Note: • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a Pretreatment Permit Component transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) • Individual IU Permit (Non-NPDES) • Unpermitted Facility • Individual State Issued Permit (Non-NPDES) Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE020	Pretreatment Program Required Indicator Code must be entered for a Pretreatment Permit Component.	Pretreatment Program Required Indicator must exist for a Pretreatment Permit Component in ICIS.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE040	Pretreatment Program Approved Date must be entered because Pretreatment Program Required Indicator Code = Y (Approved).	If Pretreatment Program Required Indicator = Y (Approved), Pretreatment Program Approved Date must exist.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE050	The Pretreatment Program Required Indicator cannot = Y (Approved) because this Permit has an Associated Permit Identifier <Associated Permit Identifier value 1, Associated Permit Identifier value 2, … Associated Permit Identifier value n> with Associated Permit Reason Code = APP (Associated Pretreatment Program) and a Pretreatment Program Required Indicator Code not = C (Covered).	The Pretreatment Program Required Indicator cannot = Y (Approved) if any Permit IDs entered in the Permit Basic Information Associated NPDES Permits section with Associated NPDES Permit Reason = APP (Associated Pretreatment Program) and Pretreatment Program Required Indicator is not = C (Covered).	Reject the Pretreatment Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PRE060	Pretreatment Program Required Indicator Code must = Y (Approved) because this Permit is the Control Authority for Permit <Permit Identifier value>.	The Pretreatment Program Required Indicator cannot be changed from Y (Approved) if the NPDES ID for this Pretreatment Component is listed as the Control Authority NPDES ID for another Permit. Note: This business rule is not checked for Replace transactions where the Permit Component does not exist.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE070	Control Authority NPDES Identifier must be entered because Pretreatment Program Required Indicator Code = C (Covered).	If Pretreatment Program Required Indicator = C (Covered), Control Authority NPDES ID must exist.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE080	The Pretreatment Program Required Indicator cannot be changed from C (Covered) because this Permit is listed as an Associated Permit Identifier with Associated Permit Reason Code = APP (Associated Pretreatment Program) for another Permit <Permit Identifier value>.	The Pretreatment Program Required Indicator cannot be changed from C (Covered) if this Permit is listed in another Permit as an Associated NPDES ID with Associated NPDES Permit Reason = APP (Associated Pretreatment Program). Note: This business rule is not checked for Replace transactions where the Permit Component does not exist.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE090	Control Authority State Agency Code must be entered because Pretreatment Program Required Indicator Code = S (State).	If Pretreatment Program Required Indicator = S (State), Control Authority State Agency must exist.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE100	Control Authority Regional Agency Code must be entered because Pretreatment Program Required Indicator Code = E (EPA).	If Pretreatment Program Required Indicator = E (EPA), Control Authority Regional Agency must exist.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE110	Control Authority NPDES Identifier can only be entered if Pretreatment Program Required Indicator Code = C (Covered).	The Control Authority NPDES ID can only be entered if Pretreatment Program Required Indicator = C (Covered).	Reject the Pretreatment Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PRE120	The Control Authority NPDES Identifier <Control Authority NPDES Identifier value> does not exist in ICIS.	The NPDES ID entered in Control Authority NPDES ID must exist in ICIS.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE130	The Control Authority NPDES Identifier <Control Authority NPDES Identifier value> entered is not valid because that permit does not have a Pretreatment Program Required Indicator Code = Y (Approved).	The Permit identified by the Control Authority NPDES ID must have Pretreatment Program Required Indicator = Y (Approved).	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE140	Control Authority State Agency Code <Control Authority State Agency Code value> does not exist or is inactive in the ICIS reference table.	Control Authority State Agency entered must be a valid (i.e., Active) code in the REF_STATE table.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE150	Control Authority Regional Agency Code <Control Authority Regional Agency Code value> does not exist or is inactive in the ICIS reference table.	Control Authority Regional Agency entered must be a valid (i.e., Active) code in the REF_REGION table.	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE160	The Pretreatment Permit Component with the Pretreatment Program Required Indicator = C (Covered) cannot be deleted because this Permit is listed for another Permit <Permit Identifier value> as an Associated Permit Identifier with Associated Permit Reason Code = APP (Associated Pretreatment Program) and the Pretreatment Program Required Indicator = Y (Approved) for the other Permit.	A Pretreatment Permit Component with a Pretreatment Program Required Indicator = C (Covered) cannot be deleted if this Permit is listed in another Permit as an Associated NPDES Permit with Associated NPDES Permit Reason = APP (Associated Pretreatment Program) and the other Permit's Pretreatment Program Required Indicator = Y (Approved).	Reject the Pretreatment Permit Component transaction.	Permit Identifier
PRE170	The Pretreatment Permit Component with the Pretreatment Program Required Indicator = Y (Approved) cannot be deleted because this Permit is listed as the Control Authority NPDES Identifier for Permit <Permit Identifier value 1, Permit Identifier value 2, … Permit Identifier value n>.	A Pretreatment Permit Component with a Pretreatment Program Required Indicator = Y (Approved) cannot be deleted if this Permit is listed as the Control Authority NPDES ID for another Permit.	Reject the Pretreatment Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PRE180	The Pretreatment Permit Component cannot be deleted because this Permit is listed as the Receiving Permit Identifier (POTW) for the IU Permit <Permit Identifier value>.	The Pretreatment Permit Component cannot be deleted if the Permit identified by the NPDES ID is listed as the Receiving POTW ID for an Individual IU Permit (Non-NPDES).	Reject the Pretreatment Permit Component transaction.	Permit Identifier
SWC010	The Permit has a Permit Type Code of [NPDES Master General Permit (NGP), State Issued Master General Permit Non-NPDES (SNN), Individual IU Permit Non-NPDES (IIU), Unpermitted Facility (UFT), Individual State Issued Permit Non-NPDES (SIN), or Associated Permit Record (APR)] which is invalid for a Storm Water Construction Permit Component transaction. Note: • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a Storm Water Construction Permit Component transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) • Individual IU Permit (Non-NPDES) • Unpermitted Facility • Individual State Issued Permit (Non-NPDES) • Associated Permit Record Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the Storm Water Construction Permit Component transaction.	Permit Identifier
SWC020	All data cannot be blank for a Storm Water Construction Permit Component.	All data for a Storm Water Construction Permit Component cannot be blank. Note: A Storm Water Construction Permit Component must have at least one data element. To remove the component, the user must use the Mass Delete Transaction.	Reject the Storm Water Construction Permit Component transaction.	Permit Identifier
SWC030	Species Criterion Met Code must be entered because the Species Critical Habitat Indicator = Y.	If Species/Critical Habitat = Yes, Species Criterion Met must exist.	Reject the Storm Water Construction Permit Component transaction.	Permit Identifier
SWC040	Historic Property Criterion Met Code must be entered because the Historic Property Indicator = Y.	If Historic Property = Yes, Historic Property Criterion Met must exist.	Reject the Storm Water Construction Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SWC050	Species Criterion Met Code <Species Criterion Met Code value> does not exist or is inactive in the ICIS reference table.	Species Criterion Met must be a valid (i.e., Active) code in the REF_SPECIES_CRITERION table.	Reject the Storm Water Construction Permit Component transaction.	Permit Identifier
SWC060	Historic Property Criterion Met Code <Historic Property Criterion Met Code value> does not exist or is inactive in the ICIS reference table.	Historic Property Criterion Met Code must be a valid (i.e., Active) code in the REF_HISTORIC_CRITERION table.	Reject the Storm Water Construction Permit Component transaction.	Permit Identifier
SWC070	Project Type Code <Project Type Code value> does not exist or is inactive in the ICIS reference table.	Project Type must be a valid (i.e., Active) code in the REF_PROJECT_TYPE table.	Reject the Storm Water Construction Permit Component transaction.	Permit Identifier
SWC080	Project Plan Size Code <Project Plan Size Code value> does not exist or is inactive in the ICIS reference table.	Entire Project Size must be a valid (i.e., Active) code in the REF_PROJECT_PLAN_SIZE table.	Reject the Storm Water Construction Permit Component transaction.	Permit Identifier
SWC090	The following data cannot be entered because the Permit is not a General Permit Covered Facility: (NOI Signature Date, NOI Postmark Date, NOI Received Date, Complete NOI Received Date, NOT Termination Date, NOT Signature Date, NOT Postmark Date, NOT Received Date). Note: • In the message above, all XML tags that may have this error are listed in parentheses only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The following data may only be entered for the Storm Water Construction Permit Component if the Permit Type is General Permit Covered Facility: - NOI Signature Date - NOI Postmark Date - NOI Received Date - Complete NOI Received Date - NOT Termination Date - NOT Signature Date - NOT Postmark Date - NOT Received Date	Reject the Storm Water Construction Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SWP010	The Permit has a Permit Type Code of [NPDES Master General Permit (NGP), State Issued Master General Permit Non-NPDES (SNN), Individual IU Permit Non-NPDES (IIU), Unpermitted Facility (UFT), Individual State Issued Permit Non-NPDES (SIN), or Associated Permit Record (APR)] which is invalid for a Storm Water Industrial Permit Component transaction. Note: • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a Storm Water Industrial Permit Component transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) • Individual IU Permit (Non-NPDES) • Unpermitted Facility • Individual State Issued Permit (Non-NPDES) • Associated Permit Record Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the Storm Water Industrial Permit Component transaction.	Permit Identifier
SWP020	All data cannot be blank for a Storm Water Industrial Permit Component.	All data for a Storm Water Industrial Permit Component cannot be blank. Note: A Storm Water Industrial Permit Component must have at least one data element. To remove the Storm Water Industrial Permit Component, the user must use the Mass Delete Transaction.	Reject the Storm Water Industrial Permit Component transaction.	Permit Identifier
SWP030	Species Criterion Met Code must be entered because the Species Critical Habitat Indicator = Y.	If Species/Critical Habitat = Yes, Species Criterion Met must exist.	Reject the Storm Water Industrial Permit Component transaction.	Permit Identifier
SWP040	Historic Property Criterion Met Code must be entered because the Historic Property Indicator = Y.	If Historic Property = Yes, Historic Property Criterion Met must exist.	Reject the Storm Water Industrial Permit Component transaction.	Permit Identifier
SWP050	Species Criterion Met Code <Species Criterion Met Code value> does not exist or is inactive in the ICIS reference table.	Species Criterion Met must be a valid (i.e., Active) code in the REF_SPECIES_CRITERION table.	Reject the Storm Water Industrial Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SWP060	Historic Property Criterion Met Code <Historic Property Criterion Met Code value> does not exist or is inactive in the ICIS reference table.	Historic Property Criterion Met must be a valid (i.e., Active) code in the REF_HISTORIC_CRITERION table.	Reject the Storm Water Industrial Permit Component transaction.	Permit Identifier
SWP070	The following data cannot be entered because the Permit is not a General Permit Covered Facility: (NOI Signature Date, NOI Postmark Date, NOI Received Date, Complete NOI Received Date, NOT Termination Date, NOT Signature Date, NOT Postmark Date, NOT Received Date, No Exposure Authorization Date, No Exposure Postmark Date, No Exposure Criterion Met Indicator, No Exposure Evaluation Date, No Exposure Evaluation Basis Code, Paved Roof Size, Industrial Activity Size, Contact with Affiliation Type Text = SWX). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The following data may only be entered for the Storm Water Industrial Permit Component if the Permit Type is General Permit Covered Facility: - NOI Signature Date - NOI Postmark Date - NOI Received Date - Complete NOI Received Date - NOT Termination Date - NOT Signature Date - NOT Postmark Date - NOT Received Date - No Exposure Authorization Date - No Exposure Postmark Date - No Exposure Criteria Met - No Exposure Evaluation Date - No Exposure Evaluation Basis - Paved Roofed Size (acres/sq ft) - Industrial Activity Size (Acres/sq ft) - No Exposure Authorized Representative Contact (i.e., a contact with Affiliation Type Code of SWX in the REF_AFFILIATION_TYPE table).	Reject the Storm Water Industrial Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SWP080	The following data cannot be entered because No Exposure Authorization Date does not exist: (No Exposure Postmark Date, No Exposure Criterion Met Indicator, No Exposure Evaluation Date, No Exposure Evaluation Basis Code, Paved Roof Size, Industrial Activity Size, and Contact with Affiliation Type Text = SWX). Note: • In the message above, all XML tags that may have this error are listed in parentheses, only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	If any of the following data are entered, then No Exposure Authorization Date must exist: - No Exposure Postmark Date - No Exposure Criteria Met - No Exposure Evaluation Date - No Exposure Evaluation Basis - Paved Roofed Size(acres/sq ft) - Industrial Activity Size(Acres/sq ft) - No Exposure Authorized Representative Contact (i.e., a contact with Affiliation Type Code of SWX in the REF_AFFILIATION_TYPE table).	Reject the Storm Water Industrial Permit Component transaction.	Permit Identifier
SWP090	No Exposure Evaluation Basis Code <No Exposure Evaluation Basis Code value> does not exist or is inactive in the ICIS reference table.	No Exposure Evaluation Basis must be a valid (i.e., Active) code in the REF_NO_EXPO_EVAL_BASIS table.	Reject the Storm Water Industrial Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SWL010	The Permit has a Permit Type Code of [NPDES Master General Permit (NGP), State Issued Master General Permit Non-NPDES (SNN), General Permit Covered Facility (GPC), Individual IU Permit Non-NPDES (IIU), Unpermitted Facility (UFT), Individual State Issued Permit Non-NPDES (SIN), or Associated Permit Record (APR)] which is invalid for a Storm Water MS4 Medium/Large Permit Component transaction. Note: • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a Storm Water MS4 Medium/Large Permit Component transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) • General Permit Covered Facility • Individual IU Permit (Non-NPDES) • Unpermitted Facility • Individual State Issued Permit (Non-NPDES) • Associated Permit Record Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier
SWL020	All data cannot be blank for a Storm Water MS4 Medium/Large Permit Component.	All data for a Storm Water MS4 Medium/Large Permit Component cannot be blank. Note: A Storm Water MS4 Medium/Large Permit Component must have at least one data element. To remove the Storm Water MS4 Medium/Large Permit Component, the user must use the Mass Delete Transaction.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier
SWL030	Species Criterion Met Code must be entered because the Species Critical Habitat Indicator = Y.	If Species/Critical Habitat = Yes, Species Criterion Met must exist.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier
SWL040	Species Criterion Met Code <Species Criterion Met Code value> does not exist or is inactive in the ICIS reference table.	Species Criterion Met must be a valid (i.e., Active) code in the REF_SPECIES_CRITERION table.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SWL050	Historic Property Criterion Met Code must be entered because the Historic Property Indicator = Y.	If Historic Property = Yes, Historic Property Criterion Met must exist.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier
SWL060	Historic Property Criterion Met Code <Historic Property Criterion Met Code value> does not exist or is inactive in the ICIS reference table.	Historic Property Criterion Met must be a valid (i.e., Active) code in the REF_HISTORIC_CRITERION table.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier
SWL070	Legal Entity Type Code <Legal Entity Type Code value> does not exist or is inactive in the ICIS reference table.	Legal Entity Type must be a valid (i.e., Active) code in the REF_LEGAL_ENTITY table.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier
SWL080	MS4 Permit Class Code <MS4 Permit Class Code value> does not exist or is inactive in the ICIS reference table.	MS4 Permit Class must be a valid (i.e., Active) code in the REF_MS4_PERM_CLASS table.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier
SWL090	MS4 Type Code <MS4 Type Code value> does not exist or is inactive in the ICIS reference table.	MS4 Type must be a valid (i.e., Active) code in the REF_MS4_TYPE table.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier
SWL100	Project Sources of Funding Code <Project Sources of Funding Code value> does not exist or is inactive in the ICIS reference table.	Project Source(s) of Funding must be a valid (i.e., Active) code in the REF_SOURCE_FUNDING table.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier
SWL110	Major Outfall Estimated Measure Indicator must be entered because the Major Outfall Number is greater than 0.	If Number of Major MS4 Outfalls > 0, Major Outfalls Estimated/Measured must exist.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SWL120	Minor Outfall Estimated Measure Indicator must be entered because the Minor Outfall Number is greater than 0.	If Number of Minor MS4 Outfalls > 0, Minor Outfalls Estimated/Measured must exist.	Reject the Storm Water MS4 Medium/Large Permit Component transaction.	Permit Identifier
SWS010	The Permit has a Permit Type Code of [NPDES Master General Permit (NGP), State Issued Master General Permit Non-NPDES (SNN), Individual IU Permit Non-NPDES (IIU), Unpermitted Facility (UFT), Individual State Issued Permit Non-NPDES (SIN), or Associated Permit Record (APR)] which is invalid for a Storm Water MS4 Small Permit Component transaction. Note: • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a Storm Water MS4 Small Permit Component transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) • Individual IU Permit (Non-NPDES) • Unpermitted Facility • Individual State Issued Permit (Non-NPDES) • Associated Permit Record Note: This business rule is not checked for Replace transactions where the Permit Component exists in ICIS.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS020	All data cannot be blank for a Storm Water MS4 Small Permit Component.	All data for a Storm Water MS4 Small Permit Component cannot be blank. Note: A Storm Water MS4 Small Permit Component must have at least one data element. To remove the Storm Water MS4 Small Permit Component, the user must use the Mass Delete Transaction.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS030	Species Criterion Met Code must be entered because the Species Critical Habitat Indicator = Y.	If Species/Critical Habitat = Yes, Species Criterion Met must exist.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS040	Species Criterion Met Code <Species Criterion Met Code value> does not exist or is inactive in the ICIS reference table.	Species Criterion Met must be a valid (i.e., Active) code in the REF_SPECIES_CRITERION table.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SWS050	Historic Property Criterion Met Code must be entered because the Historic Property Indicator = Y.	If Historic Property = Yes, Historic Property Criterion Met must exist.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS060	Historic Property Criterion Met Code <Historic Property Criterion Met Code value> does not exist or is inactive in the ICIS reference table.	Historic Property Criterion Met must be a valid (i.e., Active) code in the REF_HISTORIC_CRITERION table.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS070	Legal Entity Type Code <Legal Entity Type Code value> does not exist or is inactive in the ICIS reference table.	Legal Entity Type must be a valid (i.e., Active) code in the REF_LEGAL_ENTITY table.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS080	MS4 Permit Class Code <MS4 Permit Class Code value> does not exist or is inactive in the ICIS reference table.	MS4 Permit Class must be a valid (i.e., Active) code in the REF_MS4_PERM_CLASS table.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS090	MS4 Type Code <MS4 Type Code value> does not exist or is inactive in the ICIS reference table.	MS4 Type must be a valid (i.e., Active) code in the REF_MS4_TYPE table.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS100	Project Source of Funding Code <Project Source of Funding Code value> does not exist or is inactive in the ICIS reference table.	Project Source(s) of Funding must be a valid (i.e., Active) code in the REF_SOURCE_FUNDING table.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS110	Major Outfall Estimated Measure Indicator must be entered because the Major Outfall Number is greater than 0.	If Number of Major MS4 Outfalls > 0, Major Outfalls Estimated/Measured must exist.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS120	Minor Outfall Estimated Measure Indicator Code must be entered because the Minor Outfall Number is greater than 0.	If Number of Minor MS4 Outfalls > 0, Minor Outfalls Estimated/Measured must exist.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SWS130	The following data cannot be entered because the Permit is not a General Permit Covered Facility: (Storm Water Contact, Storm Water Contact Address, Construction Waiver Postmark Date, Construction Waiver Authorization Date, Construction Waiver Criteria Met Indicator, Construction Waiver Evaluation Basis Code, Construction Waiver Evaluation Date, Project Isoerodent Value, Estimated Start Date, Estimated Completed Date, Contact with Affiliation Type Text = SWC). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic	The following data may only be entered if the Permit is a General Permit Covered Facility: - Storm Water Contacts - Storm Water Addresses - Construction Waiver Postmark Date - Construction Waiver Authorization Date - Construction Waiver Evaluation Basis - Construction Waiver Criteria Met - Construction Waiver Evaluation Date - Project Isoerodent Value - Estimated Start Date - Estimated Complete Date - Construction Waiver Authorized Representative Contact (i.e., a contact with Affiliation Type of SWC in the REF_AFFILIATION_TYPE table).	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier
SWS140	Construction Waiver Evaluation Basis Code <Construction Waiver Evaluation Basis Code value> does not exist or is inactive in the ICIS reference table.	Construction Waiver Evaluation Basis must be a valid (i.e., Active) code in the REF_CONST_WAVER_EVAL_BASIS table.	Reject the Storm Water MS4 Small Permit Component transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA005	Affiliation Type must have an App_Module_Code of <App_Module_Code listed in the bullets below, by Submission Type> in the XREF_AFFILIATION_MODULE table. • Basic Permit – PMC, FAC • Biosolids Permit – BIO • CAFO Permit – CAF • Compliance Monitoring – IPN • General Permit – PMC, FAC • Master General Permit – PMC • Permitted Feature – PMF • Pretreatment Permit – PRE • SW Construction Permit – SMC • SW Event Report – PGR • SW Industrial Permit – SMC • SW MS4 Large Permit – SMC • SW MS4 Program Report – PGR • SW MS4 Small Permit – SMC • Unpermitted Facility - FAC Note: Basic Permit and General Permit have both Permit Contacts and Addresses and Facility Contacts and Addresses. The Affiliation Type for Permit Contacts and Addresses must have an App_Module_Code of PMC and the Affiliation Type for Facility Contacts and Addresses must have an App_Module_Code of FAC.	The Affiliation Type Text <Affiliation Type Text value 1, Affiliation Type Text value 2,…Affiliation Type Text value n> is not valid for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA010	Affiliation Type must be a valid (i.e., Active) code with an Affiliation_Category of Non-Government in the REF_AFFILIATION_TYPE table.	Affiliation Type Text <Affiliation Type Text value> does not have an Affiliation_Category of Non-Government, or does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA020	Asterisks must be entered in all required tags to blank out all Contacts and Addresses. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected. Required tags for Contact are Affiliation Type, First Name, Last Name, and Individual Title. Required tags for Address are Affiliation Type, Organization Formal Name, Street Address, City, State, and Zip Code.	For one or more <Submission Type value> Contacts or Addresses, both asterisks and values were entered in the required tags. The required tags must contain either all asterisks or all values.	Reject entire transaction	PermitIdentifier
CA040	State must be a valid (i.e., Active) code in the REF_STATE table.	State Code <State Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA050	State must be a state where the Usage_Indicator = A or B in the REF_STATE table	State Code <State Code value> is not valid for a <Submission Type value> Contact.	Reject entire transaction	PermitIdentifier
CA060	Region must be a valid (i.e., Active) code in the REF_REGION table.	Region Code <Region Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA070	There cannot be duplicate Contacts associated with the same Affiliation Type for the same record.	The <Submission Type value> Contact <Affiliation Type Text value, First Name value, Last Name value, Individual Title Text value> already exists.	Reject entire transaction	PermitIdentifier
CA080	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • CEL • FAX • PGE	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of Contact Phone Number for a <Submission Type value>. The valid types are OFF, CEL, FAX, and PGE.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA085	For each unique Contact, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 CEL, only 1 FAX, and only 1 PGE).	The following Telephone Number Type Code(s) cannot be entered more than once for the <Submission Type value> Contact <Affiliation Type Text value, First Name value, Last Name value, Individual Title Text value>: <Telephone Number Type Code value 1>, <Telephone Number Type Code value 2>, … <Telephone Number Type Code value n>.	Reject entire transaction	PermitIdentifier
CA090	Telephone Number Extension can only be entered for Telephone Number of Type OFF. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Warning: Telephone Extension Number is not a valid tag for <Submission Type value> Contact Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved.	N/A	PermitIdentifier
CA110	State must be a valid (i.e., Active) code in the REF_STATE table.	Mailing Address State Code <Mailing Address State Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA120	Country must be a valid (i.e., Active) code in the REF_COUNTRY table.	Mailing Address Country Code <Mailing Address Country Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA130	There cannot be duplicate Addresses associated with the same Affiliation Type for the same record.	The <Submission Type value> Address <Affiliation Type Text value, Organization Formal Name value, Mailing Address Text value, Mailing Address City Name value, Mailing Address State value, and Mailing Address ZIP Code value> already exists.	Reject entire transaction	PermitIdentifier
CA140	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • ALT • FAX	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of <Submission Type value> Address Phone Number. The valid types are OFF, ALT, and FAX.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA150	For each unique Address, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 ALT, and only 1 FAX).	The following Telephone Number Type Code(s) cannot be entered more than once for the <Submission Type value> Contact Address <Affiliation Type Text value, Organization Formal Name value, Mailing Address Text value, Mailing Address City Name value, Mailing Address State value, and Mailing Address ZIP Code value>: <Telephone Number Type Code value 1>, <Telephone Number Type Code value 2>, … <Telephone Number Type Code value n>.	Reject entire transaction	PermitIdentifier
CA160	Telephone Number Extension can only be entered for Telephone Number of Type OFF and ALT. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Warning: Telephone Extension Number is not a valid tag for <Submission Type value> Address Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved.	N/A	PermitIdentifier

9.1.7 Unpermitted Facility Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process an unpermitted facility transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Unpermitted Facilities. Valid Transaction Types are N (New), C (Change), X (Mass Delete), and R (Replace).	Reject entire Unpermitted Facility transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Unpermitted Facility transaction	Permit Identifier
UPF030	The Unpermitted Facility transaction contains key data and no other data for processing.	If the Unpermitted Facility contains key data and no other data, ICIS rejects the Unpermitted Facility transaction.	Reject entire Unpermitted Facility transaction	Permit Identifier
UPF040	The Unpermitted Facility's Facility has an associated Activity or Single Event Violation and cannot be deleted.	A Mass Delete transaction is not valid if the Unpermitted Facility has any associated Activities or Single Event Violations. Note: This includes Activities and Single Event Violations that are linked to the either the Unpermitted Facility or its Facility Interest.	Reject entire Unpermitted Facility transaction	Permit Identifier
FAC060	(Facility Site Name <Facility Site Name value>, Address <Location Address Text value>, City <Locality Name value>, State <Location State Code value>, Zip Code <Location Zip Code value>) must exist in ICIS. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The following Facility Location data must exist in ICIS: • Facility Site Name • Address • City • State • Zip Code	Reject entire Unpermitted Facility transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
UPF060	A Permit matching the key data provided already exists in ICIS.	Permit identified by the NPDES ID cannot already exist in the ICIS system.	Reject entire Unpermitted Facility transaction	Permit Identifier
UPF070	Permit Identifier <Permit Identifier value> is not a valid format.	NPDES ID must follow the following format: Positions 1 and 2 must be a valid State or Tribe (i.e., in the REF_STATE table, usage indicator is N or B) or a Valid Region (i.e., 01-10). Positions 3–9 must be alphanumeric and must be a unique combination within a common value for positions 1–2 (i.e., must be unique within State, Tribe, Region, or HQ except for multiple versions of the same permit). Note: This business rule is not checked for Replace transactions where the Permit exists in ICIS.	Reject entire Unpermitted Facility transaction	Permit Identifier
UPF080	A permit does not exist for the key data entered.	NPDES ID submitted must exist in ICIS.	Reject entire Unpermitted Facility transaction	Permit Identifier
UPF090	The Permit Identifier <Permit Identifier value> does not have a valid Permit Type Code for the Unpermitted Facility Data Payload.	Permit Type of the existing NPDES ID must be Unpermitted Facility. Note: This business rule is not checked for Replace transactions where the Permit does not exist in ICIS.	Reject entire Unpermitted Facility transaction	Permit Identifier
FAC050	Location State Code <Location State Code value> does not exist or is inactive in the ICIS reference table.	State must be a valid (i.e., Active) code in the REF_STATE table.	Reject entire Unpermitted Facility transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FAC070	Location Country Code <Location Country Code value> does not exist or is inactive in the ICIS reference table.	Country must be a valid (i.e., Active) code in the REF_COUNTRY table.	Reject entire Unpermitted Facility transaction	Permit Identifier
FAC200	State Facility Identifier <State Facility Identifier value> already exists for a Facility in this state.	State Facility Identifier must be unique within each state based on the Facility's Location Address.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC210	Facility Classification <Facility Classification value 1, Facility Classification value 2, … Facility Classification value n> does not exist or is inactive in the ICIS reference table.	Classification must be a valid (i.e., Active) code in the REF_CLASSIFICATION table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC220	The Policy Code <Policy Code value 1, Policy Code value 2,… Policy Code value n> does not exist or is inactive in the ICIS reference table.	Policy must be a valid (i.e., Active) code in the REF_POLICY table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC240	The Originating Programs Code <Originating Programs Code value 1, Originating Programs Code value 2, Originating Programs Code value n> does not exist or is inactive in the ICIS reference table.	Originating Program must be a valid (i.e., Active) code in the REF_PROGRAM table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC250	Facility Type of Ownership Code <Facility Type of Ownership Code value> does not exist or is inactive in the ICIS reference table.	Facility Type of Ownership must be a valid (i.e., Active) code in the REF_FACILITY_TYPE table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC230	The Federal Agency Code <Federal Agency Code value> does not exist or is inactive in the ICIS reference table.	Federal Agency must be a valid (i.e., Active) code in the REF_FEDERAL_AGENCY table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC180	Facility Environmental Justice Code <Facility Environmental Justice Code value> does not exist or is inactive in the ICIS reference table.	Environmental Justice must be a valid (i.e., Active) code in the REF_ENVIRONMENTAL_JUSTICE table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FAC190	Tribal Land Code <Tribal Land Code value> does not exist or is inactive in the ICIS reference table.	Tribal Land must be a valid (i.e., Active) code in the REF_TRIBAL_LAND table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC320	1) Construction Project Latitude Measure must be entered because Construction Project Longitude Measure has been entered. 2) Construction Project Longitude Measure must be entered because Construction Latitude Measure has been entered.	Construction Latitude must be entered if Construction Longitude is entered and vice versa. Note: When submitting a record, Construction Latitude must be submitted with any of these data tags, and vice versa; however, when updating an existing record if Construction Latitude already exists in ICIS it does not need to be resubmitted, and vice versa.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC080	Facility SIC Code <SIC Code value 1, SIC Code value 2, … SIC Code Value n> does not exist or is inactive in the ICIS reference table.	Facility SIC Code must be a valid (i.e., Active) code in the REF_SIC table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC090	Facility NAICS Code <NAICS Code value 1, NAICS Code value 2, … NAICS Code value n> does not exist or is inactive in the ICIS reference table.	Facility NAICS Code must be a valid (i.e., Active) code in the REF_NAICS table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC100	More than one facility SIC Code <SIC Code value 1, SIC Code value 2, … SIC Code value n> has been designated with a SIC Primary Indicator Code.	Only one facility SIC Code can be designated as the Primary SIC Code.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC110	More than one facility NAICS Code <NAICS Code value 1, NAICS Code value 2, … NAICS Code value n> has been designated with a NAICS Primary Indicator Code.	Only one facility NAICS Code can be designated as the Primary NAICS Code.	Reject the entire Unpermitted Facility transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FAC120	Both asterisks and values were entered in the required facility tags SIC Code and SIC Primary Indicator Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required facility SIC Code Details tags (SIC Code and SIC Primary Indicator Code) to blank out all facility SIC Codes. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC130	Both asterisks and values were entered in the required facility tags NAICS Code and NAICS Primary Indicator Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required facility NAICS Code Details tags (NAICS Code and NAICS Primary Indicator Code) to blank out all facility NAICS Codes. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC140	Facility SIC Code <SIC Code value> was submitted multiple times with different SIC Primary Indicator Code values.	The same facility SIC Code cannot be included multiple times with different SIC Primary Indicator Codes.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC150	Facility NAICS Code <NAICS Code value> was submitted multiple times with different NAICS Primary Indicator Code values.	The same facility NAICS Code cannot be included multiple times with different NAICS Primary Indicator Codes.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC260	1) Latitude Measure must be entered because Longitude Measure has been entered. 2) Longitude Measure must be entered because Latitude Measure has been entered.	Latitude must be entered if Longitude is entered and vice versa. Note: When submitting a record, Latitude must be submitted if Longitude is entered, and vice versa; however, when updating an existing record if Latitude already exists in ICIS it does not need to be resubmitted, and vice versa with Longitude.	Reject the entire Unpermitted Facility transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FAC270	The following data cannot be entered because Facility Latitude and Facility Longitude were not entered: (Horizontal Accuracy Measure, Horizontal Collection Method Code, Horizontal Reference Datum Code, Reference Point Code). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The following data may only be entered if Facility Latitude and Facility Longitude are entered: • Horizontal Accuracy Measure • Horizontal Collection Method • Horizontal Reference Datum • Reference Point. Note: When submitting a record, Lat/Long must be submitted with any of these data tags, however, when updating an existing record if Lat/Long already exists in ICIS it does not need to be resubmitted.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC330	Latitude Measure <Latitude Measure value> must be greater than or equal to -90 and less than or equal to 90.	Latitude must be greater than or equal to -90 and less than or equal to 90.	Reject entire Permitted Feature transaction	Permit Identifier
FAC340	Longitude Measure <Longitude Measure value> must be greater than or equal to -180 and less than or equal to 180.	Longitude must be greater than or equal to -180 and less than or equal to 180.	Reject entire Permitted Feature transaction	Permit Identifier
FAC350	Construction Project Latitude Measure <Construction Project Latitude Measure value> must be greater than or equal to -90 and less than or equal to 90.	Construction Project Latitude must be greater than or equal to -90 and less than or equal to 90.	Reject entire Permitted Feature transaction	Permit Identifier
FAC360	Construction Project Longitude Measure <Construction Project Longitude Measure value> must be greater than or equal to -180 and less than or equal to 180.	Construction Project Longitude must be greater than or equal to -180 and less than or equal to 180.	Reject entire Permitted Feature transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FAC280	Geometric Type Code <Geometric Type Code value> does not exist or is inactive in the ICIS reference table.	Geometric Type must be a valid (i.e., Active) code in the REF_GEOMETRIC_TYPE table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC290	Horizontal Collection Method Code <Horizontal Collection Method Code value> does not exist or is inactive in the ICIS reference table.	Horizontal Collection Method must be a valid (i.e., Active) code in the REF_HORIZONTAL_COLLECT_METHOD table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC300	Horizontal Reference Datum Code <Horizontal Reference Code value> does not exist or is inactive in the ICIS reference table.	Horizontal Reference Datum must be a valid (i.e., Active) code in the REF_HORIZONTAL_REF_DATUM table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier
FAC310	The Reference Point Code <Reference Point Code value> does not exist or is inactive in the ICIS reference table.	Reference Point must be a valid (i.e., Active) code in the REF_REFERENCE_POINT table.	Reject the entire Unpermitted Facility transaction.	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA005	Affiliation Type must have an App_Module_Code of <App_Module_Code listed in the bullets below, by Submission Type> in the XREF_AFFILIATION_MODULE table. • Basic Permit – PMC, FAC • Biosolids Permit – BIO • CAFO Permit – CAF • Compliance Monitoring – IPN • General Permit – PMC, FAC • Master General Permit – PMC • Permitted Feature – PMF • Pretreatment Permit – PRE • SW Construction Permit – SMC • SW Event Report – PGR • SW Industrial Permit – SMC • SW MS4 Large Permit – SMC • SW MS4 Program Report – PGR • SW MS4 Small Permit – SMC • Unpermitted Facility - FAC Note: Basic Permit and General Permit have both Permit Contacts and Addresses and Facility Contacts and Addresses. The Affiliation Type for Permit Contacts and Addresses must have an App_Module_Code of PMC and the Affiliation Type for Facility Contacts and Addresses must have an App_Module_Code of FAC.	The Affiliation Type Text <Affiliation Type Text value 1, Affiliation Type Text value 2,…Affiliation Type Text value n> is not valid for a <Submission Type value>.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA010	Affiliation Type must be a valid (i.e., Active) code with an Affiliation_Category of Non-Government in the REF_AFFILIATION_TYPE table.	Affiliation Type Text <Affiliation Type Text value> does not have an Affiliation_Category of Non-Government, or does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA020	Asterisks must be entered in all required tags to blank out all Contacts and Addresses. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected. Required tags for Contact are Affiliation Type, First Name, Last Name, and Individual Title. Required tags for Address are Affiliation Type, Organization Formal Name, Street Address, City, State, and Zip Code.	For one or more <Submission Type value> Contacts or Addresses, both asterisks and values were entered in the required tags. The required tags must contain either all asterisks or all values.	Reject entire transaction	PermitIdentifier
CA040	State must be a valid (i.e., Active) code in the REF_STATE table.	State Code <State Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA050	State must be a state where the Usage_Indicator = A or B in the REF_STATE table	State Code <State Code value> is not valid for a <Submission Type value> Contact.	Reject entire transaction	PermitIdentifier
CA060	Region must be a valid (i.e., Active) code in the REF_REGION table.	Region Code <Region Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA070	There cannot be duplicate Contacts associated with the same Affiliation Type for the same record.	The <Submission Type value> Contact <Affiliation Type Text value, First Name value, Last Name value, Individual Title Text value> already exists.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA080	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • CEL • FAX • PGE	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of Contact Phone Number for a <Submission Type value>. The valid types are OFF, CEL, FAX, and PGE.	Reject entire transaction	PermitIdentifier
CA085	For each unique Contact, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 CEL, only 1 FAX, and only 1 PGE).	The following Telephone Number Type Code(s) cannot be entered more than once for the <Submission Type value> Contact <Affiliation Type Text value, First Name value, Last Name value, Individual Title Text value>: <Telephone Number Type Code value 1>, <Telephone Number Type Code value 2>, … <Telephone Number Type Code value n>.	Reject entire transaction	PermitIdentifier
CA090	Telephone Number Extension can only be entered for Telephone Number of Type OFF. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Warning: Telephone Extension Number is not a valid tag for <Submission Type value> Contact Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved.	N/A	PermitIdentifier
CA110	State must be a valid (i.e., Active) code in the REF_STATE table.	Mailing Address State Code <Mailing Address State Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier
CA120	Country must be a valid (i.e., Active) code in the REF_COUNTRY table.	Mailing Address Country Code <Mailing Address Country Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	PermitIdentifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA130	There cannot be duplicate Addresses associated with the same Affiliation Type for the same record.	The <Submission Type value> Address <Affiliation Type Text value, Organization Formal Name value, Mailing Address Text value, Mailing Address City Name value, Mailing Address State value, and Mailing Address ZIP Code value> already exists.	Reject entire transaction	PermitIdentifier
CA140	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • ALT • FAX	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of <Submission Type value> Address Phone Number. The valid types are OFF, ALT, and FAX.	Reject entire transaction	PermitIdentifier
CA150	For each unique Address, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 ALT, and only 1 FAX).	The following Telephone Number Type Code(s) cannot be entered more than once for the <Submission Type value> Contact Address <Affiliation Type Text value, Organization Formal Name value, Mailing Address Text value, Mailing Address City Name value, Mailing Address State value, and Mailing Address ZIP Code value>: <Telephone Number Type Code value 1>, <Telephone Number Type Code value 2>, … <Telephone Number Type Code value n>.	Reject entire transaction	PermitIdentifier
CA160	Telephone Number Extension can only be entered for Telephone Number of Type OFF and ALT. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Warning: Telephone Extension Number is not a valid tag for <Submission Type value> Address Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved.	N/A	PermitIdentifier

9.1.8 Permit Termination Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a permit termination transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Historical Permit Schedule Events. Valid Transaction Type is C (Change).	Reject entire Permit Termination transaction	Permit Identifier
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Permit Termination transaction	Permit Identifier
TRM030	A Permit does not exist for the key data entered.	A Permit identified by the NPDES ID must already exist in ICIS.	Reject entire Permit Termination transaction	Permit Identifier
TRM040	The Permit cannot be terminated because the Permit Status is <Permit Status Code value> (<Permit Status Description value>).	The Permit Status must be one of the following to be terminated: • Effective • Expired • Administratively Continued.	Reject entire Permit Termination transaction	Permit Identifier
TRM050	The Permit cannot be terminated because it has Unsubmitted DMRs.	The Permit cannot have any Unsubmitted DMRs.	Reject entire Permit Termination transaction	Permit Identifier
TRM060	The Permit cannot be terminated because the Permit Type Code is UPF (Unpermitted Facility).	The Permit identified by the NPDES ID submitted cannot have a Permit Type of Unpermitted Facility.	Reject entire Permit Termination transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
TRM070	The Permit Termination Date <Permit Termination Date value> must be greater than or equal to the Permit Effective Date <Permit Effective Date value>.	The Permit Termination Date must be greater than or equal to the Permit Effective Date.	Reject entire Permit Termination transaction	Permit Identifier
TRM080	The Permit Termination Date <Permit Termination Date value> must be less than or equal to the Current Date <Current Date value>.	The Permit Termination Date must be less than or equal to the Current Date.	Reject entire Permit Termination transaction	Permit Identifier
TRM090	The Permit cannot be Terminated because there are received DMR data with a Monitoring Period Start Date (MPSD) greater than or equal to the Permit Termination Date <Permit Termination Date value>.	The Permit cannot have a DMR Value Received Date entered for any DMR Value whose DMR Form Monitoring Period Start Date (MPSD) is greater than or equal to the Permit Termination Date. Note: MPSD= MPED – (Number of Report Units x Calendar Month) + 1 day	Reject entire Permit Termination transaction	Permit Identifier

9.1.9 Permitted Feature Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a permitted feature transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PF030	A Permitted Feature already exists for the key data entered.	For a New Permitted Feature transaction, the Permitted Feature identified by the combination of NPDES ID and Permitted Feature ID must not already exist in ICIS.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF040	A Permitted Feature cannot be added because the Permit Identifier does not exist in ICIS.	When adding a Permitted Feature to ICIS, whether through a New or Replace transaction, the NPDES ID submitted must exist in ICIS. Note: This business rule is not checked for Replace transactions where the Permitted Feature exists in ICIS.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF050	The Permit has a Permit Type Code of Unpermitted Facility (UFT) which is invalid for a Permitted Feature transaction.	The Permit Type for the Permit identified by the NPDES ID cannot be Unpermitted Facility. Note: This business rule is not checked for Replace transactions where the Permitted Feature exists in ICIS.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF060	The Permitted Feature transaction contains key data and no other data for processing.	If the Permitted Feature transaction contains key data and no other data, ICIS rejects the transaction.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF190	A Permitted Feature does not exist for the key data entered.	The combination of NPDES ID and Permitted Feature ID submitted must exist in ICIS.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF210	The Permitted Feature contains Limit Sets and cannot be deleted with a Conditional Delete (D) transaction.	For a Delete transaction, a Permitted Feature cannot be deleted if it has any Limit Sets.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF070	Permitted Feature Type Code must be entered.	Permitted Feature Type must exist for a Permitted Feature. Note: When adding a record, Permitted Feature Type must be submitted and when updating an existing record, Permitted Feature Type cannot be blanked out.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PF080	Permitted Feature Type Code <Permitted Feature Type Code value> does not exist or is inactive in the ICIS reference table.	Permitted Feature Type must be a valid (i.e., Active) code in the REF_PERM_FEATURE_TYPE table.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF090	Well Number must be entered because Permitted Feature Type Code = WEL and Is Required Nitrate Ground Water = Yes.	If Permitted Feature Type is Monitoring Well and "Is Nitrate Groundwater Monitoring Required" = Y, then Well Number must be entered.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF100	Permitted Feature Characteristics <Permitted Feature Characteristics value 1, Permitted Feature Characteristics value 2, …Permitted Feature Characteristics value n> does not exist or is inactive in the ICIS reference table.	Permitted Feature Characteristic Code must be a valid (i.e., Active) code in the REF_CHARACTERISTIC table.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF110	Permitted Feature Treatment Type Code <Permitted Feature Treatment Type Code value 1, Permitted Feature Treatment Type Code value 2, …Permitted Feature Treatment Type Code value n> does not exist or is inactive in the ICIS reference table.	Permitted Feature Treatment Type must be a valid (i.e., Active) code in the REF_TREATMENT_TYPE table.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF120	1) Latitude Measure must be entered because Longitude Measure has been entered. 2) Longitude Measure must be entered because Latitude Measure has been entered.	Latitude must be entered if Longitude is entered and vice versa.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PF130	The following data cannot be entered because Latitude and Longitude were not entered: (Horizontal Accuracy Measure <Horizontal Accuracy Measure value>, Geometric Type Code <Geometric Type Code value>, Horizontal Collection Method Code <Horizontal Collection Method Code value>, Horizontal Reference Datum Code <Horizontal Reference Datum Code value>, Reference Point Code <Reference Point Code value>, or Source Map Scale Number <Source Map Scale Number value>). Note: In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The following data may only be entered if Latitude and Longitude are entered: • Horizontal Accuracy Measure • Geometric Type • Horizontal Collection Method • Horizontal Reference Datum • Reference Point • Source Map Scale Number. Note: When adding a record, Lat/Long must be submitted with any of these data tags, however, when updating an existing record if Lat/Long already exists in ICIS it does not need to be resubmitted.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF140	Geometric Type Code <Geometric Type Code value> does not exist or is inactive in the ICIS reference table.	Geometric Type must be a valid (i.e., Active) code in the REF_GEOMETRIC_TYPE table.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF150	Horizontal Collection Method Code <Horizontal Collection Method Code value> does not exist or is inactive in the ICIS reference table.	Horizontal Collection Method must be a valid (i.e., Active) code in the REF_HORIZONTAL_COLLECT_METHOD table.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF160	Horizontal Reference Datum Code <Horizontal Reference Datum Code value> does not exist or is inactive in the ICIS reference table.	Horizontal Reference Datum must be a valid (i.e., Active) code in the REF_HORIZONTAL_REF_DATUM table.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF170	Reference Point Code <Reference Point Code value> does not exist or is inactive in the ICIS reference table.	Reference Point must be a valid (i.e., Active) code in the REF_REFERENCE_POINT table.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
PF220	Latitude Measure <Latitude Measure value> must be greater than or equal to -90 and less than or equal to 90.	Latitude must be greater than or equal to -90 and less than or equal to 90.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PF230	Longitude Measure <Longitude Measure value> must be greater than or equal to -180 and less than or equal to 180.	Longitude must be greater than or equal to -180 and less than or equal to 180.	Reject entire Permitted Feature transaction	Permit Identifier Permitted Feature Identifier
CA005	Affiliation Type must have an App_Module_Code of <App_Module_Code listed in the bullets below, by Submission Type> in the XREF_AFFILIATION_MODULE table. • Basic Permit – PMC, FAC • Biosolids Permit – BIO • CAFO Permit – CAF • Compliance Monitoring – IPN • General Permit – PMC, FAC • Master General Permit – PMC • Permitted Feature – PMF • Pretreatment Permit – PRE • SW Construction Permit – SMC • SW Event Report – PGR • SW Industrial Permit – SMC • SW MS4 Large Permit – SMC • SW MS4 Program Report – PGR • SW MS4 Small Permit – SMC • Unpermitted Facility - FAC Note: Basic Permit and General Permit have both Permit Contacts and Addresses and Facility Contacts and Addresses. The Affiliation Type for Permit Contacts and Addresses must have an App_Module_Code of PMC and the Affiliation Type for Facility Contacts and Addresses must have an App_Module_Code of FAC.	The Affiliation Type Text <Affiliation Type Text value 1, Affiliation Type Text value 2,…Affiliation Type Text value n> is not valid for a <Submission Type value>.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA010	Affiliation Type must be a valid (i.e., Active) code with an Affiliation_Category of Non-Government in the REF_AFFILIATION_TYPE table.	Affiliation Type Text <Affiliation Type Text value> does not have an Affiliation_Category of Non-Government, or does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	Permit Identifier Permitted Feature Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA020	Asterisks must be entered in all required tags to blank out all Contacts and Addresses. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected. Required tags for Contact are Affiliation Type, First Name, Last Name, and Individual Title. Required tags for Address are Affiliation Type, Organization Formal Name, Street Address, City, State, and Zip Code.	For one or more <Submission Type value> Contacts or Addresses, both asterisks and values were entered in the required tags. The required tags must contain either all asterisks or all values.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA040	State must be a valid (i.e., Active) code in the REF_STATE table.	State Code <State Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA050	State must be a state where the Usage_Indicator = A or B in the REF_STATE table	State Code <State Code value> is not valid for a <Submission Type value> Contact.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA060	Region must be a valid (i.e., Active) code in the REF_REGION table.	Region Code <Region Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA070	There cannot be duplicate Contacts associated with the same Affiliation Type for the same record.	The <Submission Type value> Contact <Affiliation Type Text value, First Name value, Last Name value, Individual Title Text value> already exists.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA080	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • CEL • FAX • PGE	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of Contact Phone Number for a <Submission Type value>. The valid types are OFF, CEL, FAX, and PGE.	Reject entire transaction	Permit Identifier Permitted Feature Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA085	For each unique Contact, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 CEL, only 1 FAX, and only 1 PGE).	The following Telephone Number Type Code(s) cannot be entered more than once for the <Submission Type value> Contact <Affiliation Type Text value, First Name value, Last Name value, Individual Title Text value>: <Telephone Number Type Code value 1>, <Telephone Number Type Code value 2>, … <Telephone Number Type Code value n>.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA090	Telephone Number Extension can only be entered for Telephone Number of Type OFF. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Warning: Telephone Extension Number is not a valid tag for <Submission Type value> Contact Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved.	N/A	Permit Identifier Permitted Feature Identifier
CA110	State must be a valid (i.e., Active) code in the REF_STATE table.	Mailing Address State Code <Mailing Address State Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA120	Country must be a valid (i.e., Active) code in the REF_COUNTRY table.	Mailing Address Country Code <Mailing Address Country Code value> does not exist or is inactive in the ICIS reference table for a <Submission Type value>.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA130	There cannot be duplicate Addresses associated with the same Affiliation Type for the same record.	The <Submission Type value> Address <Affiliation Type Text value, Organization Formal Name value, Mailing Address Text value, Mailing Address City Name value, Mailing Address State value, and Mailing Address ZIP Code value> already exists.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA140	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • ALT • FAX	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of <Submission Type value> Address Phone Number. The valid types are OFF, ALT, and FAX.	Reject entire transaction	Permit Identifier Permitted Feature Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CA150	For each unique Address, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 ALT, and only 1 FAX).	The following Telephone Number Type Code(s) cannot be entered more than once for the <Submission Type value> Contact Address <Affiliation Type Text value, Organization Formal Name value, Mailing Address Text value, Mailing Address City Name value, Mailing Address State value, and Mailing Address ZIP Code value>: <Telephone Number Type Code value 1>, <Telephone Number Type Code value 2>, … <Telephone Number Type Code value n>.	Reject entire transaction	Permit Identifier Permitted Feature Identifier
CA160	Telephone Number Extension can only be entered for Telephone Number of Type OFF and ALT. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Warning: Telephone Extension Number is not a valid tag for <Submission Type value> Address Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved.	N/A	Permit Identifier Permitted Feature Identifier

9.1.10 Limit Set Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a limit set transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS030	The Limit Set cannot be edited because it contains Unsubmitted DMRs.	No changes can be made to a Limit Set if Unsubmitted DMRs exist. Note: This business rule is not checked for Replace transactions where the Limit Set does not exist in ICIS.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS050	The Limit Set cannot be deleted because it contains Limits.	A Limit Set cannot be deleted if it contains Limits.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS060	Limit Set already exists for the key data provided.	The Limit Set identified by the combination of NPDES ID, Permitted Feature Identifier and Limit Set Designator must not exist in ICIS.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS070	A Limit Set cannot be added because the combination of Permit Identifier and Permitted Feature Identifier does not exist in ICIS.	The combination of NPDES ID and Permitted Feature Identifier must exist in ICIS. Note: This business rule is not checked for Replace transactions where the Limit Set exists in ICIS.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS080	A Limit Set does not exist for the key data entered.	The Limit Set identified by the combination of NPDES ID, Permitted Feature Identifier and Limit Set Designator must exist in ICIS.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS090	The Limit Set only contains key data and no other data for processing.	If the Limit Set transaction contains only key data and no other data, ICIS rejects the Limit Set transaction.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS100	The Limit Set must have at least one Limit Set Schedule.	A Limit Set must have at least one Limit Set Schedule. Note: • A Scheduled Limit Set Schedule consists of the following data elements: - Number of Report Units - Number of Submission Units - Initial Monitoring Date - Initial DMR Due Date • An Unscheduled Limit Set Schedule consists of Number of Report Units.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS110	1) Limit Set Modification Effective Date must exist because Limit Set Modification Type Code exists for the following Limit Set Schedule(s) (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	If Modification Effective Date exists, Modification Type must also exist, and vice versa.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
	2) Limit Set Modification Type Code must exist because Limit Set Modification Effective Date exists for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.			

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS120	Limit Set Modification Type Code is inactive in the ICIS reference table for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Modification Type must be a valid (i.e., Active) code in the REF_MODIFICATION_TYPE table.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS140	Limit Set Modification Effective Date must be greater than or equal to Permit Issue Date <Permit Issue Date value> for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Modification Effective Date must be greater than or equal to Permit Issue Date.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS150	Limit Set Modification Effective Date must be less than or equal to Permit Expiration Date <Permit Expiration Date value> for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Modification Effective Date must be less than or equal to Permit Expiration Date.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS160	Limit Set Modification Effective Date and Limit Set Modification Type Code are required for the following Limit Set Schedule(s): (Number Units Report Period Integer <value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>.	If the Limit Set contains more than one Limit Set Schedule, Modification Effective Date and Modification Type must exist for all Limit Set schedules except the initial Limit Set Schedule Note: • Modification Effective Date and Modification Type can be omitted for only one row of Limit Set Schedule data • This business rule is not checked for transactions where the Initial Monitoring Date is blank for Scheduled Limit Sets or where the Number of Report units is blank for Unscheduled Limit Sets.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS380	Limit Set Months Applicable value ALL was entered so no Limit Set Months Applicable can be entered. Note: The Limit Set Months Applicable value ALL is not included in the list of Limit Set Months Applicable values.	If ALL is entered for Month Applies, no other month can be added.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS390	The type of Limit Set does not exist.	The type of Limit Set (i.e., Scheduled or Unscheduled) identified in the submission must match the type of Limit Set that exists in ICIS. This business rule is not checked for Replace transactions where the Limit Set does not exist in ICIS.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS180	The Limit Set must have at least one Limit Set Status Indicator and Limit Set Status Start Date.	A Limit Set must have at least one Limit Set Status and Status Start Date.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS190	1) Limit Set Status Indicator must exist because Limit Set Status Start Date exists. 2) Limit Set Status Start Date must exist because Limit Set Status Indicator exists.	If Limit Set Status exists, Status Start Date must also exist, and vice versa.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS210	The Limit Set Status Start Date <Limit Set Status Start Date value> entered must be greater than or equal to Permit Effective Date for Unscheduled Limit Sets.	The earliest Limit Set Status Start Date must be greater than or equal to Permit Effective Date. Note: • This rule only applies to Unscheduled Limit Sets. • This business rule is not checked if one or more of the fields being compared is blank.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS220	The Limit Set Status Start Date <Limit Set Status Start Date value> entered must be less than or equal to Permit Expiration Date.	The earliest Limit Set Status Start Date must be less than or equal to Permit Expiration Date. Note: • This rule only applies to Unscheduled Limit Sets. • This business rule is not checked if one or more of the fields being compared is blank.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS240	The Limit Set Status Start Date <Limit Set Status Start Date value> must be greater than or equal to the previous Limit Set Status Start Date <previous Limit Set Status Start Date value>.	Limit Set Status Start Date of the most recent Limit Set Status record must be greater than or equal to the Limit Set Status Start Date of the previous Limit Set Status record (if previous Limit Set Status exists). Note: • This business rule is not checked for Replace transactions where the Limit Set does not exist in ICIS. • The most recent Limit Set Status record is the row being added or edited through batch transactions. • The previous Limit Set Status record is the row in ICIS that has the greatest Limit Set Status Start Date. • This business rule is not checked if one or more of the fields being compared is blank.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS250	This Limit Set change cannot be made because it would cause Received DMR Values to be orphaned.	If the Limit Set transaction will orphan Received DMR Values by editing one or more of the following fields: • Number of Report Units • Number of Submission Units • Initial Monitoring Date • Initial DMR Due Date • Limit Set Status Start Date • Limit Set Status ICIS rejects the Limit Set transaction. Note: • This Validation is done only if the Permit for the Limit Set is an Individual Permit or a GPCF. • This business rule is not checked for Replace transactions where the Limit Set does not exist in ICIS • This rule only applies to Scheduled Limit Sets.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS260	The following Limit Set Schedule(s) must contain Initial Monitoring Date: (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Initial Monitoring Date must exist for each Limit Set Schedule. Note: This rule only applies to Scheduled Limit Sets.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS270	Initial Monitoring Date must be less than or equal to the Permit Expiration Date <value> for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Initial Monitoring Date must be less than or equal to the Permit Expiration Date (if the Permit Expiration Date exists). Note: • This rule only applies to Scheduled Limit Sets. • This business rule is not checked if one or more of the fields being compared is blank.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS280	Initial Monitoring Period End Date must be greater than Permit Effective Date <Permit Effective Date value> for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	If Initial Monitoring Date is less than Permit Effective Date, then Initial Monitoring Period End Date (IMPED) must be greater than Permit Effective Date. Note: • IMPED is calculated using the following formula: IMPED = IMD/MIMD + (Number of Report Units x Calendar Month) - 1 Day. • This rule only applies to Scheduled Limit Sets. • This business rule is not checked if one or more of the fields being compared is blank.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS290	The earliest Initial Monitoring Date <Initial Monitoring Date value> entered must be equal to the earliest Status Start Date <Limit Set Status Start Date value> for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The earliest Initial Monitoring Date must be equal to the earliest Status Start Date. Note: • This rule only applies to Scheduled Limit Sets. • This business rule is not checked if one or more of the fields being compared is blank.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS300	The following Limit Set Schedule(s) must contain Initial DMR Due Date: (Number Units Report Period Integer <value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Initial DMR Due Date must exist for each Limit Set Schedule. Note: This rule only applies to Scheduled Limit Sets.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS310	Initial DMR Due Date must be greater than the Initial Monitoring Period End Date for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Initial DMR Due Date must be greater than the Initial Monitoring Period End Date. Note: • IMPED is calculated using the following formula: IMPED = IMD/MIMD + (Number of Report Units x Calendar Month) - 1 Day • This rule only applies to Scheduled Limit Sets. • This business rule is not checked if one or more of the fields being compared is blank.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS320	Initial DMR Due Date must be greater than the earliest possible Submission Due Date for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Initial DMR Due Date must be greater than the earliest possible Submission Due Date. Note: • Earliest Possible Submission Due Date is calculated using the following formula: Initial Monitoring Date + (Number of Submission Units x Calendar Month) - 1 day • This rule only applies to Scheduled Limit Sets. • This business rule is not checked if one or more of the fields being compared is blank.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS330	Number Submission Units Integer must exist for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The Number of Submission Units must exist for a Limit Set Schedule. Note: This rule only applies to Scheduled Limit Sets.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS340	The Number Submission Units must be greater than or equal to the Number Units Report for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The Number of Submission Units must be greater than or equal to the Number of Report Units. Note: • This rule only applies to Scheduled Limit Sets. • This business rule is not checked if one or more of the fields being compared is blank.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS350	The Number Submission Units must be evenly divisible by the Number Units Report Period Integer for the following Limit Set Schedule(s): (Number Units Report Period Integer<value 1>, Number Submission Units Integer <value 1>, Initial Monitoring Date <value 1>, Initial DMR Due Date <value 1>, Limit Set Modification Type Code <value 1>, Limit Set Modification Effective Date <value 1>), (Number Units Report Period Integer<value 2>, Number Submission Units Integer <value 2>, Initial Monitoring Date <value 2>, Initial DMR Due Date <value 2>, Limit Set Modification Type Code <value 2>, Limit Set Modification Effective Date <value 2>), …(Number Units Report Period Integer<value n>, Number Submission Units Integer <value n>, Initial Monitoring Date <value n>, Initial DMR Due Date <value n>, Limit Set Modification Type Code <value n>, Limit Set Modification Effective Date <value n>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The Number of Submission Units must be evenly divisible by the Number of Report Units. Note: • This rule only applies to Scheduled Limit Sets. • This business rule is not checked if one or more of the fields being compared is blank.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS400	Number Submission Units Integer, Initial Monitoring Date, or Initial DMR Due Date cannot be submitted for Unscheduled Limit Set Schedules.	If any of the following are submitted for an Unscheduled Limit Set: • Number of Submission Units • Initial Monitoring Date • Initial DMR Due Date ICIS rejects the Limit Set transaction.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LS360	This Limit Set change cannot be made because it would cause Received DMR Values to be orphaned.	If the Limit Set transaction will orphan Received DMR Values by editing one or more of the following fields: • Limit Set Status Start Date • Limit Set Status ICIS rejects the Limit Set transaction. Note: • This Validation is done only if the Permit for the Limit Set is an Individual Permit or a GPCF. • This business rule is not checked for Replace transactions where the Limit Set does not exist in ICIS • This rule only applies to Unscheduled Limit Sets.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier
LS370	An error has occurred while processing the data for this Limit Set. No data were saved for this Limit Set, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully, roll back all changes for the XML transaction. Note: This business rule is not checked for Replace transactions where the Limit Set does not exist in ICIS.	Reject entire Limit Set transaction	Permit Identifier Permitted Feature Identifier Limit Set Identifier

9.1.11 Parameter Limit and Limit Segment Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a parameter limit or limit segment transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Limits Transaction. Valid Transaction Types are X (Mass Delete), D (Delete), N (New), and C (Change).	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Location Code Limit Season Number Limit Start Date Limit End Date
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Parameter Limits Transaction. Valid Transaction Types are X (Mass Delete), D (Delete), and R (Replace).	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Limit transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT020	User <ID value> does not have privileges to perform a <Transaction Type value> <Submission Type value> transaction.		Reject entire Parameter Limits transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS040	A Limit cannot be added because the combination of Permit Identifier, Permitted Feature Identifier, and Limit Set Designator does not exist in ICIS.	The combination of NPDES ID, Permitted Feature ID, and Limit Set Designator must exist in ICIS. Note: This only applies for Replace Parameter Limits transaction where the parameter does not exist in ICIS.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT040	The Parameter Limit cannot be replaced because the combination of Permit Identifier, Permitted Feature Identifier, and Limit Set Designator does not exist in ICIS.		Reject entire Parameter Limits transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS050	A Limit Segment already exists for the Limit Group for the key data entered.	A Limit identified by the combination of NPDES ID, Permitted Feature ID, Limit Set Designator, Parameter Code, Monitoring Location, Limit Season ID, Limit Start Date and Limit End Date, must not exist in ICIS within the same Limit Group. Note: See Introduction for definition of Limit Group.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT050	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): A Limit Segment already exists for the Limit Group for the key data entered. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic. • This error message should be recorded once per violation within a limit group.		Reject entire Parameter Limits transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS060	A Limit does not exist for the key data entered.	The Limit record identified by the combination of NPDES ID, Permitted Feature Identifier, Limit Set Designator, Parameter Code, Monitoring Location Code, Limit Season ID, Limit Start Date and Limit End Date must exist in ICIS.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT070	A Limit Parameter does not exist for the key data entered.	The Limit Parameter identified by the combination of NPDES ID, Permitted Feature, Limit Set Designator, Parameter Code, Monitoring Location and Limit Season ID must exist in ICIS.	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS080	The Limit cannot be changed or deleted because more than one limit with the same key data exists.	A Limit cannot be edited or deleted if more than one limit exists with the same combination of NPDES ID, Permitted Feature Identifier, Limit Set Designator, Parameter Code, Monitoring Location Code, Limit Season ID, Limit Start Date and Limit End Date.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS090	The Limits transaction contains key data and no other data for processing.	If key data and no other data are submitted, ICIS rejects the transaction.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT090	The Parameter Limits transaction contains key data and no other data for processing.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS100	The Limit Set contains Unsubmitted DMRs and cannot be changed or edited.	The Limit cannot be added, edited, or deleted if there are Unsubmitted DMRs for the Limit Set. Note: This business rule applies only to Individual and GPCF permits.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT100	The Limit Set contains Unsubmitted DMRs and cannot be changed or edited.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS120	The Enforcement Action Limit cannot exist because there is not at least one base limit or modification limit for the parameter.	An Enforcement Action Limit cannot exist unless there is at least one base limit or modification limit for the parameter.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT120	Enforcement Action Limit(s) must have at least one base limit or modification limit for the parameter.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS130	The Limit cannot be deleted because it contains Effluent Trade Partners.	The Limit cannot be deleted if it contains Effluent Trade Partners	Reject entire Parameter Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT140	The Limit Parameter cannot be deleted because it contains Effluent Trade Partners.	The Limit Parameter cannot be deleted if it contains Effluent Trade Partners	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
PLT150	The Limit Parameter cannot be deleted because it contains Enforcement Action Limits.	A Limit Parameter cannot be deleted if an Enforcement Action Limit segment exists for that parameter.	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS160	The Limit cannot be added because DMRs with received DMR data would be orphaned.	A Limit Segment cannot be added if that action would result in the orphaning of Received DMR data. Note: This business rule applies only to Individual and GPCF permits.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
LTS170	The Limit cannot be changed because it contains DMRs with received DMR data that would be orphaned.	A Limit Segment cannot be changed if that action would result in the orphaning of Received DMR data. Note: This business rule applies only to Individual and GPCF permits.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
LTS180	The Base Limit cannot be deleted because it contains received DMR values.	A Base Limit Segment cannot be deleted if it has any received DMR Values linked to it. Note: This business rule applies only to Individual and GPCF permits.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS190	The Limit cannot be deleted because it contains DMRs with received DMR data that would be orphaned.	A Permit Modification Limit and Enforcement Action Limit cannot be deleted if it has received DMR Values linked to it that cannot be linked to another limit segment. Note: BGP evaluates the expected DMR schedule to determine the Limit Segment in effect for the MPED of the received DMR data. Note: This business rule applies only to Individual and GPCF permits.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
LTS200	The Limit cannot be deleted because it contains DMRs with received Adjusted DMR data that would be orphaned.	If the Limit segment being deleted has an Effluent Trade Partner and received Adjusted DMR data, the Limit cannot be deleted if the received Adjusted DMR data cannot be linked to another limit segment with an Effluent Trade Partner. Note: This business rule applies only to Individual and GPCF permits.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT210	The Parameter Limit contains DMRs with received data that will be orphaned with the data entered for this transaction.	A Parameter Limit Replace or Delete Transaction is not valid if it results in the orphaning of received DMR data. Note: This business rule applies to only Individual and GPCF Permit Types.	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT220	The Parameter Limit contains DMRs with received Adjusted DMR data that will be orphaned with the data entered for this transaction.	A Parameter Limit Replace Transaction is not valid if it results in the orphaning of received Adjusted DMR data through linkage to a Limit segment with no Effluent Trade Partner. Note: This business rule applies to only Individual and GPCF Permit Types.	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS230	Parameter Code <Parameter Code value> does not exist or is inactive in the ICIS reference table.	Parameter Code must be a valid (i.e., Active) code in the REF_PARAMETER table unless that parameter code has already been used for an existing limit for the current version of the limit set.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT230	Parameter Code <Parameter Code value> does not exist or is inactive in the ICIS reference table.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS240	Monitoring Site Description Code <Monitoring Site Description Code value> does not exist or is inactive in the ICIS reference table.	Monitoring Location must be a valid (i.e., Active) code in the REF_MONITORING_LOCATION table.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT240	Monitoring Site Description Code <Monitoring Site Description Code value> does not exist or is inactive in the ICIS reference table.	Monitoring Location must be a valid (i.e., Active) code in the REF_MONITORING_LOCATION table.	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS245	Limit Season Number must be a whole number from 0 to 12 (inclusive).	Limit Season Number must be a whole number from 0 to 12 (inclusive).	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT245	Limit Season Number must be a whole number from 0 to 12 (inclusive).	Limit Season Number must be a whole number from 0 to 12 (inclusive).	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS250	Limit End Date <Limit End Date value> must be greater than or equal to Limit Start Date <Limit Start Date value>.	Limit End Date must be greater than or equal to Limit Start Date.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT250	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Limit End Date <Limit End Date value> must be greater than or equal to Limit Start Date <Limit Start Date value>. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS260	The Limit Start Date <Limit Start Date Value> must be one day after the Limit End Date <Limit End Date value of preceding Limit Segment> of the preceding Limit segment for the same Limit Group.	If a Limit Segment for same Limit Group exists, the Limit Start Date of the Limit being added must be one day greater than the Limit End Date of the preceding Limit Segment, if one exists. Note: See Introduction for definition of Limit Group.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS270	The Limit End Date <Limit End Date Value> must be one day before the Limit Start Date <Limit Start Date value of subsequent Limit Segment> of the subsequent Limit segment of the same Limit Group.	If a Limit Segment for same Limit Group exists, the Limit End Date of the Limit being added must be one day less than the Limit Start Date of the succeeding Limit Segment, if one exists. Note: See Introduction for definition of Limit Group.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
LTS280	The Limit Segment cannot be deleted because it would leave gaps between the remaining Limit Segments for the same Limit Group.	The change or deletion of a Limit Segment cannot leave any gaps between the remaining Limit Segments for the Limit Group as follows: • The Limit Start Date must be one day greater than the Limit End Date of the preceding Limit segment, if one exists AND • The Limit End Date must be one day less than the Limit Start Date of the subsequent Limit segment, if one exists Note: See Introduction for definition of Limit Group.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT290	The Limit Parameter cannot be replaced because it would leave gaps or overlaps between Limit Segments within the Base Limit Group.	If more than one Base Limit Segment exists in the Replace Parameter Limits transaction, the system evaluates the Base Limit Segment dates to ensure that there are no gaps or overlaps within the Limit Group. Note: See Introduction for definition of Limit Group.	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT300	The Limit Parameter cannot be replaced because it would leave gaps or overlaps between Limit Segments within the Permit Modification Limit Group with the Limit Modification Effective Date <Limit Modification Effective Date value>.	If more than one Permit Modification Limit Segment with the same Modification Date exists in the Replace Parameter Limits transaction, the system evaluates the Permit Modification Limit Segments dates to ensure that there are no gaps or overlaps within the Limit Group. Note: See Introduction for definition of Limit Group.	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
PLT310	The Limit Parameter cannot be replaced because it would leave gaps or overlaps between Limit Segments within the Enforcement Action Limit Group with the Enforcement Action Identifier <Enforcement Action Identifier value> and Final Order Identifier <Final Order Identifier value>.	If more than one Enforcement Action Limit Segment with the same Enforcement Action ID and Final Order ID exists in the Replace Parameter Limits transaction, the system evaluates the Enforcement Action Limit Segments dates to ensure that there are no gaps or overlaps within the Limit Group. Note: See Introduction for definition of Limit Group	Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS320	Limit Type Code <Limit Type Code value> does not exist or is inactive in the ICIS reference table.	Limit Type must be a valid (i.e., Active) code in the REF_LIMIT_TYPE table.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT320	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Limit Type Code <Limit Type Code value> does not exist or is inactive in the ICIS reference table. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS330	Month Limit Applies value ALL was entered so no other Month Limit Applies values can be entered. Note: The Month Applies value ALL is not included in the list of Month Limit Applies values.	If ALL is entered for Month Applies, no other month can be added.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT330	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Month Limit Applies value ALL was entered so no other Month Limit Applies values can be entered. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic. • The Month Applies value ALL is not included in the list of Month Limit Applies values.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS340	Warning: This Limit creates duplicate months across Limit Segments.	The system will generate a warning message if seasonal Limit records have duplicate months as follows: Other limits of the same kind as the added limit share the following key data and have one or more of the same month(s) selected: • NPDES ID • Permitted Feature Identifier • Limit Set Designator • Parameter Code • Monitoring Location • Limit Start Date • Limit End Date	N/A	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT340	Warning: (Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): This Limit creates duplicate months across Limit Segments. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		N/A	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS350	Sample Type Text <Sample Type Text value> does not exist or is inactive in the ICIS reference table.	Sample Type must be a valid (i.e., Active) code in the REF_SAMPLE_TYPE table.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT350	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Sample Type Text <Sample Type Text value> does not exist or is inactive in the ICIS reference table. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS360	Frequency of Analysis Code <Frequency of Analysis Code value> does not exist or is inactive in the ICIS reference table.	Frequency of Analysis must be a valid (i.e., Active) code in the REF_FREQUENCY_OF_ANALYSIS table.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT360	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Frequency of Analysis Code <Frequency of Analysis Code value> does not exist or is inactive in the ICIS reference table. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS370	Stay Value data cannot be entered for an Enforcement Action Limit.	Stay Values data cannot be entered for Enforcement Action Limits. Note: Stay Value data is defined as the submission of one or more of the following tags: • Limit Stay Type Code • Stay Start Date • Stay End Date • Stay Reason Text • Calculate Violations Indicator • Numeric Condition Stay Value	N/A	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT370	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Stay Value data cannot be entered for an Enforcement Action Limit. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS380	Limit Stay Type Code <Limit Stay Type Code value> does not exist or is inactive in the ICIS reference table.	Limit Stay Type must be a valid (i.e., Active) code in the REF_STAY_TYPE table.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT380	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Limit Stay Type Code <Limit Stay Type Code value> does not exist or is inactive in the ICIS reference table. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS390	(Stay Type Code, Stay Start Date, Reason for Stay) must exist because (Stay Type Code, Stay Start Date, Reason for Stay) exists. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error message; they just indicate that the error is dynamic.	If any of the following Stay fields exists, all three must exist: • Stay Type • Stay Start Date • Reason for Stay	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT390	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): (Stay Type Code, Stay Start Date, Reason for Stay) must be entered because (Stay Type Code, Stay Start Date, Reason for Stay) has been entered. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS400	Limit Stay Data cannot be entered because Permit Effective Date and Permit Issue Date do not exist for the Permit.	If Stay Type, Stay Start Date, and Reason for Stay are entered, the Permit Effective Date and the Permit Issue Date must exist.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT400	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Limit Stay Data cannot be entered because Permit Effective Date and Permit Issue Date do not exist for the Permit. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS410	Stay Start Date <Stay Start Date value> entered must be less than or equal to the current date.	Stay Start Date must be less than or equal to the current date.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT410	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Stay Start Date <Stay Start Date value> entered must be less than or equal to the current date. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS420	Stay End Date <Stay End Date value> entered must be less than or equal to the current date.	Stay End Date must be less than or equal to the current date.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT420	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Stay End Date <Stay End Date value> entered must be less than or equal to the current date. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS430	Stay End Date <Stay End Date value> entered must be greater than or equal to the Stay Start Date <Stay Start Date value>.	Stay End Date must be greater than or equal to the Stay Start Date.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT430	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Stay End Date <Stay End Date value> entered must be greater than or equal to the Stay Start Date <Stay Start Date value>. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS440	At least one Numeric Condition Unit Measure Code and one Numeric Condition Statistical Base Code should exist for the Limit because Limit Stay Type Code = Z.	If Stay Type = Z, at least one active Limit Value must exist for the stayed Limit. Note: An active Limit Value is one for which the Limit Value record has both a Unit Code and a Statistical Base Code.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT440	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): At least one Numeric Condition Unit Measure Code and one Numeric Condition Statistical Base Code should exist for the Limit because Limit Stay Type Code = Z. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS450	A) For Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>, Numeric Condition Stay Value must exist because an Active Limit Value exists and the Limit Stay Code = Z. B) For Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>, an Active Limit Value must exist because Numeric Condition Stay Value exists and the Limit Stay Code = Z. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error message; they just indicate that the error is dynamic.	If Stay Type Code=Z, Stay Value(s) must exist for all active Limit Value(s) and vice versa. Note: An active Limit Value is one for which the Limit Value record has both a Unit Code and a Statistical base Code.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT450	A) (Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): for Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>, Numeric Condition Stay Value must exist because an Active Limit Value exists and the Limit Stay Code = Z. B) (Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): for Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>, an Active Limit Value must exist because Numeric Condition Stay Value exists and the Limit Stay Code = Z. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS460	Limit Stay Type Code must be Z because Numeric Condition Stay Value exists for Numeric Condition Text: <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error message; they just indicate that the error is dynamic.	Stay Type value must be Z if Stay Value exists for a Limit.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT460	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Limit Stay Type Code must be Z because Numeric Condition Stay Value exists for Numeric Condition Text: <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS470	A) Calculate Violations Indicator must exist because Stay End Date exists. B) Stay End Date must exist because Calculate Violations Indicator exists.	If Stay End Date exists, Stay Violation Calculation Indicator must also exist, and vice versa.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT470	A) (Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Calculate Violations Indicator must be entered because Stay End Date has been entered. B) (Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Stay End Date must be entered because Calculate Violations Indicator has been entered. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS480	(Limit Modification Effective Date <Limit Modification Effective Date value>, Limit Modification Type Code <Limit Modification Type Code value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>) cannot be entered for a Base Limit. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error message; they just indicate that the message is dynamic.	For a Base Limit (Change of Limit Status = Blank) the following data must be blank: • Modification Effective Date • Modification Type • Enforcement Action ID • Final Order ID	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
LTS490	(Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>) cannot be entered for a Permit Modification Limit. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error message; they just indicate that the message is dynamic.	For a Permit Modification Limit (Change of Limit Status = PAC) the following data must be blank: • Enforcement Action ID • Final Order ID	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS780	Limit Modification Effective Date and Limit Modification Type Code cannot be blanked out for a Permit Modification Limit.	For a Permit Modification Limit (Change of Limit Status = PAC) the following data cannot be blanked out: • Modification Effective Date • Modication Type	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
LTS500	(Limit Modification Effective Date <Limit Modification Effective Date Value>, Limit Modification Type Code <Limit Modification Type Code Value>) cannot be entered for an Enforcement Action Limit. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error message; they just indicate that the message is dynamic.	For an Enforcement Action Limit (Change of Limit Status = EAL) the following data must be blank: • Modification Effective Date • Modification Type	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS510	(Limit Modification Effective Date <Limit Modification Effective Date Value>, Limit Modification Type Code <Limit Modification Type Code Value) cannot be entered because (Enforcement Action Identifier, Final Order Identifier) has been entered. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error message; they just indicate that the error is dynamic.	If Enforcement Action ID or Final Order ID is submitted neither Modification Effective Date nor Modification Type can be submitted.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT510	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): (Limit Modification Effective Date: <Limit Modification Effective Date Value>, Limit Modification Type Code: <Limit Modification Type Code Value) cannot be entered because (Enforcement Action Identifier, Final Order Identifier) has been entered. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS520	The (Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>) entered is not linked to the Permit Identifier. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Enforcement Action ID and Final Order ID must be linked to the NPDES ID in a Limits Transaction.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT520	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): The (Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier < Final Order Identifier value>) entered is not linked to the Permit Identifier. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic. • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS760	A) Final Order Identifier must be entered because Enforcement Action Identifier is entered. B) Enforcement Action Identifier must be entered because Final Order Identifier is entered.	If Enforcement Action Identifier is entered, Final Order Identifier must also be entered and vice versa.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT760	A.) (Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Final Order Identifier must be entered because Enforcement Action Identifier is entered. B.) (Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Enforcement Action Identifier must be entered because Final Order Identifier is entered. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS770	The (Enforcement Action Identifier <Enforcement Action Identifier >, Final Order Identifier <Final Order Identifier value>) does not exist in ICIS. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The combination of Enforcement Action ID and the Final Order ID must exist in ICIS.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT770	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): The (Enforcement Action Identifier <Enforcement Action Identifier >, Final Order Identifier <Final Order Identifier value>) does not exist in ICIS. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS540	Basis of Limit <Basis of Limit value> does not exist or is inactive in the ICIS reference table.	Basis of Limit must be a valid (i.e., Active) code in the REF_BASIS_OF_LIMIT table.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT540	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Basis of Limit <Basis of Limit value> does not exist or is inactive in the ICIS reference table. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS550	A) Limit Modification Effective Date must be entered because Limit Modification Type Code is entered. B) Limit Modification Type Code must be entered because Limit Modification Effective Date is entered.	If Modification Effective Date is entered, Modification Type must also be entered and vice versa.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT550	A) (Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Limit Modification Effective Date must be entered because Limit Modification Type Code is entered. B) (Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Limit Modification Type Code must be entered because Limit Modification Effective Date is entered. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS560	Limit Modification Type Code <Limit Modification Type Code value> entered does not exist or is inactive in the ICIS reference table.	Modification Type must be a valid (i.e., Active) code in the REF_MODIFICATION_TYPE table.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT560	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Limit Modification Type Code <Limit Modification Type Code value> entered does not exist or is inactive in the ICIS reference table. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS570	Limit Modification Effective Date <Limit Modification Effective Date value> entered must be greater than or equal to Permit Issue Date <Permit Issue Date value>.	Modification Effective Date must be greater than or equal to Permit Issue Date (if Permit Issue Date has been entered).	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT570	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Limit Modification Effective Date <Limit Modification Effective Date value> entered must be greater than or equal to Permit Issue Date <Permit Issue Date value>. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS580	Limit Modification Effective Date <Limit Modification Effective Date value> entered must be less than or equal to Permit Expiration Date.	Modification Effective Date must be less than or equal to the Permit Expiration Date.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT580	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Limit Modification Effective Date <Limit Modification Effective Date value> entered must be less than or equal to Permit Expiration Date. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS590	Quantity Numeric Condition Unit Measure Code must be entered because Statistical Base Code has been entered for <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Quantity Unit Code must be entered if any Quantity Limit values have a Statistical Base entered.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT590	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Quantity Numeric Condition Unit Measure Code must be entered because Statistical Base Code has been entered for <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS600	Concentration Numeric Condition Unit Measure Code must be entered because Statistical Base Code has been entered for <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Concentration Unit Code must be entered if any Concentration Limit values have a Statistical Base entered.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT600	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Concentration Numeric Condition Unit Measure Code must be entered because Statistical Base Code has been entered for <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS610	Numeric Condition Quantity Unit of Measure <Numeric Condition Quantity Unit of Measure value> exists, but no Numeric Condition Statistical Base Code exists for Numeric Condition Text Q1 or Q2. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	If Quantity Unit Code is entered, at least one statistical base must exist for Q1 or Q2.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT610	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Numeric Condition Quantity Unit of Measure <Numeric Condition Quantity Unit of Measure value> exists, but no Numeric Condition Statistical Base Code exists for Numeric Condition Text Q1 or Q2. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS620	Numeric Condition Concentration Unit of Measure <Numeric Condition Concentration Unit of Measure value> exists, but no Numeric Condition Statistical Base Code exists for Numeric Condition Text C1, C2, or C3. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	If Concentration Unit Code is entered, at least one statistical base must exist for C1, C2 or C3.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date
PLT620	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Numeric Condition Concentration Unit of Measure <Numeric Condition Concentration Unit of Measure value> exists, but no Numeric Condition Statistical Base Code exists or Numeric Condition Text C1, C2, or C3. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS630	(<Quantity Numeric Condition Unit Measure Code> <Quantity Numeric Condition Unit Measure Code value>, <Concentration Numeric Condition Unit Measure Code> <Concentration Numeric Condition Unit Measure Code value>) entered is not valid for the Parameter Code. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Quantity or Concentration Unit Code entered must be a valid value for the Parameter.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT630	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): (<Quantity Numeric Condition Unit Measure Code> < Quantity Numeric Condition Unit Measure Code value>, <Concentration Numeric Condition Unit Measure Code> < Concentration Numeric Condition Unit Measure Code value>) entered is not valid for the Parameter Code. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS640	Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n> has been entered more than one time for this Limit, and only one of each type of Numeric Report Text can be entered for a Limit. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	For each Limit, only one of each Value Type can be entered (i.e., only one Q1, one Q2, one C1, one C2, and one C3.)	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT640	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n> has been entered more than one time for this Limit, and only one of each type of Numeric Report Text can be entered for a Limit. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS650	Numeric Condition Statistical Base Code <Numeric Condition Statistical Base Code value> must be entered only once for Quantity Limit values.	The Statistical Base entered must be unique for Quantity Limit Values (i.e., Q1 and Q2 must have a unique statistical base code.)	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT650	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Numeric Condition Statistical Base Code <Numeric Condition Statistical Base Code value> must be entered only once for Quantity Limit values. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS660	Numeric Condition Statistical Base Code <Numeric Condition Statistical Base Code value> must be entered only once for Concentration Limit values.	The Statistical Base entered must be unique for Concentration Limit Values (i.e., C1, C2, and C3 must have a unique statistical base code.)	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT660	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Numeric Condition Statistical Base Code <Numeric Condition Statistical Base Code value> must be entered only once for Concentration Limit values. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS670	Only one Monthly Average Numeric Condition Statistical Base Code can be entered for Quantity Limit Values.	Only one Statistical Base with Statistical Base Code Monthly Average Indicator = A (i.e., monthly average) can be entered for Quantity Limit Values (i.e., Q1 and Q2.)	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT670	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Only one Monthly Average Numeric Condition Statistical Base Code can be entered for Quantity Limit Values. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS680	Only one Monthly Average Numeric Condition Statistical Base Code can be entered for Concentration Limit Values.	Only one Statistical Base with Statistical Base Code Monthly Average Indicator = A (i.e., monthly average) can be entered for Concentration Limit Values (i.e., C1, C2, and C3.)	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT680	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Only one Monthly Average Numeric Condition Statistical Base Code can be entered for Concentration Limit Values. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS690	Numeric Condition Statistical Base Code (<Numeric Condition Statistical Base Code 1> for <Numeric Condition Text 1>, <Numeric Condition Statistical Base Code 2> for <Numeric Condition Text 2>,… <Numeric Condition Statistical Base Code n> for <Numeric Condition Text n>) does not exist or is inactive in the ICIS reference table. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Statistical Base must be a valid (i.e., Active) code in the REF_STATISTICAL_BASE table.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT690	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Numeric Condition Statistical Base Code (<Numeric Condition Statistical Base Code 1> for <Numeric Condition Text 1>, <Numeric Condition Statistical Base Code 2> for <Numeric Condition Text 2>,… <Numeric Condition Statistical Base Code n> for <Numeric Condition Text n>) does not exist or is inactive in the ICIS reference table. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS700	For Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>, because Numeric Condition Statistical Base Code is blank, Numeric Condition Quantity and Numeric Condition Qualifier must be blank and Numeric Condition Optional Monitoring Indicator must be 'No'. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	For a Quantity or Concentration Limit Value, If Statistical Base is blank the following must be true: • Limit Value is blank • Qualifier is blank • Optional Monitoring Flag is No	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT700	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): For Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>, because Numeric Condition Statistical Base Code is blank, Numeric Condition Quantity and Numeric Condition Qualifier must be blank and Numeric Condition Optional Monitoring Indicator must be 'No'. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS710	For Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>, because Numeric Condition Optional Monitoring Indicator is 'Yes", Numeric Condition Quantity must be blank. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	For a Quantity or Concentration Limit Value, If Optional Monitoring Flag is Yes, Limit Value must be blank.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT710	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): For Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>, because Numeric Condition Optional Monitoring Indicator is 'Yes', Numeric Condition Quantity must be blank. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS720	For Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>, because Numeric Condition Qualifier exists, Numeric Condition Quantity must exist and Numeric Condition Optional Monitoring Indicator must be 'N'. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	For a Quantity or Concentration Limit Value, if a Qualifier exists, the following must be true: • Limit Value is not blank • Optional Monitoring Flag is No	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT720	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): For Numeric Condition Text <Numeric Condition Text value 1, Numeric Condition Text value 2, … Numeric Condition Text value n>, because Numeric Condition Qualifier exists, Numeric Condition Quantity must exist and Numeric Condition Optional Monitoring Indicator must be 'N'. Notes: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS730	Numeric Condition Qualifier must be Less than or equal to (<=) or Less than (<) because the Numeric Condition Statistical Base Code(s) (<Numeric Condition Statistical Base Code 1> for <Numeric Condition Text 1>, <Numeric Condition Statistical Base Code 2> for <Numeric Condition Text 2>,… <Numeric Condition Statistical Base Code n> for <Numeric Condition Text n>) is a Maximum, Average, Total or Not Applicable Statistical Base Type Code. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	If the Limit Value's Statistical Base is one of the following: • Maximum (statistical_base_code_type=MAX) • Average (statistical_base_code_type =AVG) • TTL (statistical_base_code_type=TTL) • NON (statistical_base_code_type=NON) the Limit Value Qualifier must be less than or equal to (<=) or less than (<). Note: statistical_base_code_type is in the REF_STATISTICAL_BASE table.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT730	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Numeric Condition Qualifier must be Less than or equal to (<=) or Less thank (<) because the Numeric Condition Statistical Base Code(s) (<Numeric Condition Statistical Base Code 1> for <Numeric Condition Text 1>, <Numeric Condition Statistical Base Code 2> for <Numeric Condition Text 2>,… <Numeric Condition Statistical Base Code n> for <Numeric Condition Text n>) is a Maximum, Average, Total or Not Applicable Statistical Base Type Code. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LTS740	Numeric Condition Qualifier must be Greater than or equal to (>=) or Greater than (>) because the Numeric Condition Statistical Base Code(s) (<Numeric Condition Statistical Base Code 1> for <Numeric Condition Text 1>, <Numeric Condition Statistical Base Code 2> for <Numeric Condition Text 2>,… <Numeric Condition Statistical Base Code n> for <Numeric Condition Text n>) is a Minimum Statistical Base Type Code. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	If the Limit Value's Statistical Base is a Minimum (i.e., statistical_base_code_type=MIN) the Limit Value Qualifier must be greater than or equal to (>=) or greater than (>).	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT740	(Limit Segment <Limit Start Date Value> to <Limit End Date value>, Limit Modification Effective Date <Limit Modification Effective Date value>, Enforcement Action Identifier <Enforcement Action Identifier value>, Final Order Identifier <Final Order Identifier value>): Numeric Condition Qualifier must be Greater than or equal to (>=) or Greater than (>) because the Numeric Condition Statistical Base Code(s) (<Numeric Condition Statistical Base Code 1> for <Numeric Condition Text 1>, <Numeric Condition Statistical Base Code 2> for <Numeric Condition Text 2>,… <Numeric Condition Statistical Base Code n> for <Numeric Condition Text n>) is a Minimum Statistical Base Type Code. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number
LTS750	An error has occurred while processing the data for this Limit. No data were saved for this Limit, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully, roll back all changes for the XML transaction if any have already been saved.	Reject entire Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number Limit Start Date Limit End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PLT750	An error has occurred while processing the data for this Limit Parameter. No data were saved for this Parameter, and the XML transaction must be resubmitted.		Reject entire Parameter Limits Transaction	Permit Identifier Permitted Feature Identifier Limit Set Designator Parameter Code Monitoring Site Description Code Limit Season Number

9.1.12 Effluent Trade Partner Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process an effluent trade partner transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Effluent Trade Partners. Valid Transaction Types are N (New), C (Change), R (Replace), and X (Mass Delete).	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP030	An Effluent Trade Partner already exists for the key data entered.	The Effluent Trade Partner identified by the combination of NPDES ID, Permitted Feature ID, Limit Set Designator, Parameter Code, Monitoring Location Code, Season ID, Limit Start Date, Limit End Date, Modification Effective Date (if entered), and Trade ID must not already exist in the ICIS system.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP040	An Effluent Trade Partner does not exist for the key data entered.	The Effluent Trade Partner identified by the combination of NPDES ID, Permitted Feature ID, Limit Set Designator, Parameter Code, Monitoring Location Code, Season ID, Limit Start Date, Limit End Date, Modification Effective Date (if entered), and Trade ID must exist in the ICIS system.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP050	The Effluent Trade Partner cannot be deleted because it is the only Effluent Trade Partner for a Limit that has a received DMR Adjusted Value.	If only one Effluent Trade Partner exists for the Limit, the Effluent Trade Partner cannot be deleted if one of the Limit's DMRs has a received Adjusted DMR Value entered.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
ETP060	A Limit does not exist for the key data entered.	The combination of NPDES ID, Permitted Feature ID, Limit Set Designator, Parameter Code, Monitoring Location Code, Season ID, Limit Start Date, Limit End Date, and Modification Effective Date (if entered) must exist in ICIS. Note: This business rule is not checked for Replace transactions where the Effluent Trade Partner exists in ICIS.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP070	The Effluent Trade Partner transaction contains key data and no other data for processing.	If the Effluent Trade Partner transaction contains only key data and no other data, ICIS rejects the Effluent Trade Partner transaction.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP080	The Permit has a Permit Type Code of [NPDES Master General Permit (NGP) or State Issued Master General Permit Non-NPDES (SNN)] which is invalid for an Effluent Trade Partner transaction. **Note:** • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	The Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) Note: This business rule is not checked for Replace transactions where the Effluent Trade Partner exists in ICIS.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
ETP090	Trade Partner Type must exist.	Trade Partner Type must exist for an Effluent Trade Partner in ICIS.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP100	Trade Partner Type <Trade Partner Type value> cannot be changed once it has been saved.	Trade Partner Type cannot be changed once it has been saved. Note: This business rule is not checked for Replace transactions where the Effluent Trade Partner does not exist in ICIS.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP110	Trade Partner Type <Trade Partner Type value> does not exist or is inactive in the ICIS reference table.	Trade Partner Type must be a valid (i.e. Active) code in the REF_TRADE_PARTNER_TYPE table. Note: This business rule is not checked for Replace transactions where the Effluent Trade Partner exists in ICIS.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP120	Trade Partner Start Date must exist.	Trade Partner Start Date must exist for an Effluent Trade Partner in ICIS.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
ETP130	Trade Partner End Date <Trade Partner End Date value> must be greater than Trade Partner Start Date <Trade Partner Start Date value>.	If Trade Partner End Date is entered, it must be greater than Trade Partner Start Date.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP140	Trade Partner NPDES ID <Trade Partner NPDES ID value> does not exist in ICIS.	If Trade Partner NPDES ID is entered it must exist in ICIS.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP150	Trade Partner NPDES ID <Trade Partner NPDES ID value> cannot be equal to the Permit Identifier.	Trade Partner NPDES ID cannot be equal to the NPDES ID of the Effluent Trade Partner submitted.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP160	Trade Partner NPDES ID must exist because Trade Partner Type = PS (Point Source).	If Trade Partner Type = Point Source, Trade Partner NPDES ID must exist.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
ETP170	Trade Partner Other ID must not exist because Trade Partner Type = PS (Point Source).	If Trade Partner Type = Point Source, Trade Partner Other ID must be blank.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP180	Either Trade Partner NPDES ID or Trade Partner Other ID must exist because Trade Partner Type = NPS (Non-Point Source).	If Trade Partner Type = Non-Point Source, either Trade Partner NPDES ID or Trade Partner Other ID must exist.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP190	Trade Partner NPDES ID and Trade Partner Other ID cannot both exist when Trade Partner Type = NPS (Non-Point Source).	If Trade Partner Type = Non-Point Source both Trade Partner NPDES ID and Trade Partner Other ID cannot exist.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
ETP210	The following fields must exist because Trade Partner Type = NPS (Non-Point Source) and Trade Partner Other ID exists: (Organization Formal Name, Location Name, Mailing Address Text, Mailing Address City Name, Mailing Address State Code, and Mailing Address Zip Code). **Note:** • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	If Trade Partner Type = Non-Point Source and Trade Partner Other ID exists, the following fields must also exist: • Organization Formal Name • Location Name • Street Address • City • State • Zip Code	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP220	Trade Partner Other ID must exist because Trade Partner Type = BNK (Bank).	If Trade Partner Type = Bank, Trade Partner Other ID must exist.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP230	Trade Partner NPDES ID must not exist because Trade Partner Type = BNK (Bank).	If Trade Partner Type = Bank, Trade Partner NPDES ID must be blank.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
ETP240	Mailing Address State Code <Mailing Address State Code value> does not exist or is inactive in the ICIS reference table.	State must be a valid (i.e. Active) code in the REF_STATE table.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP250	Mailing Address Country Code <Mailing Address Country Code value> does not exist or is inactive in the ICIS reference table.	Country must be a valid (i.e. Active) code in the REF_COUNTRY table.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP260	Telephone Number Type Code <Telephone Number Type Code value> is not a valid type of Trade Partner Address Phone Number. The valid types are OFF, FAX, and ALT. . Note: This error message will be issued for each occurrence of a phone number that encounters this error.	If Telephone Number Type Code is entered, it must be one of the following codes in the REF_PHONE_TYPE table: • OFF • FAX • ALT	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP270	Telephone Number or Telephone Extension Number must exist because Telephone Number Type Code exists.	At least one of the following must exist because Telephone Number Type Code exists: • Telephone Number • Extension	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
ETP280	The Telephone Number Type Code <Telephone Number Type Code value> cannot be entered more than once.	For each unique Trading Partner Telephone, only one of each Telephone Number Type Code can be entered (i.e., only 1 OFF, only 1 FAX, and only 1 ALT).	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID
ETP290	Warning: Telephone Extension Number is not a valid tag for Telephone Number Type Code <Telephone Number Type Code value>. The Telephone Extension Number <Telephone Extension Number value> was not saved. . Note: This warning message will be issued once for each occurrence of a phone number that encounters this issue.	Telephone Number Extension can only be entered for Telephone Number of Type OFF. If it is entered for one of the other types a warning message will be issued and the data in the Extension Number will not be saved.	Reject entire Effluent Trade Partner transaction	Permit Identifier, Permitted Feature Identifier, Parameter Code, Monitoring Site Description Code, Limit Season Number, Limit Start Date, Limit End Date, Trade ID

9.1.13 Narrative Condition and Permit Schedule Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a narrative condition or permit schedule transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>. Note: • In the message above, all modules that may have this error are listed in parentheses. Only the module for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	Transaction Type must be valid for Narrative Conditions and Permit Schedules. Valid Transaction Types are R (Replace) and X (Mass Delete).	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
BAT020	User <ID value> does not have privileges to perform a <Transaction Type value> <Submission Type value> transaction. Note: • In the message above, all modules that may have this error are listed in parentheses. Only the module for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC030	A Permit does not exist for the key data entered.	For a Narrative Condition and Permit Schedule transaction, the NPDES ID submitted must exist in ICIS. Note: This business rule is not checked for Replace transactions where the Narrative Condition or Permit Schedule exists in ICIS.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC040	The Permit has a Permit Type of Unpermitted Facility. An Unpermitted Facility cannot have Narrative Conditions and Permit Schedules.	For a Narrative Condition and Permit Schedule transaction, the Permit Type for the Permit identified by the NPDES ID cannot be Unpermitted Facility. Note: This business rule is not checked for Replace transactions where the Narrative Condition or Permit Schedule exists in ICIS.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
NC150	Narrative Condition Code must exist for a Narrative Condition.	Narrative Condition Description must exist for a Narrative Condition.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC050	Narrative Condition Code <Narrative Condition Code value> does not exist or is inactive in the ICIS reference table.	Narrative Condition Description must be a valid (i.e., Active) code in the REF_NARRATIVE_CONDITION table.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC060	A Narrative Condition or Permit Schedule does not exist for the key data entered. Note: • In the message above, all modules that may have this error are listed in parentheses. Only the modules for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	For a Narrative Condition and Permit Schedule transaction, the Narrative Condition or Permit Schedule identified by the combination of NPDES ID and Narrative Condition Number submitted must exist in ICIS.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC160	The Schedule Event <Schedule Event Code value, Schedule Date value> must be unique for the Permit Schedule. Note: This error message is only issued once for duplicate Schedule Events.	For each Permit Schedule, the combination of Schedule Event and Schedule Date must be unique.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC070	For Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Event Code does not exist or is inactive in the ICIS reference table.	Schedule Event must be a valid (i.e., Active) code in the REF_SCHEDULE_EVENT table.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC080	For Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Date must be greater than or equal to the Permit Effective Date <Permit Effective Date value>.	Schedule Date must be greater than or equal to the Permit Effective Date (if Permit Effective Date exists for that version of the permit).	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
NC090	For Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Report Received Date must exist because Schedule Actual Date <Schedule Actual Date value> exists.	Report Received Date must exist if Actual Date exists.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC100	For Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Report Received Date <Schedule Report Received Date value> must be greater than or equal to Schedule Actual Date <Schedule Actual Date value>.	Report Received Date must be greater than or equal to Actual Date (if Actual Date exists).	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC110	For Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Report Received Date <Schedule Report Received Date value> must be less than or equal to the current date.	Report Received Date must be less than or equal to the current date.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC120	For Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Actual Date <Schedule Actual Date value> must be less than or equal to the current date.	Actual Date must be less than or equal to the current date.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number
NC130	For Schedule Event <Schedule Event Code value, Schedule Date value>, the following data cannot be entered because the Permit has a Permit Type of (NPDES Master General Permit or State Issued Master General Permit Non-NPDES): (Schedule Report Received Date, Schedule Actual Date, and Schedule Projected Date). Note: • In the message above, all Permit Types that may have this error are listed in brackets and all XML tags that may have this error are listed in parentheses. Only the items for which this error occurs will be included in the actual error message. • Brackets and parentheses will not display in the error messages; they just indicate that the message is dynamic.	The following data cannot be submitted for a Permit Schedule when the Permit Type of the Permit identified by the NPDES ID is a NPDES Master General Permit or a State Issued Master General Permit (Non-NPDES): • Report Received Date • Actual Date • Projected Date.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
NC140	An error has occurred while processing data for this Permit Schedule, no data was saved for this Narrative Condition, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully for a Permit Schedule transaction, roll back all changes for the XML transaction.	Reject entire Narrative Condition and Permit Schedule transaction	Permit Identifier Narrative Condition Number

9.1.14 Historical Permit Schedule Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process an historical permit schedule transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Historical Permit Schedule Events. Valid Transaction Type is C (Change).	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate
BAT020	User <ID value> does not have privileges to perform a <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
HPS030	The Permit has a Permit Type of [NPDES Master General Permit (NGP) or State Issued Master General Permit Non-NPDES (SNN)] which is invalid for a Historical Permit Schedule Events. Note: • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a Historical Permit Schedule Events transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) • Unpermitted Facility.	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate
HPS040	The combination of Permit Identifier, Permit Effective Date, Narrative Condition, and Schedule Event must already exist in ICIS.	The combination of NPDES ID <value>, Permit Effective Date <date>, Narrative Condition Number <number>, Schedule Event Code <code>, and Schedule Date <date> must exist in ICIS.	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate
HPS050	The combination of <Permit Identifier, Permit Effective Date value, Narrative Condition Number value, Schedule Event Code value, and Schedule Date value> must be unique. Note: This error message is only issued once for duplicate combinations.	The combination of NPDES ID <value>, Permit Effective Date <date>, Narrative Condition Number <number>, Schedule Event Code <code>, and Schedule Date <date> must be unique.	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate
HPS060	The Historical Permit Schedule Event transaction contains key data and no other data for processing.	If the Historical Permit Schedule Event transaction contains only key data and no other data, ICIS rejects the transaction.	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate
HPS070	Schedule Report Received Date must exist because Schedule Actual Date exists.	Report Received Date must exist if Actual Date exists.	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
HPS080	Schedule Report Received Date <Schedule Report Received Date value> must be greater than or equal to Schedule Actual Date <Schedule Actual Date value>.	Report Received Date must be greater than or equal to Actual Date (if Actual Date exists).	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate
HPS090	Schedule Report Received Date <Schedule Report Received Date value> must be less than or equal to the current date.	Report Received Date must be less than or equal to the current date <current date value>.	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate
HPS100	Schedule Actual Date <Schedule Actual Date value> must be less than or equal to the current date.	Actual Date must be less than or equal to the current date <current date value>.	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate
HPS110	An error has occurred while processing data for this Permit Schedule, no data was saved for this Narrative Condition, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully for a Historical Permit Schedule Event transaction, roll back all changes for the XML transaction.	Reject entire Historical Schedule Event transaction	Permit Identifier, PermitEffectiveDate, NarrativeConditionNumber, ScheduleEventCode, ScheduleDate

9.1.15 Permit Tracking Event Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a permit tracking event transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Permit Tracking Events. Valid Transaction Types are N (New), C (Change), R (Replace), and X (Mass Delete).	Reject entire Permit Tracking Event transaction	Permit Identifier Permit Tracking Event Code Permit Tracking Event Date
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Permit Tracking Event transaction	Permit Identifier Permit Tracking Event Code Permit Tracking Event Date
PTE030	A Permit Tracking Event already exists for the key data entered.	For a Permit Tracking Event transaction, the Permit Tracking Event identified by the combination of NPDES ID, Permit Tracking Event Code, and Permit Tracking Event Date must not already exist in ICIS.	Reject entire Permit Tracking Event transaction	Permit Identifier Permit Tracking Event Code Permit Tracking Event Date
PTE040	A Permit Tracking Event does not exist for the key data entered.	The combination of NPDES ID, Permit Tracking Event Code, and Permit Tracking Event Date submitted must exist in ICIS.	Reject entire Permit Tracking Event transaction	Permit Identifier Permit Tracking Event Code Permit Tracking Event Date
PTE050	A permit does not exist for the key data entered.	For a Permit Tracking Event transaction, the NPDES ID submitted must exist in ICIS. Note: This business rule is not checked for Replace transactions where the Permit Tracking Event exists in ICIS	Reject entire Permit Tracking Event transaction	Permit Identifier Permit Tracking Event Code Permit Tracking Event Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PTE060	The Permit Tracking Event cannot be added because it is a system generated Permit Tracking Event.	Only Manual Permit Tracking Events can be added by the user. Note: Manual status is indicated by an "M' in the SYSTEM_GENERATED_FLAG column of the REF_PERM_TRACK_EVENT table. Note: This business rule is not checked for Replace transactions where the Permit Tracking Event exists in ICIS	Reject entire Permit Tracking Event transaction	Permit Identifier Permit Tracking Event Code Permit Tracking Event Date
PTE070	The Permit Tracking Event cannot be deleted because it is a system generated Permit Tracking Event.	Only Manual Permit Tracking Events can be deleted by the user. Note: Manual status is indicated by an "M' in the SYSTEM_GENERATED_FLAG column of the REF_PERM_TRACK_EVENT table.	Reject entire Permit Tracking Event transaction	Permit Identifier Permit Tracking Event Code Permit Tracking Event Date
PTE080	The Permit has a Permit Type of Unpermitted Facility. An Unpermitted Facility cannot have Permit Tracking Events.	The Permit Type for the Permit identified by the NPDES ID cannot be Unpermitted Facility. Note: This business rule is not checked for Replace transactions where the Permit Tracking Event exists in ICIS	Reject entire Permit Tracking Event transaction	Permit Identifier Permit Tracking Event Code Permit Tracking Event Date
PTE090	The Permit Tracking Event only contains key data and no other data for processing.	If the Permit Tracking Event contains key data and no other data (i.e. Permit Tracking Event Comments), ICIS rejects the Permit Tracking Event transaction.	Reject entire Permit Tracking Event transaction	Permit Identifier
PTE100	Permit Tracking Event Code <Permit Tracking Event Code value> does not exist or is inactive in the ICIS reference table.	Permit Tracking Event Code must be a valid (i.e., Active) code in the REF_PERM_TRACK_EVENT table. Note: This business rule is not checked for Replace transactions where the Permit Tracking Event exists in ICIS	Reject entire Permit Tracking Event transaction	Permit Identifier Permit Tracking Event Code Permit Tracking Event Date

9.1.16 Permit Reissuance Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a permit reissuance transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Permit Reissuance. Valid Transaction Type is C (Change). Note: If an invalid Reissuance transaction type is received, all other Reissuance transactions and permit data family transactions with the same NPDES ID will also be rejected . (See Business Rules 13 and 14 below)	Reject entire Permit Reissuance transaction	Permit Identifier
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Permit Reissuance transaction	Permit Identifier
REI030	A Permit does not exist for the key data entered.	A Permit identified by the NPDES ID must already exist in ICIS.	Reject entire Permit Reissuance transaction	Permit Identifier
REI040	The Permit cannot be reissued because the Permit Status is <Permit Status Description value> (<Permit Status Code value>).	If the NPDES ID of the Permit submitted has a Permit Type of NPDES Individual Permit, Individual IU Permit (Non-NPDES), General Permit Covered Facility, Individual State Issued Permit (Non-NPDES), or Associated Permit Record, it can not have the following Permit Status: • Not Needed • Pending • Terminated.	Reject entire Permit Reissuance transaction	Permit Identifier
REI040	The Permit cannot be reissued because the Permit Status is <Permit Status Description value> (<Permit Status Code value>).	If the NPDES ID of the Permit submitted is a NPDES Master General Permit or State Issued Master General Permit (Non-NPDES), it can not have the following Permit Status: • Pending • Terminated.	Reject entire Permit Reissuance transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
REI050	The Permit cannot be reissued because the Permit Type Code is Unpermitted Facility (UFT).	The NPDES ID of the Permit submitted cannot have a permit type of Unpermitted Facility.	Reject entire Permit Reissuance transaction	Permit Identifier
REI060	The Permit cannot be reissued because it already has a Reissuance in Progress.	The NPDES ID can not have a Reissuance in Progress.	Reject entire Permit Reissuance transaction	Permit Identifier
REI070	The Permit Effective Date <Permit Effective Date value> entered must be less than or equal to the current date.	The Effective Date submitted must be less than or equal to the current date.	Reject entire Permit Reissuance transaction	Permit Identifier
REI080	The Permit Issue Date <Permit Issue Date value> must be less than or equal to Permit Effective Date <Permit Effective Date value>.	The Issue Date submitted must be less than or equal to the Effective Date submitted.	Reject entire Permit Reissuance transaction	Permit Identifier
REI090	The Permit Effective Date <Permit Effective Date value> must be less than or equal to Permit Expiration Date <Permit Expiration Date value>.	The Effective Date submitted must be less than or equal to the Expiration Date submitted.	Reject entire Permit Reissuance transaction	Permit Identifier
REI100	The Permit Effective Date <Permit Effective Date value> entered must be greater than the Permit Effective Date of the current version of the permit <Permit Effective Date value of current version>.	The Effective Date submitted must be greater than the Effective Date of the current version of the permit. Note: • Web Application is not currently enforcing this rule, EPA requested this rule be enforced for ICIS Full Batch. An O&M CR needs to be submitted for the Web application. • This business rule is not checked where the ICIS Permit Dates are blank or where the Permit Type is not valid for Reissuance (Unpermitted Facility). For information on valid Permit Status and Type, please see Business Rules 4 - 6.	Reject entire Permit Reissuance transaction	Permit Identifier
REI110	The Permit Expiration Date <Permit Expiration Date value> cannot be greater than 5 years after the Permit Effective Date <Permit Effective Date value>.	The Expiration Date submitted cannot be greater than 5 years after the Effective Date submitted.	Reject entire Permit Reissuance transaction	Permit Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
REI120	The Permit cannot be reissued because multiple Reissuance transactions exist in the batch for this Permit. Note: This error message is issued for each Change Reissuance transaction that is processed by ICIS. All invalid Reissuance transaction types will receive the error message from Business Rule 1.	The NPDES ID of the Permit being Reissued cannot have another Reissuance transaction in the same batch.	Reject entire Permit Reissuance transaction	Permit Identifier
REI130	This transaction cannot be completed because the Reissuance transaction with this NPDES ID did not complete. Note: This error message only applies to all non-Reissuance transactions submitted in the same batch with the same NPDES ID as the failed Reissuance transaction.	If the Reissuance transaction does not complete successfully, reject all permit data family transactions in the batch with the same NPDES ID as the Reissuance transaction. Permit Data Families: • Permits • Permitted Features • Limit Sets • Limits • Effluent Trade Partners • Narrative Conditions • Permit Schedules • Permit Tracking Events • Permit Components	Reject entire Permit Reissuance transaction	See Technical Specification of submitted Permit-Related data for Transaction Keys
REI140	An error has occurred during Reissuance Processing. No data was saved for this Permit Reissuance, and the XML transaction must be resubmitted.	If Reissuance Processing does not complete successfully, roll back all changes for the XML transaction.	Reject entire Permit Reissuance transaction	Permit Identifier

9.1.17 Compliance Monitoring Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process an enforcement action milestone transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Compliance Monitoring. Valid Transaction Types are N (New), C (Change), R (Replace), and X (Mass Delete).	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Compliance Monitoring. Valid Transaction Types are R (Replace) and X (Mass Delete).	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date OR Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM021	The Permit Type for the Permit identified by the NPDES ID cannot be NPDES Master General Permit or State Issued Master General Permit (Non-NPDES).	The Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) Note: This business rule is not checked for Replace transactions where the Compliance Monitoring Activity exists in ICIS.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM030	A Compliance Monitoring Activity already exists for the key data entered.	A State or Federal Compliance Monitoring Activity identified by the combination of Program System Acronym, Program System Identifier, Federal Statutes, Compliance Activity Type, Compliance Monitoring Category, and Actual End Date must not already exist in ICIS.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date
CM040	A Facility Interest does not exist for the key data entered.	The Facility Interest identified by the combination of Program System Acronym and System ID entered must exist in ICIS. Note: This business rule is not checked for Replace transactions where the Compliance Monitoring Activity exists in ICIS.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM041	Permit Identifier must exist in ICIS and the first two characters must represent a valid state in the ICIS reference table.	The Facility Interest identified by the NPDES ID entered must exist in ICIS and the first two characters (i.e., State Code) of the NPDES ID must be a valid state (i.e., Active code where usage_indicator = N or B) in REF_STATE table. Note: This business rule is not checked for Replace transactions where the Inspection exists in ICIS.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM050	A Compliance Monitoring Activity does not exist for the key data entered.	The State or Federal Compliance Monitoring Activity identified by the combination of Program System Acronym, Program System Identifier, Federal Statutes, Compliance Activity Type, Compliance Monitoring Category, and Actual End Date must exist in ICIS.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM060	The Compliance Monitoring transaction contains key data and no other data for processing.	If the Compliance Monitoring transaction contains only key data and no other data, ICIS rejects the Compliance Monitoring transaction.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date
CM070	The Compliance Monitoring Activity cannot be changed or deleted because more than one Compliance Monitoring Activity with the same key data exists.	A Compliance Monitoring Activity cannot be edited or deleted if more than one State or Federal Compliance Monitoring Activity exists with the same combination of Program System Acronym, Program System Identifier, Federal Statutes, Compliance Activity Type, Compliance Monitoring Category, and Actual End Date. Note: This business rule is not checked for Replace transactions where the Compliance Monitoring Activity does not exist in ICIS.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM071	A Federal Compliance Monitoring Activity cannot be edited or deleted during a State Inspection transaction.	A Federal Compliance Monitoring Activity cannot be edited or deleted during a State Inspection transaction. Note: This business rule is not checked for Replace transactions where the Compliance Monitoring Activity does not exist in ICIS.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date
CM072	A State Compliance Monitoring Activity cannot be edited or deleted during a Federal Compliance Monitoring transaction.	A State Compliance Monitoring Activity cannot be edited or deleted during a Federal Compliance Monitoring transaction. Note: This business rule is not checked for Replace transactions where the Compliance Monitoring Activity does not exist in ICIS.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM090	Compliance Monitoring Category Code <Compliance Monitoring Category Code value> does not exist or is inactive in the ICIS reference table.	Compliance Monitoring Category must be a valid (i.e., Active) code in the REF_COMP_MONITOR_ CATEGORY table. Note: This business rule is not checked for Replace transactions where the State Inspection or Federal Compliance Monitoring Activity exists in ICIS.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM100	Federal Statute Code <Federal Statute Code value> does not exist or is inactive in the ICIS reference table.	Federal Statute must be a valid (i.e., Active) code in the REF_STATUTE table. Note: This business rule is not checked for Replace transactions where the Federal Compliance Monitoring Activity exists in ICIS.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM115	Compliance Inspection Type Code must exist for a Compliance Monitoring Activity.	Compliance Monitoring Type must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1450	The combination(s) of Federal Statute Code, Programs Code, and Law Section is not valid for a Federal Compliance Monitoring Activity.	Every combination of Federal Statue, Programs, and Law Sections must exist in the XREF_PROGRAM_LAW_SECTION table and must have an Activity_Group_Code = CMM.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM120	Compliance Inspection Type Code(s) <Compliance Inspection Type Code value 1, Compliance Inspection Type Code value 2,… Compliance Inspection Type Code value n> does not have an Activity Type Code of INS (Inspection/Evaluation), does not exist, or is inactive in the ICIS reference table.	Compliance Monitoring Type must be a valid (i.e., Active) code with an Activity_Type_Code = INS in the REF_COMP_MONITOR_TYPE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date
CM130	Compliance Inspection Type Code(s) <Compliance Inspection Type Code value 1, Compliance Inspection Type Code value 2,… Compliance Inspection Type Code value n> does not have an Activity Type Code of <Activity Type Code value>, does not exist, or is inactive in the ICIS reference table.	Compliance Monitoring Type must be a valid (i.e., Active) code with an Activity_Type_Code = <Activity Type Code submitted> in the REF_COMP_MONITOR_TYPE table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM135	Compliance Inspection Type Code(s) <Compliance Inspection Type Code value1, Compliance Inspection Type Code value 2, … Compliance Inspection Type Code value n> is not valid for the Federal Statute CWA.	Compliance Monitoring Type must be a code where STATUTE_CODE = CWA in the XREF_STATUTE_COMP_MONITOR_TYPE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date
CM140	Compliance Inspection Type Code(s) <Compliance Monitoring Type Code value1, Compliance Monitoring Type Code value 2, … Compliance Monitoring Type Code value n> does not exist in the ICIS reference table for the Federal Statute entered.	Compliance Monitoring Type must be valid for the associated Federal Statute entered by the user in the XREF_STATUTE_COMP_MONITOR_TYPE table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM150	The following Compliance Inspection Type Code(s) submitted do not belong to the same Compliance Monitoring Category submitted in the XML: <Compliance Inspection Type Code value 1, Compliance Inspection Type Code value 2, … Compliance Inspection Type Code value n>.	The Compliance Monitoring Type(s) submitted must belong to the same Compliance Monitoring Category that was submitted in the XML.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM160	Compliance Monitoring Activity Name must exist for a Federal Compliance Monitoring Inspection.	Compliance Monitoring Activity Name must exist.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM170	Compliance Monitoring Start Date must be less than or equal to the Compliance Monitoring Date <Compliance Monitoring Date value>.	Actual Start Date must be less than or equal to the Actual End Date.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM180	Compliance Monitoring Date must be less than or equal to the current date.	Actual End Date must be less than or equal to the current date. Note: This business rule is not checked for Replace transactions where the State Inspection or Federal Compliance Monitoring Activity exists in ICIS.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM190	Biomonitoring Inspection Method must exist because a Compliance Inspection Type Code = CBI (Biomonitoring) exists.	If a Compliance Monitoring Type of Biomonitoring exists, then Biomonitoring Compliance Monitoring Method must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM200	Biomonitoring Inspection Method <Biomonitoring Inspection Method value> does not exist or is inactive in the ICIS reference table.	Biomonitoring Compliance Monitoring Method must be a valid (i.e., Active) code in the REF_BIOMONITORING_METHOD table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM210	At least one Compliance Monitoring Action Reason Code must exist.	At least one Compliance Monitoring Action Reason must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM220	Compliance Monitoring Action Reason Code(s) <Compliance Monitoring Action Reason Code value 1, Compliance Monitoring Action Reason Code value 2, … Compliance Monitoring Action Reason Code value n> does not have an Activity Type Code of INS (Inspection/Evaluation), does not exist, or is inactive in the ICIS reference table.	Compliance Monitoring Action Reason must be a valid (i.e., Active) code with an Activity_Type_Code = INS in the REF_ACTIVITY_PURPOSE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM230	Compliance Monitoring Action Reason Code(s) <Compliance Monitoring Action Reason Code value 1, Compliance Monitoring Action Reason Code value 2, … Compliance Monitoring Action Reason Code value n> does not have an Activity Type Code of <Activity Type Code value>, does not exist, or is inactive in the ICIS reference table.	Compliance Monitoring Action Reason must be a valid (i.e., Active) code with an Activity_Type_Code = <Activity Type Code submitted> in the REF_ACTIVITY_PURPOSE table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM240	At least one Compliance Monitoring Agency Type Code must exist.	At least one Compliance Monitoring Agency Type must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM250	Compliance Monitoring Agency Type Code <Compliance Monitoring Agency Type Code value 1, Compliance Monitoring Agency Type Code value 2,… Compliance Monitoring Agency Type Code value n> does not have an Activity Group Code of CMM (Compliance Monitoring), does not exist, or is inactive in the ICIS reference table.	Compliance Monitoring Agency Type must be a valid (i.e., Active) code with an Activity_Group_Code = CMM in the REF_AGENCY_TYPE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM260	Compliance Monitoring Agency Code <Compliance Monitoring Agency Code value> does not exist or is inactive in the ICIS reference table.	Compliance Monitoring Agency Code must be a valid (i.e., Active) code in the REF_AGENCY table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM270	Program Code <Program Code value 1, Program Code value 2,… Program Code value n> does not have NPDES Program Flag = Y (Yes), does not exist, or is inactive in the ICIS reference table.	Programs must be a valid (i.e., Active) code with a NPDES_Program_Flag = Y in the REF_PROGRAM table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date
CM280	Program Code <Program Code value 1, Program Code value 2, … Program Code value n> does not exist or is inactive in the ICIS reference table.	Program Code must be a valid (i.e., Active) code in the REF_PROGRAM table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM290	Program Code must exist.	Program Code must exist.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM310	EPA Assistance Indicator must exist because Compliance Monitoring Agency Type Code is not EPA (U.S. EPA).	"Did EPA Assist?" must exist if any value except U.S. EPA exists for Compliance Monitoring Agency Type.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM320	Joint Inspection Reason Code must exist because State Federal Joint Indicator = J (Joint).	If "Was this a State, Federal, or Joint (State/Federal) Compliance Monitoring Activity?" = Joint, then "What was the purpose of the participation of the other party?" must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM330	Joint Inspection Reason Code <Joint Inspection Reason Code value> does not exist or is inactive in the ICIS reference table.	"If Joint, what was the purpose of the participation of the other party?" must be a valid (i.e., Active) code in the REF_JOINT_INSPECTION_PURPOSE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM340	Lead Party must exist because State Federal Joint Indicator = J (Joint).	If "Was this a State, Federal, or Joint (State/Federal) Compliance Monitoring Activity?" = Joint, then "Which party had the lead?" must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM350	Compliance Monitoring Action Outcome Code <Compliance Monitoring Action Outcome Code value> does not have an Activity Type Code of INS (Inspection/Evaluation), does not exist, or is inactive in the ICIS reference table.	Compliance Monitoring Action Outcome must be a valid (i.e., Active) code with an Activity_Type_Code = INS in the REF_ACTIVITY_OUTCOME table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date
CM360	Compliance Monitoring Action Outcome Code <Compliance Monitoring Action Outcome Code value> does not have an Activity Type Code of <Activity Type Code value>, does not exist, or is inactive in the ICIS reference table.	Compliance Monitoring Action Outcome must be a valid (i.e., Active) code with an Activity_Type_Code = <Activity Type Code submitted> in the REF_ACTIVITY_OUTCOME table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM370	Inspection Rating Code <Inspection Rating Code value> does not exist or is inactive in the ICIS reference table.	Compliance Monitoring Rating Code must be a valid (i.e., Active) code in the REF_INSP_RATING table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM380	National Priorities Code <National Priorities Code value 1, National Priorities Code value 2, … National Priorities Code value n> does not have a Region Code of HQ (Headquarters), does not exist, or is inactive in the ICIS reference table.	OECA National Priority must be a valid (i.e., Active) code with a Region_Code = HQ in the REF_PRIORITY table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM385	Federal Facility Indicator < Federal Facility Indicator value> is not valid for Compliance Monitoring Activities, does not exist, or is inactive in the ICIS reference table.	Federal Facility Activity must be a valid (i.e., Active) code with a Cross_Media_Indicator_Type = FFI in the REF_CROSS_MEDIA_INDICATOR table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
GC010	The Government Contact(s) identified by Electronic Address Text <Electronic Address Text value 1, Electronic Address Text value 2, …Electronic Address Text value n> does not exist in ICIS.	The Government Contact identified by Email Address must exist in ICIS.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
GC020	Affiliation Type Text <Affiliation Type Text value 1, …Affiliation Type Text value 2, Affiliation Type Text value n> does not have an Affiliation Category of Government, does not exist, or is inactive in the ICIS reference table.	For Government Contact, the Affiliation Type must be a valid (i.e., Active) code with an Affiliation_Category = Government in the REF_AFFILIATION_TYPE table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
GC030	Affiliation Type Text <Affiliation Type Text value 1, Affiliation Type Text value 2, … Affiliation Type Text value n> is not valid for <Submission Type value>.	For Government Contact, the Affiliation Type must have an App_Module_Code = IPN (Inspections) in the XREF_AFFILIATION_MODULE table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
GC050	For one or more Government Contacts, both asterisks and values were entered in the required tags. The required tags must contain either all asterisks or all values.	Asterisks must be entered in all required tags to blank out all Government Contacts. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM400	Compliance Monitoring Planned Start Date must be less than or equal to the Compliance Monitoring Planned End Date.	Planned Start Date must be less than or equal to the Planned End Date.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM420	EPA Region <EPA Region value> does not exist, or is inactive in the ICIS reference table.	Region must be a valid (i.e., Active) code in the REF_REGION table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM421	A Regional user cannot change the EPA Region.	If the user has a Data Access Level of Regional, then the Region cannot be changed. Note: This business rule is not checked for Replace transactions where the Compliance Monitoring Activity does not exist in ICIS.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM440	Law Section must exist.	Law Section must exist.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM450	Law Section Code(s) <Law Section Code value 1, Law Section Code value 2,… Law Section Code value n>, does not exist, or is inactive in the ICIS reference table for the Federal Statute Code.	The combination of Law Section and Federal Statute must represent a valid (i.e., Active) code in the REF_LAW_SECTION table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM470	Media Monitored <Media Monitored value> does not exist or is inactive in the ICIS reference table.	Media Monitored must be a valid (i.e., Active) code in the REF_MEDIA table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM480	Regional Priority Code <Regional Priorities Code value 1, Regional Priorities Code value 2, Regional Priorities Code value n> does not have a Region Code of <EPA Region Code Value>, does not exist, or is inactive in the ICIS reference table.	If Region does not = HQ, then Regional Priority must be a valid (i.e., Active) code with a Region_Code = <Region submitted> in the REF_PRIORITY table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM490	Regional Priority Code <Regional Priority Code value 1, Regional Priority Code value 2, Regional Priority Code value n> has a Region Code of HQ, does not exist, or is inactive in the ICIS reference table.	If Region = HQ, then Regional Priority must be a valid (i.e., Active) code with a Region_Code not = HQ in the REF_PRIORITY table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM500	SIC Code <SIC Code value 1, SIC Code value 2,…SIC Code value n> does not exist or is inactive in the ICIS reference table.	SIC Code must be a valid (i.e., Active) code in the REF_SIC table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM510	NAICS Code <NAICS Code value 1, NAICS Code value 2,… NAICS Code value n> does not exist or is inactive in the ICIS reference table.	NAICS Code must be a valid (i.e., Active) code in the REF_NAICS table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM520	The following must not exist because Compliance Monitoring Activity Type Code is Investigation (INV), Information Request (INF), or Offsite Record Review (OSR): (Deficiencies Observed Indicato Deficiency Observed Code, Deficiency Communicated To Facility Indicato Facility Action Observed Indicato Corrective Action Code, Air Pollutant Code and/or Water Pollutant Code, National Policy General Assistance Indicato National Policy Site Specific Assistance Indicator).	The following fields cannot exist if the Compliance Activity Type = Investigation (INV), Information Request (INF), or Offsite Record Review (OSR): • Did you observe deficiencies (potential violations) during the on-site Inspection • Deficiencies observed • If you observed deficiencies, did you communicate the deficiencies? • Did you observe the Facility take any actions during the inspection to address the deficiencies noted? • If yes, what actions were taken? • Water Pollutants • Air Pollutants • Did you provide general Compliance Assistance in accordance with the policy on the role of the EPA Inspector in providing Compliance Assistance during inspections? • Did you provide site-specific Compliance Assistance in accordance with the policy on the role of the EPA Inspector in providing Compliance Assistance during the Inspection?	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM530	The following must exist because Deficiencies Observed Indicator = Y (Yes): (Deficiencies Observed Code, Deficiency Communicated To Facility Indicator).	If 'Did you observe deficiencies (potential violations) during the on-site Inspection' = Yes, the following fields must exist: • Deficiencies observed • If you observed deficiencies, did you communicate the deficiencies to the Facility during the Inspection?	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM540	The following cannot exist because Deficiencies Observed Indicator = N (No): (Deficiencies Observed Code, Deficiency Communicated To Facility Indicato Facility Action Observed Indicato Corrective Action Code, Air Pollutant Code and/or Water Pollutant Code).	If 'Did you observe deficiencies (potential violations) during the on-site Inspection' = No, the following fields cannot exist: • Deficiencies observed • If you observed deficiencies, did you communicate the deficiencies to the Facility during the Inspection? • Did you observe the Facility take any actions during the inspection to address the deficiencies noted? • If yes, what actions were taken? • Water Pollutants • Air Pollutants	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM550	Deficiencies Observed Code(s) <Deficiencies Observed Code value 1, Deficiencies Observed Code value 2,… Deficiencies Observed Code value n>, does not exist, or is inactive in the ICIS reference table.	Deficiencies observed must be a valid (i.e., Active) code in the REF_DEFICIENCY table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM560	Facility Action Observed Indicator must exist because Deficiency Communicated To Facility Indicator = Y (Yes).	If 'If you observed deficiencies, did you communicate the deficiencies to the Facility during the Inspection?' = Yes, 'Did you observe the Facility take any actions during the inspection to address the deficiencies noted?' must exist.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM570	The following cannot exist because Deficiency Communicated To Facility Indicator = N (No): (Facility Action Observed Indicato Corrective Action Code, Air Pollutant Code and/or Water Pollutant Code).	If 'If you observed deficiencies, did you communicate the deficiencies to the Facility during the Inspection?' = No, the following fields cannot exist: • Did you observe the Facility take any actions during the inspection to address the deficiencies noted? • If yes, what actions were taken? • Water Pollutants • Air Pollutants	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM580	Corrective Action Code must exist because Facility Action Observed Indicator = Y (Yes)	If 'Did you observe the Facility take any actions during the inspection to address the deficiencies noted?' = Yes, 'If yes, what actions were taken' must exist.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM590	The following cannot exist because Facility Action Observed Indicator = N (No): (Corrective Action Code, Air Pollutant Code and/or Water Pollutant Code).	If 'Did you observe the Facility take any actions during the inspection to address the deficiencies noted?' = No, the following fields cannot exist: • If yes, what actions were taken? • Water Pollutants • Air Pollutants	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM600	Corrective Action Code <Corrective Action Code value 1, Corrective Action Code value 2, Corrective Action Code value n> does not have an Activity Group Code of CMM (Compliance Monitoring), does not exist, or is inactive in the ICIS reference table.	'If yes, what actions were taken?' must be a valid (i.e., Active) code with Activity_Group_Code = CMM in the REF_CORRECTIVE_ACTION table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM610	Air Pollutant Code <Air Pollutant Code value 1, Air Pollutant Code value 2, … Air Pollutant Code value n> does not have a Pollutant Category Code of Ai does not exist, or is inactive in the ICIS reference table.	Air Pollutants must be a valid (i.e., Active) code with Pollutant_Category_Code = AIR in the REF_POLLUTANT table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM620	Water Pollutant Code <Water Pollutant Code value 1, Water Pollutant Code value 2, … Water Pollutant Code value n> does not have a Pollutant Category Code of WT does not exist, or is inactive in the ICIS reference table.	Water Pollutants must be a valid (i.e., Active) code with Pollutant_Category_Code = WTR in the REF_POLLUTANT table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM630	Either Water Pollutant Code or Air Pollutant Code must exist because Corrective Action Code = 1 (Reduced Pollution) or Corrective Action Code = 10 (Reduced Pollution).	If 'If yes, what actions were taken?' = Reduced Pollution, one of the following fields must exist: • Water Pollutants • Air Pollutants	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM640	Water Pollutant Code and/or Air Pollutant Code cannot exist because Corrective Action Code exists and does not = 1 (Reduced Pollution) or does not = 10 (Reduced Pollution).	If 'If yes, what actions were taken?' exists and does not = Reduced Pollution, the following fields cannot exist: • Water Pollutants • Air Pollutants	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM650	Sub Activity Type Code <Sub Activity Type Code value 1, Sub Activity Type Code value 2,… Sub Activity Type Code value n> does not have an Activity Type Code of <Activity Type Code value>, does not exist, or is inactive in the ICIS reference table.	Sub Activity Type must be a valid (i.e., Active) code with Activity_Type_Code = <Activity Type Code submitted> in the REF_SUB_ACTIVITY_TYPE table.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM660	Sub Activity Date must be less than or equal to the current date.	Sub Activity Actual Date must be less than or equal to the current date.	Reject entire Compliance Monitoring transaction	Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM670	Program Code must = CWACAFO (NPDES - Concentrated Animal Feeding Operations) because CAFO Special Regulatory Program data exist.	If any CAFO Special Regulatory Program data exist, Programs must = NPDES – Concentrated Animal Feeding Operations (CAFOs).	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM680	CAFO Special Regulatory Program data must exist because Program Code = CWACAFO (NPDES - Concentrated Animal Feeding Operations).	If Programs = NPDES – Concentrated Animal Feeding Operations (CAFOs), CAFO Special Regulatory Program data must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM690	CAFO Classification Code <CAFO Classification Code value> does not exist or is inactive in the ICIS reference table.	CAFO Classification must be a valid (i.e., Active) code in the REF_CAFO_CLASSIFICATION table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM700	The following field(s) must exist because Is the Animal Facility Type CAFO Indicator = Yes: (CAFO Classification Code, CAFO Designation Date). Note: In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	If "Is the Animal Facility Type a CAFO?" = Yes, CAFO Classification and CAFO Designation Date must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM710	CAFO Designation Reason Text must exist because Is the Animal Facility Type CAFO Indicator = Y (Yes) and CAFO Classification Code = S (Small).	If "Is the Animal Facility Type a CAFO?" = Yes and CAFO Classification = Small, Designation Reason must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM720	CAFO Designation Date must be less than or equal to the current date.	If CAFO Designation Date exists, it must be less than or equal to the current date.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM730	NMP Developed Date must exist because Does the facility have an NMP Developed Certified Planner Approved Indicator = Y (Yes).	If "Does the facility have an NMP developed or approved by a certified planner?" = Yes, NMP Developed Date must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM740	NMP Developed Date must be less than or equal to the current date.	NMP Developed Date must be less than or equal to the current date.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM750	NMP Last Updated Date must be less than or equal to the current date.	NMP Last Updated Date must be less than or equal to the current date.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM760	EMS Developed Date must be less than or equal to the current date.	EMS Developed Date must be less than or equal to the current date.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM770	EMS Last Updated Date must be less than or equal to the current date.	EMS Last Updated Date must be less than or equal to the current date.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM780	Animal Type Code <Animal Type Code value 1, Animal Type Code value 2, …Animal Type Code value n> does not exist or is inactive in the ICIS reference table.	Animal Type must be a valid (i.e., Active) code in the REF_ANIMAL_TYPE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM790	Animal Type Code(s) <Animal Type Code value 1, Animal Type Code value 2, … Animal Type Code value n> must be entered only once for Animal Type values.	The Animal Type Code entered must be unique for Animal Type.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM800	Other Animal Type Name must be entered because Animal Type Code = OTH (Other).	If Animal Type = Othe Animal Type Other Description must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM810	Animal Type Code must = OTH (Other) because Other Animal Type Name exists.	If Animal Type Other Description exists, then Animal Type must = Other.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM820	Total Number Each Livestock must be entered for Animal Type Code(s) <Animal Type Code value 1, Animal Type Code value 2, …Animal Type Code value n> and be greater than zero.	For each Animal Type entered, Total Number must exist and be greater than zero.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM830	For Animal Type Code(s) <Animal Type Code value 1, Animal Type Code value 2, … Animal Type Code value n>, Open Confinement Count plus Housed Under Roof Confinement Count must = Total Number.	For each Animal Type entered, Open Confinement Count plus Housed Under Roof Confinement Count must = Total Number. Note: Either Open Confinement Count or Housed Under Roof Count may be blank provided Total Number = the sum of the values that were entered.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM840	Manure Litter Processed Wastewater Storage Type <Manure Litter Processed Wastewater Storage Type value 1, Manure Litter Processed Wastewater Storage Type value 2, … Manure Litter Processed Wastewater Storage Type value n> does not exist or is inactive in the ICIS reference table.	"Manure, Litte and Processed Wastewater Storage Type" must be a valid (i.e., Active) code in the REF_STORAGE_TYPE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM850	Manure, Litte and Processed Wastewater Storage Type(s) <Manure, Litte and Processed Wastewater Storage Type value 1, Manure, Litte and Processed Wastewater Storage Type value 2, … Manure, Litte and Processed Wastewater Storage Type value n> must be entered only once for Manure, Litte and Processed Wastewater Storage Type values.	The "Manure, Litte and Processed Wastewater Storage Type" entered must be unique for "Manure, Litte and Processed Wastewater Storage Type".	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM860	Storage Total Capacity Measure and Days of Storage must exist for Manure Litter Processed Wastewater Storage Type <Manure Litter Processed Wastewater Storage Type value 1, Manure Litter Processed Wastewater Storage Type value 2, …Manure Litter Processed Wastewater Storage Type value n>. Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	For each "Manure, Litte and Processed Wastewater Storage Type" entered, Storage Total Capacity Measure and Days of Storage must exist unless the "Manure, Litte and Processed Wastewater Storage Type" = None.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1440	The following cannot exist because Manure Litter Processed Wastewater Storage Type = None: (Storage Total Capacity Measure, Days of Storage).	If "Manure, Litte and Processed Wastewater Storage Type" = None, the following fields cannot exist: • Storage Total Capacity Measure • Days of Storage.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM870	Other Storage Type Name must be entered because Manure Litter Processed Wastewater Storage Type = OTH (Other).	If" Manure, Litte and Processed Wastewater Storage Type" = Othe "Manure, Litte and Processed Wastewater Storage Type, Other Description" must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM880	Manure Litter Processed Wastewater Storage Type must = OTH (Other) because Other Storage Type Name exists.	If "Manure, Litte and Processed Wastewater Storage Type Other Description" exists, then "Manure, Litte and Processed Wastewater Storage Type" must = Other.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM890	Containment Type Code <Containment Type Code value 1, Containment Type Code value 2, … Containment Type Code value n> does not exist or is inactive in the ICIS reference table.	Containment Type must be a valid (i.e., Active) code in the REF_CONTAINMENT_TYPE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM900	Containment Type Code(s) <Containment Type Code value 1, Containment Type Code value 2, … Containment Type Code value n> must be entered only once for Containment Type values.	The Containment Type Code entered must be unique for Containment Type.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM910	Containment Capacity Number must be entered for Containment Type Code <Containment Type Code value 1, Containment Type Code value 2, …Containment Type Code value n>.	For each Containment Type entered, Total Capacity must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM920	Other Containment Type Name must be entered because Containment Type Code = OTH (Other).	If Containment Type = Othe Containment Type Other Description must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM930	Containment Type Code must = OTH (Other) because Other Containment Type Name is entered.	If Containment Type Other Description exists, Containment Type must = Other.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM940	Land Application BMP Type Code <Land Application BMP Type Code value 1, Land Application BMP Type Code value 2, … Land Application BMP Type Code value n> does not exist or is inactive in the ICIS reference table.	Land Application BMP Type must be a valid (i.e., Active) code in the REF_BMP table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM950	Land Application BMP Type Code(s) <Land Application BMP Type Code value 1, Land Application BMP Type Code value 2, … Land Application BMP Type Code value n> must be entered only once for Land Application BMP Type values.	The Land Application BMP Type Code entered must be unique for Land Application BMP Type.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM960	Other Land Application BMP Type Name must be entered because Land Application BMP Type Code = OTH (Other).	If Land Application BMP Type = Othe Land Application BMP Type Other Description must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM970	Land Application BMP Type Code must = OTH (Other) because Other Land Application BMP Type Name is entered.	If Land Application BMP Type Other Description exists, Land Application BMP Type must = Other.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM980	CAFO Inspection Violation Type Code <CAFO Inspection Violation Type Code value 1, CAFO Inspection Violation Type Code value 2,… CAFO Inspection Violation Type Code value n> does not exist or is inactive in the ICIS reference table.	Violation Type must be a valid (i.e., Active) code in the REF_CAFO_VIOLATION_TYPE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM990	Program Code must = CWACSO (NPDES – Combined Sewer Overflows) because CSO Special Regulatory Program data exist.	If any CSO Special Regulatory Program data exist, Programs must = NPDES – Combined Sewer Overflows (CSO).	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1000	CSO Special Regulatory Program data must exist because Program Code = CWACSO (NPDES – Combined Sewer Overflows).	If Programs = NPDES – Combined Sewer Overflows (CSO), CSO Special Regulatory Program data must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1010	CSO Event Date must exist for a CSO Special Regulatory Program.	CSO Overflow Event Date must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1020	At least one of the following must be entered: Permitted Feature Identifie Latitude Measure and Longitude Measure, or CSO Overflow Location Street.	At least one of the following must exist in a CSO Special Regulatory Program: • Permitted Feature Identifier. • CSO Overflow Location Latitude and Longitude. • CSO Overflow Location Street Address.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1025	Latitude Measure <Latitude Measure value> must be greater than or equal to -90 and less than or equal to 90.	CSO Overflow Location Latitude must be greater than or equal to -90 and less than or equal to 90.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1026	Longitude Measure <Longitude Measure value> must be greater than or equal to -180 and less than or equal to 180.	CSO Overflow Longitude must be greater than or equal to -180 and less than or equal to 180.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1030	1) Latitude Measure must be entered because Longitude Measure has been entered. 2) Longitude Measure must be entered because Latitude Measure has been entered.	CSO OverflowLatitude must be entered if Longitude is entered and vice versa.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1040	The Permitted Feature Identifier <Permitted Feature Identifier value> does not exist for the Permit in ICIS.	If Permitted Feature Identifier is entered, it must exist in ICIS for the Permit identified by the NPDES ID.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1050	Program Code must = CWAPRTRT (NPDES - Pretreatment) because Pretreatment Special Regulatory Program data exist.	If any Pretreatment Special Regulatory Program data exist, Programs must = NPDES – Pretreatment.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1060	Pretreatment Special Regulatory Program data must exist because Program Code = CWAPRTRT (NPDES – Pretreatment).	If Programs = NPDES – Pretreatment, Pretreatment Special Regulatory Program data must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1070	The following cannot exist because Number of SIUs does not exist: (SIUs Without Control Mechanism, SIUs Not Inspected, SIUs Not Sampled, SIUs SNC With Pretreatment Standards, SIUs SNC With Reporting Requirement, SIUs SNC With Pretreatment Schedule, SIUs SNC Published In Newspape SIUs On Schedule, Violation Notices Issued to SIUs, Administrative Orders Issued to SIUs, Civil Suits Filed Against SIUs, Criminal Suits Filed Against SIUs). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	SIUs must exist if any of the following fields exist: • SIUs Without Control Mechanism. • SIUs Not Inspected. • SIUs Not Sampled. • SIUs in SNC with Pretreatment Standards. • SIUs in SNC with Reporting Requirements. • SIUs in SNC with Pretreatment Schedule. • SIUs in SNC Published in Newspaper. • SIUs on Schedules. • Violation Notices Issued to SIUs. • Administrative Orders Issued to SIUs. • Civil Suits Filed Against SIUs. • Criminal Suits Filed Against SIUs.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1080	The following must be less than or equal to Number of SIUs < value>: (SIUs Without Control Mechanism <value>, SIUs Not Inspected <value>, SIUs Not Sampled <value>, SIUs SNC with Pretreatment Standards <value>, SIUs SNC with Reporting Requirements <value>, SIUs SNC with Pretreatment Schedule <value>, SIUs SNC Published in Newspaper <value>, SIUs On Schedule <value>, IUs Which Penalties Have Been Collected <value>). Note: • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic.	The following fields must be less than or equal to SIUs: • SIUs Without Control Mechanism. • SIUs Not Inspected. • SIUs Not Sampled. • SIUs in SNC with Pretreatment Standards. • SIUs in SNC with Reporting Requirements. • SIUs in SNC with Pretreatment Schedule. • SIUs in SNC Published in Newspaper. • SIUs on Schedules. • Industrial Users (IUs) From Which Penalties Have Been Collected.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1090	CIUs in SNC <CIUs in SNC value> must be less than or equal to Number of CIUs <Number of CIUs value>.	CIUs in SNC must be less than or equal to CIUs.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1100	Local Limits Pollutant Code must exist because Date of Most Recent Date Adoption of Technically Based Local Limits exists.	If Date of Most Recent Adoption of Technically Based Local Limits exists, Local Limit Pollutants must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1110	Local Limits Pollutant Code <Local Limits Pollutant Code value 1, Local Limits Pollutant Code value 2,… Local Limits Pollutant Code value n> does not exist or is inactive in the ICIS reference table.	Local Limit Pollutants must be a valid (i.e. Active) code in the REF_POLLUTANT table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1120	Most Recent Date Removal Credits Approval must exist because Removal Credits Application Status Code = APP (Approved).	If the Removal Credits Application Status = Approved, Date of Most Recent Removal Credits Approval must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1130	Removal Credits Application Status Code <Removal Credits Application Status Code value> does not exist or is inactive in the ICIS reference table.	Removal Credits Application Status must be a valid (i.e. Active) code in the REF_REMOVAL_STATUS table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1140	Removal Credits Pollutant Code must exist because Date of Most Recent Date Removal Credits Approval exists.	If Date of Most Recent Removal Credits Approval exists, Removal Credits must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1150	Removal Credits Pollutant Code <Removal Credits Pollutant Code value 1, Removal Credits Pollutant Code value 2,… Removal Credits Pollutant Code value n> does not exist or is inactive in the ICIS reference table.	Removal Credits must be a valid (i.e. Active) code in the REF_POLLUTANT table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1160	Program Code must = CWASSO (NPDES – Sanitary Sewer Overflow) because SSO Special Regulatory Program data exist.	If any SSO Special Regulatory Program data exist, Programs must = NPDES – Sanitary Sewer Overflow (SSO).	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1170	SSO Special Regulatory Program data must exist because Program Code = CWASSO (NPDES – Sanitary Sewer Overflow).	If Programs = NPDES – Sanitary Sewer Overflow (SSO), SSO Special Regulatory Program data must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1180	SSO Event Date must exist for an SSO Special Regulatory Program.	SSO Event Date must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1190	SSO Event Date must be less than or equal to the current date.	SSO Event Date must be less than or equal to the current date.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1195	Duration SSO Overflow Event must be either an integer or a decimal entered in 15 minute increments (i.e., .0, .00, .25, .5, .50, .75).	Duration of Event must be either an integer or a decimal indicating 15 minute increments (i.e., .0, .00, .25, .5, .50, .75).	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1210	Impact of SSO Event <Impact of SSO Event value 1, Impact of SSO Event value 2,… Impact of SSO Event value n> does not exist or is inactive in the ICIS reference table.	Impact of SSO Event must be a valid (i.e. Active) code in the REF_SSO_IMPACT table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1220	System Component <System Component value 1, System Component value 2,… System Component value n> does not exist or is inactive in the ICIS reference table.	System Component must be a valid (i.e. Active) code in the REF_SYSTEM_COMPONENT table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1221	System Component <System Component value 1, System Component value 2, … System Component value n> must be entered only once for SSO System Component values.	The System Component entered must be unique for SSO System Component.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1230	Other System Component must exist because System Component = O (Other).	If System Component = Othe Other System Component must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1240	System Component must = O (Other) because Other System Component exists.	If Other System Component exists, then System Component must = Other.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1250	Other Steps Reduce Prevent Mitigate must exist because Steps Reduce Prevent Mitigate = O (Other).	If “Steps Reduce, Prevent, Mitigate” = Other then “Other Steps Reduce, Prevent, Mitigate” must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1260	Steps Reduce Prevent Mitigate <Steps Reduce Prevent Mitigate value 1, Steps Reduce Prevent Mitigate value 2,… Steps Reduce Prevent Mitigate value n> does not exist or is inactive in the ICIS reference table.	Steps Reduce, Prevent, Mitigate must be a valid (i.e. Active) code in the REF_SSO_REACTION table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1261	Steps Reduce Prevent Mitigate <Steps Reduce Prevent Mitigate value 1, Steps Reduce Prevent Mitigate value 2, … Steps Reduce Prevent Mitigate value n> must be entered only once for SSO Steps values.	Steps to Reduce, Prevent, Mitigate entered must be unique for SSO Steps.		

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1270	Steps to Reduce Prevent Mitigate must = O (Other) because Other Steps Reduce Prevent Mitigate exists.	If “Other Steps Reduce, Prevent, Mitigate” exists, then “Steps Reduce, Prevent, Mitigate” must = Other.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1275	At least one of the following must be entered: Latitude Measure and Longitude Measure, or SSO Overflow Location Street.	At least one of the following must exist in a SSO Special Regulatory Program: • SSO Overflow Location Latitude and Longitude. SSO Overflow Location Street Address.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1276	Latitude Measure <Latitude Measure value> must be greater than or equal to -90 and less than or equal to 90.	SSO Overflow Location Latitude must be greater than or equal to -90 and less than or equal to 90.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1277	Longitude Measure <Longitude Measure value> must be greater than or equal to -180 and less than or equal to 180.	SSO Overflow Location Longitude must be greater than or equal to -180 and less than or equal to 180.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1280	1) Latitude Measure must be entered because Longitude Measure has been entered. 2) Longitude Measure must be entered because Latitude Measure has been entered.	SSO Overflow Location Latitude must be entered if Longitude is entered and vice versa.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1290	Program Code must = CWASTMC (NPDES – Stormwater - Construction) and/or CWASTMN (NPDES – Stormwater – Non-Construction) because Storm Water Non-Municipal Special Regulatory Program data exist.	If any Storm Water Non-Municipal Special Regulatory Program data exist, at least one of the following must exist for Programs: • NPDES – Stormwater – Construction • NPDES – Stormwater – Non-Construction.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1300	Storm Water Non-Municipal Special Regulatory Program data must exist because Program Code = CWASTMC (NPDES – Stormwater - Construction) and/or CWASTMN (NPDES – Stormwater – Non-Construction).	If Programs = NPDES – Stormwater – Construction or NPDES – Stormwater – Non-Construction, Storm Water Non-Municipal Special Regulatory Program data must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1310	Project Type Code <Project Type Code value> does not exist or is inactive in the ICIS reference table.	Project Type must be a valid (i.e., Active) code in the REF_PROJECT_TYPE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1320	Project Type Code Other Description must be entered because Project Type Code = OTH (Other).	If Project Type = Othe Project Type Other Description must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1330	Project Type Code must = OTH (Other) because Project Type Code Other Description is entered.	If Project Type Other Description exists, Project Type must = Other.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1340	Project Plan Size Code <Project Plan Size Code value> does not exist or is inactive in the ICIS reference table.	Project Plan Size must be a valid (i.e., Active) code in the REF_PROJECT_PLAN_SIZE table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1345	SWPPP Evaluation Basis Code < SWPPP Evaluation Basis Code value> does not exist or is inactive in the ICIS reference table.	SWPPP Evaluation Basis must be a valid (i.e., Active) code in the REF_SWPPP_EVAL_BASIS table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1350	Program Code must = CWASTMM (NPDES – Stormwater – MS4) because Storm Water Municipal Special Regulatory Program data exist.	If any Storm Water Municipal Special Regulatory Program data exist, Programs must = NPDES – Stormwater – MS4.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1360	Storm Water Municipal Special Regulatory Program data must exist because Program Code = CWASTMM (NPDES – Stormwater – MS4).	If Programs = NPDES – Stormwater – MS4, Storm Water Municipal Special Regulatory Program data must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1370	Projected Sources of Funding Code <Projected Sources of Funding Code value 1, Projected Sources of Funding Code value 2,… Projected Sources of Funding Code value n> does not exist or is inactive in the ICIS reference table.	Projected Sources of Funding must be a valid (i.e., Active) code in the REF_SOURCE_FUNDING table.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CM1380	Major Outfall Estimated Measure Indicator must be entered because the Major Outfall Number is greater than 0.	If Number of Major MS4 Outfalls > 0, Major Outfalls Estimated/Measured must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1390	Minor Outfall Estimated Measure Indicator must be entered because the Minor Outfall Number is greater than 0.	If Number of Minor MS4 Outfalls > 0, Minor Outfalls Estimated/Measured must exist.	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date Program System Acronym, Program System Identifier Federal Statute Code, Compliance Monitoring Activity Type Code, Compliance Monitoring Category Code, Compliance Monitoring Date
CM1460	The following Program Code(s) cannot be removed because they represent Special Regulatory Program(s): <Program Code value 1, Program Code value 2,… Program Code value n>.	The following Programs cannot be removed because they represent Special Regulatory Programs: • NPDES - Concentrated Animal Feeding Operations (CAFOs) • NPDES – Combined Sewer Overflows (CSO) • NPDES – Pretreatment • NPDES – Sanitary Sewer Overflow (SSO) • NPDES – Stormwater – Construction • NPDES – Stormwater – Non-Construction NPDES – Stormwater – MS4	Reject entire Compliance Monitoring transaction	Permit Identifier Compliance Monitoring Category Code, Compliance Monitoring Date

9.1.18 Compliance Monitoring Linkage Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a compliance monitoring linkage transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Compliance Monitoring Linkages. Valid Transaction Types are X (Mass Delete) and R (Replace).	Reject entire Compliance Monitoring Linkage transaction	PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate And PermitIdentifier, SingleEventViolationCode, SingleEventViolationDate Or EnforcementActionIdentifier Or PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier, PermittingAuthorityReportReceivedDate Or PermitIdentifier, CSOEventDate, CSOEventID Or PermitIdentifier, PretreatmentPerformanceSummaryEndDate Or PermitIdentifier, SSOAnnualReportReceivedDate Or PermitIdentifier, SSOMonthlyReportReceivedDate Or PermitIdentifier, SSOEventDate, SSOEventId Or PermitIdentifier, DateStormEventSampled, StormWaterEventID Or PermitIdentifier, StormWaterMS4ReportReceivedDate Or PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate Or ProgramSystemAcronym, ProgramSystemIdentifier, FederalStatuteCode, ComplianceMonitoringActivityTypeCode, ComplianceMonitoringCategoryCode, ComplianceMonitoringDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Compliance Monitoring Linkage transaction	PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate And PermitIdentifier, SingleEventViolationCode, SingleEventViolationDate Or EnforcementActionIdentifier Or PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier, PermittingAuthorityReportReceivedDate Or PermitIdentifier, CSOEventDate, CSOEventID Or PermitIdentifier, PretreatmentPerformanceSummaryEndDate Or PermitIdentifier, SSOAnnualReportReceivedDate Or PermitIdentifier, SSOMonthlyReportReceivedDate Or PermitIdentifier, SSOEventDate, SSOEventId Or PermitIdentifier, DateStormEventSampled, StormWaterEventID Or PermitIdentifier, StormWaterMS4ReportReceivedDate Or PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate Or ProgramSystemAcronym, ProgramSystemIdentifier, FederalStatuteCode, ComplianceMonitoringActivityTypeCode, ComplianceMonitoringCategoryCode, ComplianceMonitoringDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CML030	The source State Inspection does not exist for the key data entered.	The source State Inspection identified by the combination of Program System Acronym, Program System Identifier, Federal Statutes, Compliance Activity Type, Compliance Monitoring Category, and Actual End Date must exist in ICIS.	Reject entire Compliance Monitoring Linkage transaction	PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate And PermitIdentifier, SingleEventViolationCode, SingleEventViolationDate Or EnforcementActionIdentifier Or PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier, PermittingAuthorityReportReceivedDate Or PermitIdentifier, CSOEventDate, CSOEventID Or PermitIdentifier, PretreatmentPerformanceSummaryEndDate Or PermitIdentifier, SSOAnnualReportReceivedDate Or PermitIdentifier, SSOMonthlyReportReceivedDate Or PermitIdentifier, SSOEventDate, SSOEventId Or PermitIdentifier, DateStormEventSampled, StormWaterEventID Or PermitIdentifier, StormWaterMS4ReportReceivedDate Or PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate Or ProgramSystemAcronym, ProgramSystemIdentifier, FederalStatuteCode, ComplianceMonitoringActivityTypeCode, ComplianceMonitoringCategoryCode, ComplianceMonitoringDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CML040	More than one source State Inspection exists for the key data entered.	More than one source State Inspection must not exists with the same combination of Program System Acronym, Program System Identifier, Federal Statutes, Compliance Activity Type, Compliance Monitoring Category, and Actual End Date.	Reject entire Compliance Monitoring Linkage transaction	PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate And PermitIdentifier, SingleEventViolationCode, SingleEventViolationDate Or EnforcementActionIdentifier Or PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier, PermittingAuthorityReportReceivedDate Or PermitIdentifier, CSOEventDate, CSOEventID Or PermitIdentifier, PretreatmentPerformanceSummaryEndDate Or PermitIdentifier, SSOAnnualReportReceivedDate Or PermitIdentifier, SSOMonthlyReportReceivedDate Or PermitIdentifier, SSOEventDate, SSOEventId Or PermitIdentifier, DateStormEventSampled, StormWaterEventID Or PermitIdentifier, StormWaterMS4ReportReceivedDate Or PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate Or ProgramSystemAcronym, ProgramSystemIdentifier, FederalStatuteCode, ComplianceMonitoringActivityTypeCode, ComplianceMonitoringCategoryCode, ComplianceMonitoringDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CML050	A record does not exist in ICIS for the target record keys submitted.	A record must exist in ICIS for the target record keys submitted. Note: the Enforcement Action record can be either a State or Federal Enforcement Action and can be either an Informal or Formal Enforcement Action.	Reject entire Compliance Monitoring Linkage transaction	PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate And PermitIdentifier, SingleEventViolationCode, SingleEventViolationDate Or EnforcementActionIdentifier Or PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier, PermittingAuthorityReportReceivedDate Or PermitIdentifier, CSOEventDate, CSOEventID Or PermitIdentifier, PretreatmentPerformanceSummaryEndDate Or PermitIdentifier, SSOAnnualReportReceivedDate Or PermitIdentifier, SSOMonthlyReportReceivedDate Or PermitIdentifier, SSOEventDate, SSOEventId Or PermitIdentifier, DateStormEventSampled, StormWaterEventID Or PermitIdentifier, StormWaterMS4ReportReceivedDate Or PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate Or ProgramSystemAcronym, ProgramSystemIdentifier, FederalStatuteCode, ComplianceMonitoringActivityTypeCode, ComplianceMonitoringCategoryCode, ComplianceMonitoringDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CML060	Multiple records exist that match the target record keys submitted.	More than one record must not exist for the target record keys submitted. Note: this is possible for Single Event Violations, State Inspections, and Federal Compliance Monitoring Activities.	Reject entire Compliance Monitoring Linkage transaction	PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate And PermitIdentifier, SingleEventViolationCode, SingleEventViolationDate Or EnforcementActionIdentifier Or PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier, PermittingAuthorityReportReceivedDate Or PermitIdentifier, CSOEventDate, CSOEventID Or PermitIdentifier, PretreatmentPerformanceSummaryEndDate Or PermitIdentifier, SSOAnnualReportReceivedDate Or PermitIdentifier, SSOMonthlyReportReceivedDate Or PermitIdentifier, SSOEventDate, SSOEventId Or PermitIdentifier, DateStormEventSampled, StormWaterEventID Or PermitIdentifier, StormWaterMS4ReportReceivedDate Or PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate Or ProgramSystemAcronym, ProgramSystemIdentifier, FederalStatuteCode, ComplianceMonitoringActivityTypeCode, ComplianceMonitoringCategoryCode, ComplianceMonitoringDate

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CML070	The record cannot be linked to or unlinked from the State Inspection because the Permit Identifier of the target record is not a NPDES ID for the source State Inspection.	A NPDES ID must be shared between the source State Inspection and the target record. Note: if a Federal Enforcement Action does not have a NPDES ID, this business rule will be violated.	Reject entire Compliance Monitoring Linkage transaction	PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate And PermitIdentifier, SingleEventViolationCode, SingleEventViolationDate Or EnforcementActionIdentifier Or PermitIdentifier,ReportCoverageEndDate Or PermitIdentifier, PermittingAuthorityReportReceivedDate Or PermitIdentifier, CSOEventDate, CSOEventID Or PermitIdentifier, PretreatmentPerformanceSummaryEndDate Or PermitIdentifier, SSOAnnualReportReceivedDate Or PermitIdentifier, SSOMonthlyReportReceivedDate Or PermitIdentifier, SSOEventDate, SSOEventId Or PermitIdentifier, DateStormEventSampled, StormWaterEventID Or PermitIdentifier, StormWaterMS4ReportReceivedDate Or PermitIdentifer, ComplianceMonitoringCategoryCode,ComplianceMonitoringDate Or ProgramSystemAcronym, ProgramSystemIdentifier, FederalStatuteCode, ComplianceMonitoringActivityTypeCode, ComplianceMonitoringCategoryCode, ComplianceMonitoringDate

9.1.19 Program Report Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a program report transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for the following Program Report Submission Types: • Biosolids Program Report • CAFO Annual Report • CSO Event Report • Local Limits Program Report • Pretreatment Performance Summary Report • SSO Annual Report • SSO Event Report • SSO Monthly Event Report • SW Event Report • SW MS4 Program Report Valid Transaction Types are R (Replace), and X (Mass Delete).	Reject Program Report transaction	Permit Identifier and: Report Coverage End Date or Permitting Authority Report Received Date or CSO Event Date, CSO Event ID or Pretreatment Performance Summary End Date or SSO Annual Report Received Date or SSO Event Date, SSO Event ID or SSO Monthly Report Received Date or Date Storm Event Sampled, StormWater Event ID or Storm Water MS4 Report Received Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject Program Report transaction	Permit Identifier and: Report Coverage End Date or Permitting Authority Report Received Date or CSO Event Date, CSO Event ID or Pretreatment Performance Summary End Date or SSO Annual Report Received Date or SSO Event Date, SSO Event ID or SSO Monthly Report Received Date or Date Storm Event Sampled, StormWater Event ID or Storm Water MS4 Report Received Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PRO030	A <Submission Type value> cannot be added because the Permit Identifier does not exist in ICIS.	The NPDES ID entered must exist in ICIS. Note: This business rule is not checked for Replace transactions where the Program Report exists in ICIS.	Reject Program Report transaction	Permit Identifier and: Report Coverage End Date or Permitting Authority Report Received Date or CSO Event Date, CSO Event ID or Pretreatment Performance Summary End Date or SSO Annual Report Received Date or SSO Event Date, SSO Event ID or SSO Monthly Report Received Date or Date Storm Event Sampled, StormWater Event ID or Storm Water MS4 Report Received Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PRO040	The Permit Identifier entered is not valid because the permit type is Master General Permit or Unpermitted Facility.	The NPDES ID entered must have one of the following Permit Types: • NPDES Individual • General Permit Covered Facility • Individual IU Permit (Non-NPDES) • Individual State Issued Permit (Non-NPDES) • Associated Permit Record Note: This business rule is not checked for Replace transactions where the Program Report exists in ICIS.	Reject Program Report transaction	Permit Identifier and: Report Coverage End Date or Permitting Authority Report Received Date or CSO Event Date, CSO Event ID or Pretreatment Performance Summary End Date or SSO Annual Report Received Date or SSO Event Date, SSO Event ID or SSO Monthly Report Received Date or Date Storm Event Sampled, StormWater Event ID or Storm Water MS4 Report Received Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PRO050	A <Submission Type value> does not exist for the key data entered.	The Program Report identified by the combination of NPDES ID, Report Received/Event Date, and Event ID submitted must exist in ICIS. Note: Event ID is included in the schema only for the following submission types: CSO Event Report, SSO Event Report, and SW Event Report.	Reject Program Report transaction	Permit Identifier and: Report Coverage End Date or Permitting Authority Report Received Date or CSO Event Date, CSO Event ID or Pretreatment Performance Summary End Date or SSO Annual Report Received Date or SSO Event Date, SSO Event ID or SSO Monthly Report Received Date or Date Storm Event Sampled, StormWater Event ID or Storm Water MS4 Report Received Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PRO055	The Report Received/Event Date submitted must be less than or equal to the current date <current date value>.	Report Received/Event Date must be less than or equal to the current date. Note: This business rule is not checked for Replace transactions where the Program Report exists in ICIS.	Reject Program Report transaction	Permit Identifier and: Report Coverage End Date or Permitting Authority Report Received Date or CSO Event Date, CSO Event ID or Pretreatment Performance Summary End Date or SSO Annual Report Received Date or SSO Event Date, SSO Event ID or SSO Monthly Report Received Date or Date Storm Event Sampled, StormWater Event ID or Storm Water MS4 Report Received Date
BPR010	Number Of Report Units must exist.	Number of Report Units must exist.	Reject Biosolids Program Report transaction	Permit Identifier, Report Coverage End Date
CAR005	Discharges During Year Production Area Indicator <Discharges During Year Production Area Indicator value> does not exist or is inactive in the ICIS reference table.	Discharges During Year From Production Area must be a valid (i.e., Active) code in the REF_AUTHORIZED_DISCHARGE table.	Reject CAFO Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
CAR010	Animal Type Code <Animal Type Code value 1, Animal Type Code value 2, …Animal Type Code value n> does not exist or is inactive in the ICIS reference table.	Animal Type must be a valid (i.e., Active) code in the REF_ANIMAL_TYPE table.	Reject CAFO Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
CAR020	Other Animal Type Name must exist because Animal Type Code equals OTH (Other).	If Animal Type = Other, then Animal Type Other Description must exist.	Reject CAFO Program Report transaction	Permit Identifier, Permitting Authority Report Received Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CAR030	Animal Type Code must equal OTH (Other) because Other Animal Type Name exists.	If Animal Type Other Description exists, then Animal Type must = Other.	Reject CAFO Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
CAR040	Total Numbers Each Livestock must exist for Animal Type Code(s) <Animal Type Code value 1, Animal Type Code value 2, …Animal Type Code value n> and be greater than zero.	For each Animal Type entered, Total Number must exist and be greater than zero.	Reject CAFO Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
CAR050	Animal Type Code(s) <Animal Type Code value 1, Animal Type Code value 2, …Animal Type Code value n> must be entered only once for Animal Type value.	The Animal Type Code entered must be unique for Animal Type.	Reject CAFO Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
CER010	At least one of the following must exist: Permitted Feature Identifier, Latitude Measure and Longitude Measure, or CSO Overflow Location Street.	At least one of the following must exist: • Permitted Feature Identifier • CSO Overflow Location Latitude and Longitude • CSO Overflow Location Street Address	Reject CSO Event Program Report transaction	Permit Identifier, CSO Event Date, CSO Event ID
CER020	Latitude Measure <Latitude Measure value> must be greater than or equal to -90 and less than or equal to 90.	CSO Overflow Location Latitude must be greater than or equal to -90 and less than or equal to 90.	Reject CSO Event Program Report transaction	Permit Identifier, CSO Event Date, CSO Event ID
CER030	Longitude Measure <Longitude Measure value> must be greater than or equal to -180 and less than or equal to 180.	Longitude Measure <Longitude Measure value> must be greater than or equal to -180 and less than or equal to 180.	Reject CSO Event Program Report transaction	Permit Identifier, CSO Event Date, CSO Event ID
CER040	The Permitted Feature Identifier <Permitted Feature Identifier value> does not exist for the Permit ID in ICIS.	The Permitted Feature Identifier must be a valid Permitted Feature Identifier for the NPDES ID that exists in ICIS.	Reject CSO Event Program Report transaction	Permit Identifier, CSO Event Date, CSO Event ID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CER050	1) Latitude Measure must exist because Longitude Measure exists. Longitude Measure must exist because Latitude Measure exists.	Latitude must exist if Longitude exists, and vice versa.	Reject CSO Event Program Report transaction	Permit Identifier, CSO Event Date, CSO Event ID
LLR010	Local Limits Pollutant Code(s) must exist because Most Recent Date Adoption Technically Based Local Limits exists.	If Date of Most Recent Adoption of Technically Based Local Limits exists, Local Limits Pollutants must exist.	Reject Local Limits Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
LLR020	Most Recent Date Removal Credits Approval must exist because Removal Credits Application Status Code equals Approved (APP).	If Removal Credits Application Status equals Approved, Date of Most Recent Removal Credits Approval must exist.	Reject Local Limits Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
LLR025	Most Recent Date Technical Evaluation Local Limits must be less than or equal to the current date <current date value>.	Date of Most Recent Technical Evaluation for Local Limits must be less than or equal to the current date.	Reject Local Limits Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
LLR026	Most Recent Date Adoption Technically Based Local Limits must be less than or equal to the current date <current date value>.	Date of Most Recent Adoption of Technically Based Local Limits must be less than or equal to the current date.	Reject Local Limits Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
LLR027	Most Recent Date Removal Credits Approval must be less than or equal to the current date <current date value>.	Date of Most Recent Removal Credits Approval must be less than or equal to the current date.	Reject Local Limits Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
LLR030	Removal Credits Application Status Code <Removal Credits Application Status Code value> does not exist or is inactive in the ICIS reference table.	Removal Credits Application Status must be a valid (i.e. Active) code in the REF_REMOVAL_STATUS table.	Reject Local Limits Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
LLR040	Removal Credits Pollutant Code(s) must exist because Most Recent Date Removal Credits Approval exists.	If Date of Most Recent Removal Credits Approval exists, Removal Credits must exist.	Reject Local Limits Program Report transaction	Permit Identifier, Permitting Authority Report Received Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
LLR050	Local Limits Pollutant Code <Local Limits Pollutant Code value 1, Local Limits Pollutant Code value 2,… Local Limits Pollutant Code value n> does not exist or is inactive in the ICIS reference table.	Local Limits Pollutant must be a valid (i.e. Active) code in the REF_POLLUTANT table.	Reject Local Limits Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
LLR060	Removal Credits Pollutant Code <Removal Credits Pollutant Code value 1, Removal Credits Pollutant Code value 2,… Removal Credits Pollutant Code value n> does not exist or is inactive in the ICIS reference table.	Removal Credits Pollutant Code must be a valid (i.e. Active) code in the REF_POLLUTANT table.	Reject Local Limits Program Report transaction	Permit Identifier, Permitting Authority Report Received Date
PPR010	Pretreatment Performance Summary Start Date must exist .	Pretreatment Performance Summary Start Date must exist.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date
PPR020	Pretreatment Performance Summary Start Date <Pretreatment Performance Summary Start Date value> must be less than Pretreatment Performance Summary End Date <Pretreatment Performance Summary End Date value>.	Pretreatment Performance Summary Start Date must be less than Pretreatment Performance Summary End Date.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PPR030	The following cannot exist because Number of SIUs does not exist: (SIUs Without Control Mechanism , SIUs Not Inspected , SIUs Not Sampled , SIUs SNC With Pretreatment Standards , SIUs SNC With Reporting Requirements , SIUs SNC With Pretreatment Schedule , SIUs SNC Published In Newspaper , SIUs On Schedule , Violation Notices Issued to SIUs , Administrative Orders Issued to SIUs , Civil Suits Filed Against SIUs , Criminal Suits Filed Against SIUs). **Note:** • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. Parentheses will not display in the error messages; they just indicate that the message is dynamic.	SIUs must exist if any of the following data exist: • SIUs Without Control Mechanism. • SIUs Not Inspected • SIUs Not Sampled • SIUs in SNC with Pretreatment Standards • SIUs in SNC with Reporting Requirements • SIUs in SNC with Pretreatment Schedule • SIUs in SNC Published in Newspaper • SIUs Schedules • Violation Notices Issued to SIUs • Administrative Orders Issued to SIUs • Civil Suits Filed Against SIUs • Criminal Suits Filed Against SIUs.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PPR040	The following must be less than or equal to Number of SIUs <value>: (SIUs Without Control Mechanism <value>, SIUs Not Inspected <value>, SIUs Not Sampled <value>, SIUs SNC with Pretreatment Standards <value>, SIUs SNC with Reporting Requirements <value>, SIUs SNC with Pretreatment Schedule <value>, SIUs SNC Published in Newspaper <value>, SIUs On Schedule <value>, IUs Which Penalties Have Been Collected PPS <value>). **Note:** • In the message above, all XML tags that may have this error are listed in parentheses. Only the tags for which this error occurs will be included in the actual error message. • Parentheses will not display in the error messages; they just indicate that the message is dynamic. <Value> indicates the value of the tag preceding it.	Each of the following must be less than or equal to the number that exists for SIUs: • SIUs Without Control Mechanism • SIUs Not Inspected • SIUs Not Sampled • SIUs in SNC with Pretreatment Standards • SIUs in SNC with Reporting Requirements • SIUs in SNC with Pretreatment Schedule • SIUs in SNC Published in Newspaper • SIUs Schedules • Industrial Users (IUs) From Which Penalties Have Been Collected.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date
PPR050	CIUs in SNC <CIUs In SNC value> must be less than or equal to Number CIUs <Number CIUs value>.	CIUs in SNC must be less than or equal to CIUs.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date
PPR060	Local Limits Pollutant Code must exist because Most Recent Date Adoption Technically Based Local Limits exists.	If Date of Most Recent Adoption of Technically Based Local Limits exists, Local Limits Pollutants must exist.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
PPR070	Local Limits Pollutant Code <Local Limits Pollutant Code value 1, Local Limits Pollutant Code value 2,… Local Limits Pollutant Code value n> does not exist or is inactive in the ICIS reference table.	Local Limit Pollutants must be a valid (i.e. Active) code in the REF_POLLUTANT table.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date
PPR080	Most Recent Date Removal Credits Approval must exist because Removal Credits Application Status Code equals Approved (APP).	If Removal Credits Application Status equals Approved, Date of Most Recent Removal Credits Approval must exist.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date
PPR090	Removal Credits Application Status Code <Removal Credits Application Status Code value> does not exist or is inactive in the ICIS reference table	Removal Credits Application Status must be a valid (i.e. Active) code in the REF_REMOVAL_STATUS table.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date
PPR100	Removal Credits Pollutant Code(s) must exist because Most Recent Date Removal Credits Approval exists.	If Date of Most Recent Removal Credits Approval exists, Removal Credits must exist.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date
PPR105	Most Recent Date Technical Evaluation Local Limits must be less than or equal to the current date <current date value>.	Date of Most Recent Technical Evaluation for Local Limits must be less than or equal to the current date.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date
PPR106	Most Recent Date Adoption Technically Based Local Limits must be less than or equal to the current date <current date value>.	Date of Most Recent Adoption of Technically Based Local Limits must be less than or equal to the current date.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date
PPR107	Most Recent Date Removal Credits Approval must be less than or equal to the current date <current date value>.	Date of Most Recent Removal Credits Approval must be less than or equal to the current date.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date
PPR110	Removal Credits Pollutant Code <Removal Credits Pollutant Code value 1, Removal Credits Pollutant Code value 2,… Removal Credits Pollutant Code value n> does not exist or is inactive in the ICIS reference table.	Removal Credits must be a valid (i.e. Active) code in the REF_POLLUTANT table.	Reject Pretreatment Performance Summary Report transaction	Permit Identifier, Pretreatment Performance Summary End Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SAR010	SSO Annual Report Year must exist.	SSO Annual Report Year must exist for an SSO Annual Report in ICIS.	Reject SSO Annual Report transaction	Permit Identifier, SSO Annual Report Received Date
SER005	Duration SSO Overflow Event must be either an integer or a decimal entered in 15 minute increments (i.e., .0, .00, .25, .5, .50, .75).	Duration of Event must be either an integer or a decimal indicating 15 minute increments (i.e., .0, .00, .25, .5, .50, .75).	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER010	Impact SSO Event <Impact SSO Event value 1, Impact SSO Event value 2,…Impact SSO Event value n> does not exist or is inactive in the ICIS reference table.	Impact of SSO Event must be a valid (i.e., Active) code in the REF_SSO_IMPACT table.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER020	Other System Component must exist because System Component equals Other (O).	If System Component exists and equals Other, then Other System Component must exist.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER030	System Component must = O (Other) because Other System Component exists.	If Other System Component exists, then System Component must = Other.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER040	System Component <System Component value 1, System Component value 2,…System Component value n> does not exist or is inactive in the ICIS reference table.	System Component must be a valid (i.e., Active) code in the REF_SYSTEM_COMPONENT table.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER045	System Component <System Component value 1, System Component value 2, … System Component value n> must be entered only once for SSO System Component values.	The System Component entered must be unique for SSO System Component.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER050	Steps Reduce Prevent Mitigate <Steps Reduce Prevent Mitigate value 1, Steps Reduce Prevent Mitigate value 2,… Steps Reduce Prevent Mitigate value n> does not exist or is inactive in the ICIS reference table.	Steps to Reduce, Prevent, Mitigate must be a valid (i.e., Active) code in the REF_SSO_REACTION table.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SER060	At least one of the following must exist: Latitude Measure and Longitude Measure or SSO Overflow Location Street.	At least one of the following must exist for a SSO Event Report: • SSO Overflow Location Latitude and Longitude • SSO Overflow Location Street Address.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER070	1) Latitude Measure must exist because Longitude Measure exists. 2) Longitude Measure must exist because Latitude Measure exists.	Latitude must exist if Longitude is exists and vice versa.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER075	Steps Reduce Prevent Mitigate <Steps Reduce Prevent Mitigate value 1, Steps Reduce Prevent Mitigate value 2, … Steps Reduce Prevent Mitigate value n> must be entered only once for SSO Steps values.	Steps to Reduce, Prevent, Mitigate entered must be unique for SSO Steps.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER080	At least one of the following must exist: Latitude Measure and Longitude Measure or SSO Overflow Location Street.	At least one of the following must exist for a SSO Event Report: • SSO Overflow Location Latitude and Longitude • SSO Overflow Location Street Address.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER090	Latitude Measure <Latitude Measure value> must be greater than or equal to -90 and less than or equal to 90.	SSO Overflow Location Latitude must be greater than or equal to -90 and less than or equal to 90.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER100	Longitude Measure <Longitude Measure value> must be greater than or equal to -180 and less than or equal to 180.	SSO Overflow Location Longitude must be greater than or equal to -180 and less than or equal to 180.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SER110	1) Latitude Measure must exist because Longitude Measure exists. 2) Longitude Measure must exist because Latitude Measure exists.	Latitude must exist if Longitude is exists and vice versa.	Reject SSO Event Report transaction	Permit Identifier, SSO Event Date, SSO Event ID
SMR010	SSO Monthly Event Month must exist.	SSO Monthly Event Month must exist.	Reject SSO Monthly Event Report transaction	Permit Identifier, SSO Monthly Report Received Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SMR020	The SSO Monthly Event Year must exist.	SSO Monthly Event Year (yyyy) must exist.	Reject SSO Monthly Event Report transaction	Permit Identifier, SSO Monthly Report Received Date
SWE010	Time Exceedance Rationale Code <Time Exceedance Rationale Code value> does not exist or is inactive in the ICIS reference table.	Time Exceedance Rationale must be a valid (i.e. Active) code in the REF_TIME_EXCEED_RATIONALE table.	Reject Storm Water Event Report transaction	Permit Identifier, Date Storm Event Sampled, Storm Water Event Id
SWE020	Monitoring Exemption Rationale Indicator <Monitoring Exemption Rationale Indicator value> does not exist or is inactive in the ICIS reference table.	Monitoring Exemption Rationale must be a valid (i.e. Active) code in the REF_MONITORING_EXEMPTION table.	Reject Storm Water Event Report transaction	Permit Identifier, Date Storm Event Sampled, Storm Water Event Id
SWE030	Pollutant Monitoring Basis Code <Pollutant Monitoring Basis Code value> does not exist or is inactive in the ICIS reference table.	Pollutant Monitoring Basis must be a valid (i.e. Active) code in the REF_MONITORING_BASIS table.	Reject Storm Water Event Report transaction	Permit Identifier, Date Storm Event Sampled, Storm Water Event Id
SWE040	The Permitted Feature Identifier <Permitted Feature Identifier value> does not exist for the Permit ID in ICIS.	The Permitted Feature Identifier must be a valid Permitted Feature Identifier for the NPDES ID that exists in ICIS.	Reject Storm Water Event Report transaction	Permit Identifier, Date Storm Event Sampled, Storm Water Event Id
SWR010	Projected Sources Funding Code <Projected Sources Funding Code value 1, Projected Sources Funding Code value 2,… Projected Sources Funding Code value n> does not exist or is inactive in the ICIS reference table.	Projected Sources of Funding must be a valid (i.e. Active) code in the REF_SOURCE_FUNDING table	Reject Storm Water MS4 Program Report transaction	Permit Identifier, Storm Water MS4 Report Received Date
SWR020	Major Outfall Estimated Measure Indicator must exist because Major Outfall Number is greater than zero.	If Number of Major MS4 Outfalls > 0 Major Outfalls Estimated/Measured must exist.	Reject Storm Water MS4 Program Report transaction	Permit Identifier, Storm Water MS4 Report Received Date
SWR030	Minor Outfall Estimated Measure Indicator must exist because Minor Outfall Number is greater than zero.	If Number of Minor MS4 Outfalls > 0 Minor Outfalls Estimated/Measured must exist.	Reject Storm Water MS4 Program Report transaction	Permit Identifier, Storm Water MS4 Report Received Date

9.1.20 Formal Enforcement Action Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a formal enforcement action transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Formal Enforcement Actions. Valid Transaction Types are X (Mass Delete), N (New), C (Change), R (Replace).	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA030	Enforcement Action already exists for the key data provided.	The Enforcement Action Identifier must not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA040	The Enforcement Action identifier must already exist in ICIS.	The Enforcement Action Identifier must exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA050	The Formal Enforcement Action only contains key data and no other data for processing.	If the Formal Enforcement Action transaction contains only key data and no other data, ICIS rejects the Formal Enforcement Action transaction.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA051	The Enforcement Action in ICIS must represent a State Enforcement Action.	The existing Enforcement Action in ICIS must be a state Activity (i.e., state_epa_flag = S) in the ICIS_ACTIVITY table. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA060	The first two characters (i.e., State Code) of the Enforcement Action Identifier must represent a valid state in the ICIS reference table, the third character must be a dash, and it must be at least four characters in length.	The first two characters (i.e., State Code) of the Enforcement Action Identifier must be a valid state (i.e., Active code where usage_indicator = N or B) in REF_STATE table, the third character must be a dash (i.e., -), and it must be a minimum of four characters in length. Note: This business rule is not checked for Replace transactions where the Enforcement Action exists in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA080	The Formal Enforcement Action cannot be deleted because its Final Order has Enforcement Action Limit(s).	A Formal Enforcement Action cannot be deleted if its Final Order includes Enforcement Action Limits.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA091	The Permit Type for the Permit Identifier(s) <Permit Identifier value 1, Permit Identifier value 2,… Permit Identifier value n> cannot be NPDES Master General Permit or State Issued Master General Permit (Non-NPDES).	For Enforcement Action Linked Facilities, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES)	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA100	Permit Identifier for the Facility Interest must exist for a Formal Enforcement Action.	One or more Linked NPDES ID for the Facility Interest must exist for a Formal Enforcement Action.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA110	Permit Identifier(s) <Permit Identifier value 1, Permit Identifier value 2,… Permit Identifier value n> is not a NPDES Facility Interest or does not exist in ICIS.	If the Permit Type for the Permit identified by the NPDES ID is not one of the following: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) Then the Linked NPDES ID for the Facility Interest of the Formal Enforcement Action must exist in ICIS and must have a Program System Acronym of NPDES.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA120	Permit Identifier(s) <Permit Identifier value 1, Permit Identifier value 2,… Permit Identifier value n> must be for the same state acronym as the first two characters of the Enforcement Action Identifier.	The first two characters (i.e., State Code) of the NPDES ID (i.e., Facility Interest Identifier) must equal the first two characters of the Enforcement Action Identifier.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA140	Permit Identifier(s) <Permit Identifier value 1, Permit Identifier value 2,… Permit Identifier value n> cannot be unlinked from the Enforcement Action because one or more Violations with the same NPDES ID are linked to the Enforcement Action.	A NPDES ID (i.e. Facility Interest) cannot be unlinked from an Enforcement Action if one or more Violations with the same NPDES ID are linked to the Enforcement Action. Note: • This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA150	The Permit Identifier cannot be unlinked from the Enforcement Action because it is the only NPDES ID (i.e. Facility Interest) that is in common with a Related Activity that is linked to the Enforcement Action.	A NPDES ID (i.e. Facility Interest) cannot be unlinked from an Enforcement Action if it is the only NPDES ID (i.e., Facility Interest) that is in common with a Related Activity (e.g., Compliance Assistance, Compliance Determination, Compliance Monitoring, Enforcement Action, Incident) that is linked to the Enforcement Action. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA151	Forum must exist for a Formal Enforcement Action.	Forum must exist for a Formal Enforcement Action.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA152	The Enforcement Action in ICIS must represent either an Administrative Formal Enforcement Action or a Judicial Enforcement Action.	The existing Enforcement Action in ICIS must have a Forum = AFR (Administrative-Formal) or JDC (Judicial). Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA153	The Forum cannot be changed from Administrative - Formal to Judicial or vice-versa.	Forum cannot be changed from Administrative - Formal to Judicial or vice-versa. Notes: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA160	Enforcement Action Type Code must exist for a Formal Enforcement Action.	Enforcement Action Type must exist for a Formal Enforcement Action.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA180	Enforcement Action Type Code(s) <Enforcement Action Type Code value 1, Enforcement Action Type Code value 2,…Enforcement Action Type Code value n> is not valid for states, does not exist, or is inactive in the ICIS reference table.	Enforcement Action Type(s) must be a valid (i.e., Active) code with a state type code (i.e., epa_state_filter_flag = S or B) in the REF_ENF_TYPE table.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA200	Enforcement Action Type Code(s) <Enforcement Action Type Code value 1, Enforcement Action Type Code value 2,…Enforcement Action Type Code value n> must match the Forum <Forum value>.	Enforcement Action Type(s) must have an activity_type_code in the REF_ENF_TYPE table that matches the Forum.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA220	A Judicial Enforcement Action cannot have more than one Enforcement Action Type Code.	For Judicial Enforcement Actions, no more than one Enforcement Action Type can exist.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA240	Programs Violated Code must exist for a Formal Enforcement Action.	Programs Violated must exist for a Formal Enforcement Action.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA250	Programs Violated Code(s) <Programs Violated Code value 1, Programs Violated Code value 2,… Programs Violated Code value n> is not a NPDES Programs Violated Code, does not exist, or is an inactive value in the ICIS reference table.	Programs Violated must be a valid (i.e., Active) code with npdes_program_flag = Y in the REF_PROGRAM table.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA260	Resolution Type Code <Resolution Type Code value> is not valid for states, does not exist, or is an inactive value in the ICIS reference table.	Enforcement Action Resolution Type must be a valid (i.e., Active) code with a state type code (i.e., epa_state_filter_flag = S or B) in the REF_ENF_OUTCOME table.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA270	Resolution Type Code <Resolution Type Code value> is not a valid Administrative Formal Resolution Type.	For Administrative Enforcement Actions, Enforcement Action Resolution Type must be a valid Administrative Formal Resolution Type (i.e., judicial_admin_filter_flag = B) in the REF_ENF_OUTCOME table.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA280	Resolution Type Code <Resolution Type Code value> is not a valid Judicial Resolution Type.	For Judicial Enforcement Actions, Enforcement Action Resolution Type must be a valid Judicial Resolution Type (i.e., judicial_admin_filter_flag = J or B) in the REF_ENF_OUTCOME table.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA290	Resolution Type Code <Resolution Type Code value> is not valid because a Final Order(s) does not exist, Penalty data does not exist, or Final Order Issued Entered Date does not exist.	For Administrative Formal Enforcement Actions, if Enforcement Action Resolution Type is one of the following: • Default Order With Penalty • Final Order With Penalty • Litigated With Penalty Then all of the following conditions must be true: • One or more Final Orders must exist for the Enforcement Action • Penalty data must exist for at least one Final Order • Final Order Issued/Entered Date must exist for the Final Order(s)	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA300	Resolution Type Code <Resolution Type Code value> is not valid because a Final Order(s) does not exist or Penalty data does not exist.	For Judicial Enforcement Actions, if Enforcement Action Resolution Type is one of the following: • Default Order With Penalty • Final Order With Penalty • Litigated With Penalty Then all of the following conditions must be true: • One or more Final Orders must exist for the Enforcement Action • Penalty data must exist for at least one Final Order	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA310	Resolution Type Code <Resolution Type Code value> is not valid because the Enforcement Action must either have a Final Order with Penalty data and a Final Order Issued Entered Date, or have no Final Order(s) at all.	For Administrative Formal Enforcement Actions, if Enforcement Action Resolution Type is Source Agrees, then one and only one of the following scenarios must be true. Scenario 1: • One or more Final Orders exist for the Enforcement Action • Penalty data exists for at least one Final Order • Final Order Issued/Entered Date exists for the Final Order(s) Scenario 2: • No Final Orders exist for the Enforcement Action	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA320	Resolution Type Code <Resolution Type Code value> is not valid because the Enforcement Action must either have a Final Order with Penalty data, or have no Final Order(s) at all.	For Judicial Enforcement Actions, if Enforcement Action Resolution Type is Source Agrees, then only one of the following scenarios must be true. Scenario 1: • One or more Final Orders exist for the Enforcement Action • Penalty data exists for at least one Final Order Scenario 2: • No Final Orders exist for the Enforcement Action	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA330	Resolution Type Code <Resolution Type Code value> is not valid because a Final Order(s) does not exist or Penalty data exists.	If Enforcement Action Resolution Type is one of the following: • Default Order No Penalty • Final Order No Penalty • Litigated No Penalty • Unilateral Administrative Order Without Adjudication Then all of the following conditions must be true: • One or more Final Orders must exist for the Enforcement Action • Penalty data must not exist for any Final Order(s)	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA340	Resolution Type Code <Resolution Type Code value> is not valid because one or more Final Orders exist.	For Administrative Formal Enforcement Actions, if Enforcement Action Resolution Type is one of the following: • Dismissed by Tribunal • EPA Did Not Pursue • Litigated, Lost • Unknown • Voluntarily Dismissed After Filing • Withdrawn by Region/State Then a Final Order must not exist for the Enforcement Action.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA350	Resolution Type Code <Resolution Type Code value> is not valid because one or more Final Orders exist.	For Judicial Enforcement Actions, if Enforcement Action Resolution Type is one of the following: • DOJ Declined • Dismissed by Tribunal • EPA Did Not Pursue • Litigated, Lost • Unknown • U.S. Attorney Declined • Voluntarily Dismissed After Filing • Withdrawn by Region/State Then a Final Order must not exist for the Enforcement Action.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA360	Combined or Superseded by EA ID must exist because Resolution Type Code is <Resolution Type Code value>.	If Enforcement Action Resolution Type is one of the following: • Combined With Another Case(s) • Superseded by Another Enforcement Action Then the Combined with / Superseded by Enforcement Action Identifier field must exist.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA370	Combined or Superseded by EA ID does not exist in ICIS.	Combined with / Superseded by Enforcement Action Identifier field must be an Enforcement Action Identifier that exists in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA380	Combined or Superseded by EA ID cannot exist because Resolution Type Code is neither ECO (Combined With Another Case(s)) or ESU (Superseded by Another Enforcement Action).	If Enforcement Action Resolution Type is blank or is not one of the following: • Combined With Another Case(s) • Superseded by Another Enforcement Action Then Combined with / Superseded by Enforcement Action must not exist.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA390	Resolution Type Code <Resolution Type Code value> is not valid because a Final Order exists for the Enforcement Action.	If Enforcement Action Resolution Type is Combined With Another Case(s), then a Final Order must not exist for the Enforcement Action.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA400	Combined or Superseded by EA ID <Combined or Superseded by EA ID value> cannot be equal to the Enforcement Action Identifier of the current Enforcement Action.	Combined with / Superseded by Enforcement Action must not be equal to the source Enforcement Action.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA410	Reason Deleting Record must exist for a Mass Delete Formal Enforcement Action transaction.	Reason for Deleting Enforcement Action must exist. Note: this tag is ignored for New, Change, and Replace transactions.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA420	Final Order Identifier <Final Order Identifier value> must be unique for the Enforcement Action. Note: This error message is issued once for each set of Final Orders with the same Final Order Identifier.	All Final Orders for an Enforcement Action must have a unique Final Order ID. Note: this applies even if duplicate data are submitted for multiple Final Orders.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA430	Final Order Identifier <Final Order Identifier value> cannot be deleted because it has Enforcement Action Limits. Note: This error message is issued once for each Final Order.	A Final Order cannot be deleted if it includes Enforcement Action Limits. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA461	For Final Order <Final Order Identifier value>, Final Order Type Code must exist for a Final Order. Note: This error message is issued once for each Final Order.	Final Order Type must exist for a Final Order.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA470	For Final Order <Final Order Identifier value>, Final Order Type Code <Final Order Type Code value> is not valid for states, does not exist, or is inactive in the ICIS reference table. Note: This error message is issued once for each Final Order.	Final Order Type must be a valid (i.e., Active) code with a state type code (i.e., epa_state_filter_flag = S or B) in the REF_ENF_CONCLUSION_ACTION table.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA480	For Final Order <Final Order Identifier value>, Final Order Type Code <Final Order Type Code value> must have the same Forum (e.g., Administrative Formal, Judicial) as the parent Enforcement Action. Note: This error message is issued once for each Final Order.	The Final Order Type activity_type_code in the REF_ENF_CONCLUSION_ACTION table must match the Enforcement Action Type(s) activity_type_code in the REF_ENF_TYPE table.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA490	For Final Order <Final Order Identifier value>, Final Order Type Code must be APO (Administrative Penalty Order With or Without Injunctive Relief) if one or more SEP(s) exist for the Final Order. Note: This error message is issued once for each Final Order.	For Administrative Formal Enforcement Actions, if SEP data exists, then Final Order Type must be Administrative Penalty Order With or Without Injunctive Relief. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA501	For Final Order <Final Order Identifier value>, Final Order Permit Identifier for the Facility Interest must exist for a Final Order. Note: This error message is issued once for each Final Order.	One or more Linked NPDES ID for the Facility Interest must exist for a Final Order.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA510	For Final Order <Final Order Identifier value>, Final Order Permit Identifier(s) <Final Order Permit Identifier value 1, Final Order Permit Identifier value 2,… Final Order Permit Identifier value n> must also be linked to the parent Enforcement Action. Note: This error message is issued once for each Final Order.	The Linked NPDES ID(s) (i.e., Facility Interest) for a Final Order must also be linked to the parent Enforcement Action.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA530	For Final Order <Final Order Identifier value>, Final Order Permit Identifier(s) <Final Order Permit Identifier value 1, Final Order Permit Identifier value 2,… Final Order Permit Identifier value n> cannot be unlinked from the Final Order because the Final Order Permit Identifier is linked to a Compliance Schedule for the Final Order. Note: This error message is issued once for each Final Order.	A Linked NPDES ID(s) (i.e., Facility Interest) cannot be removed from a Final Order if the NPDES ID (i.e., Facility Interest) is linked to any Compliance Schedules for the Final Order. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA540	For Final Order <Final Order Identifier value>, Final Order Permit Identifier(s) <Final Order Permit Identifier value 1, Final Order Permit Identifier value 2,… Final Order Permit Identifier value n> cannot be unlinked from the Final Order because the Final Order Permit Identifier is associated with an Enforcement Action Limit for the Final Order. Note: This error message is issued once for each Final Order.	A Linked NPDES ID(s) (i.e., Facility Interest) cannot be removed from a Final Order if the NPDES ID (i.e., Facility Interest) is associated with any Enforcement Action Limits for the Final Order. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA550	For Final Order <Final Order Identifier value>, Final Order Permit Identifier(s) <Final Order Permit Identifier value 1, Final Order Permit Identifier value 2,… Final Order Permit Identifier value n> cannot be unlinked from the Final Order because the Final Order Permit Identifier is associated with a Violation linked to the Final Order. Note: This error message is issued once for each Final Order.	A Linked NPDES ID(s) (i.e., Facility Interest) cannot be removed from a Final Order if the NPDES ID (i.e., Facility Interest) is associated with any Violations linked to the Final Order. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA570	For Final Order <Final Order Identifier value>, the following must exist for an Administrative Formal Enforcement Action Final Order if the Final Order is the only Final Order for the Enforcement Action and the Complaint/Proposed Order Milestone Actual Date does not exist: Final Order Issued Entered Date.	For Administrative Formal Enforcement Actions, Final Order Issued/Entered Date must exist if the Final Order is the only Final Order for the Enforcement Action and the Complaint/Proposed Order Milestone Actual Date does not exist.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA580	For Final Order <Final Order Identifier value>, Final Order Issued Entered Date must exist for an Administrative Formal Enforcement Action Final Order if multiple Final Orders exist for the Enforcement Action. Note: This error message is issued once for each Final Order.	For Administrative Formal Enforcement Actions, Final Order Issued/Entered Date must exist if multiple Final Orders exist for the Enforcement Action.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA581	For Final Order <Final Order Identifier value>, Final Order Issued Entered Date cannot exist because Final Order Type Code <Final Order Type Code value> represents a Proposed Judicial Settlement.	For Judicial Enforcement Actions, Final Order Issued/Entered Date cannot exist if Final Order Type is Proposed Judicial Settlement.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA590	For Final Order <Final Order Identifier value>, Final Order Issued Entered Date <Final Order Issued Entered Date value> must be less than or equal to the current date <current date value> for the Final Order. Note: This error message is issued once for each Final Order.	Final Order Issued/Entered Date must be less than or equal to the current date.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA600	For Final Order <Final Order Identifier value>, Final Order Issued Entered Date <Final Order Issued Entered Date value> must be less than or equal to NPDES Closed Date <NPDES Closed Date value> for the Final Order. Note: This error message is issued once for each Final Order.	If the NPDES Closed Date exists for a Final Order, then Final Order Issued/Entered Date must be less than or equal to the NPDES Closed Date for the Final Order.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA610	For Final Order <Final Order Identifier value>, Final Order Issued Entered Date <Final Order Issued Entered Date value> must be less than or equal to the Actual Date of any Enforcement Action Milestone that succeeds Final Order Issued in the ordered list of Milestones, with the exception of NPDES Closed. Note: This error message is issued once for each Final Order.	Final Order Issued/Entered Date for a Final Order must be less than or equal to the Actual Date of any Enforcement Action Milestone that succeeds the Final Order Issued Milestone in the ordered list of Milestones, with the exception of NPDES Closed. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA620	For Final Order <Final Order Identifier value>, Final Order Issued Entered Date <Final Order Issued Entered Date value> must be greater than or equal the Actual Date of any Enforcement Action Milestone that precedes Final Order Issued in the ordered list of Milestones, with the exception of Enforcement Action Data Entered. Note: This error message is issued once for each Final Order.	Final Order Issued/Entered Date for a Final Order must be greater than or equal to the Actual Date of any Enforcement Action Milestone that precedes the Final Order Issued Milestone in the ordered list of Milestones, with the exception of Enforcement Action Data Entered. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA630	For Final Order <Final Order Identifier value>, Final Ordered Issued Date must exist because the Final Order is linked to a NPDES Violation. Note: This error message is issued once for each Final Order.	Final Order Issued/Entered Date must exist if the Final Order is linked to a NPDES Violation. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA640	For Final Order <Final Order Identifier value>, Final Ordered Issued Date must be greater than or equal to the Violation Date of each Violation linked to the Final Order. Note: This error message is issued once for each Final Order.	Final Order Issued/Entered Date must be greater than or equal to the Violation Date of each Violation linked to the Final Order. Notes: • This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS. • This business rule is currently enforced by the ICIS Web application but is not documented. See O&M DR 7953.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA730	For Final Order <Final Order Identifier value>, NPDES Closed Date <NPDES Closed Date value> of the Final Order must be less than or equal to the current date <current date value>. Note: This error message is issued once for each Final Order.	NPDES Closed Date for the Final Order must be less than or equal to the current date.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA740	For Final Order <Final Order Identifier value>, NPDES Closed Date <NPDES Closed Date value> of the Final Order must be less than or equal to the Enforcement Action Closed Milestone Actual Date. Note: This error message is issued once for each Final Order.	If the Enforcement Action Closed Milestone Actual Date exists, NPDES Closed date for the Final Order must be less than or equal to the Enforcement Action Closed Milestone Actual Date. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA750	For Final Order <Final Order Identifier value>, NPDES Closed Date <NPDES Closed Date value> must be greater than or equal the Actual Date of any Enforcement Action Milestone that precedes NPDES Closed in the ordered list of Milestones, with the exception of Enforcement Action Data Entered and Final Order Issued/Entered. Note: This error message is issued once for each Final Order.	NPDES Closed Date for a Final Order must be greater than or equal to the Actual Date of any Enforcement Action Milestones that precedes the NPDES Closed Milestone in the ordered list of Milestones, with the exception of Enforcement Action Data Entered and Final Order Issued/Entered. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA770	Enforcement Agency Type Code <Enforcement Agency Type Code value 1, Enforcement Agency Type Code value 2,… Enforcement Agency Type Code value n> is inactive or invalid in the ICIS Reference Table.	Enforcement Agency Type must be a valid (i.e., Active) code in the REF_AGENCY_TYPE table with activity_group_code = EFA (Enforcement Action).	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA780	More than one Enforcement Agency Type Code <Enforcement Agency Type Code value 1, Enforcement Agency Type Code value 2,… Enforcement Agency Type Code value n> has been designated with an Agency Lead Indicator Code = Y.	Only one Enforcement Agency Type can be designated with Agency Lead Indicator Code = Y.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
FEA790	Enforcement Agency Type Code <Enforcement Agency Type Code value 1, Enforcement Agency Type Code value 2,… Enforcement Agency Type Code value n> was submitted multiple times with different Agency Lead Indicator Code values.	The same Enforcement Agency Type cannot be included multiple times with different Agency Lead Indicator codes.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA800	Both asterisks and values were entered in the required tags Enforcement Agency Type Code and Agency Lead Indicator Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required Agency Type Code tags (Enforcement Agency Type and Agency Lead Indicator) to blank out all Agency Type Codes. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
GC010	The Government Contact(s) identified by Electronic Address Text <Electronic Address Text value 1, Electronic Address Text value 2, … Electronic Address Text value n> does not exist in ICIS.	The Government Contact identified by Email Address must exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
GC020	Affiliation Type Text <Affiliation Type Text value 1, Affiliation Type Text value 2, … Affiliation Type Text value n> does not have an Affiliation Category of Government, does not exist, or is inactive in the ICIS reference table.	For Government Contact, the Affiliation Type Code must be a valid (i.e., Active) code with an affiliation_category of Government in the REF_AFFILIATION_TYPE table.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
GC030	Affiliation Type Text <Affiliation Type Text value 1, Affiliation Type Text value 2,… Affiliation Type Text value n> is not valid for <Submission Type value>.	For Government Contact, the Affiliation Type must have an app_module_code = SEA (State Enforcement Action) in the XREF_AFFILIATION_MODULE table.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
GC040	Only one Government Contact with Affiliation Type Text of LEA (Lead EPA Attorney) can be Active for an Enforcement Action at any one time.	Only one Lead EPA Attorney at a time can be Active for an Enforcement Action (i.e., cannot have overlapping dates when they are associated).	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
GC050	For one or more Government Contacts, both asterisks and values were entered in the required tags. The required tags must contain either all asterisks or all values.	Asterisks must be entered in all required Government Contact tags (Email Address and Affiliation Type) to blank out all Government Contacts. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier
GC060	End Date Of Contact Association <End Date Of Contact Association value> must be greater than the Start Date Of Contact Association <Start Date Of Contact Association value>. Note: This error message is issued once for each Government Contact.	Government Contact End Date of Association must be greater than the Government Contact Start Date of Association.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FEA860	An error has occurred while processing the data for this Enforcement Action. No data were saved for this Enforcement Action, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully, roll back all changes for the XML transaction. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Formal Enforcement Action transaction	Enforcement Action Identifier

9.1.21 Informal Enforcement Action Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process an informal enforcement action transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Informal Enforcement Actions. Valid Transaction Types are X (Mass Delete), N (New), C (Change), R (Replace).	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
BAT020	User <ID value> does not have privileges to perform a <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA030	Enforcement Action already exists for the key data provided.	The Enforcement Action Identifier must not exist in ICIS.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA040	The Enforcement Action identifier must already exist in ICIS.	The Enforcement Action Identifier must exist in ICIS.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA050	The Informal Enforcement Action only contains key data and no other data for processing.	If the Informal Enforcement Action transaction contains only key data and no other data, ICIS rejects the Informal Enforcement Action transaction.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
IEA051	The Enforcement Action in ICIS must represent a State Enforcement Action.	The existing Enforcement Action in ICIS must be a state Activity (i.e., state_epa_flag = S) in the ICIS_ACTIVITY table. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA052	The Enforcement Action in ICIS must represent an Informal Enforcement Action.	The existing Enforcement Action in ICIS must be an Administrative - Informal Activity (i.e., activity_status_code = AIF) in the ICIS_ACTIVITY table. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA060	The first two characters (i.e., State Code) of the Enforcement Action Identifier must represent a valid state in the ICIS reference table, the third character must be a dash, and it must be at least four characters in length.	The first two characters (i.e., State Code) of the Enforcement Action Identifier must be a valid state (i.e., Active code where usage_indicator = N or B) in REF_STATE table, the third character must be a dash (i.e., -), and it must be a minimum of four characters in length. Note: This business rule is not checked for Replace transactions where the Enforcement Action exists in ICIS.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA081	The Permit Type for the Permit Identifier(s) <Permit Identifier value 1, Permit Identifier value 2,… Permit Identifier value n> cannot be NPDES Master General Permit or State Issued Master General Permit (Non-NPDES).	The Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES)	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA090	Permit Identifier for the Facility Interest must exist for an Informal Enforcement Action.	One or more Linked NPDES ID for the Facility Interest must exist for an Informal Enforcement Action.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
IEA100	Permit Identifier(s) <Permit Identifier value 1, Permit Identifier value 2,… Permit Identifier value n> is not a NPDES Facility Interest or does not exist in ICIS.	If the Permit Type for the Permit identified by the NPDES ID is not one of the following: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) Then the Linked NPDES ID for the Facility Interest of the Informal Enforcement Action must exist in ICIS and must have a Program System Acronym of NPDES.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA110	Permit Identifier(s) <Permit Identifier value 1, Permit Identifier value 2,… Permit Identifier value n> must be for the same state acronym as the first two characters of the Enforcement Action Identifier.	The first two characters (i.e., State Code) of the NPDES ID (i.e., Facility Interest Identifier) must equal the first two characters of the Enforcement Action Identifier.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA130	Permit Identifier(s) <Permit Identifier value 1, Permit Identifier value 2,… Permit Identifier value n> cannot be unlinked from the Enforcement Action because one or more Violations with the same NPDES ID are linked to the Enforcement Action.	A NPDES ID (i.e. Facility Interest) cannot be unlinked from an Enforcement Action if one or more Violations with the same NPDES ID are linked to the Enforcement Action. Note: • This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA140	The Permit Identifier cannot be unlinked from the Enforcement Action because it is the only NPDES ID (i.e. Facility Interest) that is in common with a Related Activity that is linked to the Enforcement Action.	A NPDES ID (i.e. Facility Interest) cannot be unlinked from an Enforcement Action if it is the only NPDES ID (i.e., Facility Interest) that is in common with a Related Activity (e.g., Compliance Assistance, Compliance Determination, Compliance Monitoring, Enforcement Action, Incident) that is linked to the Enforcement Action. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA150	The Enforcement Action Achieved Date must exist because the Informal Enforcement Action has linked Violations.	If the Informal Enforcement Action has Violations linked to it, the Enforcement Action Achieved Date must exist. Note: This business rule is not checked for Replace transactions where the Enforcement Action does not exist in ICIS.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
IEA160	Enforcement Action Type Code must exist for an Informal Enforcement Action.	Enforcement Action Type must exist for an Informal Enforcement Action.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA170	Enforcement Action Type Code <Enforcement Action Type Code value > is not valid for states, does not exist, or is inactive in the ICIS reference table.	Enforcement Action Type must be a valid (i.e., Active) code with a state type code (i.e., epa_state_filter_flag = S or B) in the REF_ENF_TYPE table.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA190	Enforcement Action Type Code <Enforcement Action Type Code value> must represent an Informal Enforcement Action.	Enforcement Action Type must have an activity_type_code in the REF_ENF_TYPE table equal to AIF (Administrative - Informal).	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA210	Programs Violated Code must exist for an Informal Enforcement Action.	Programs Violated must exist for an Informal Enforcement Action.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA220	Programs Violated Code(s) <Programs Violated Code value 1, Programs Violated Code value 2,… Programs Violated Code value n> is not a NPDES Programs Violated Code, does not exist, or is an inactive value in the ICIS reference table.	Programs Violated must be a valid (i.e., Active) code with npdes_program_flag = Y in the REF_PROGRAM table.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA230	Reason Deleting Record must exist for a Mass Delete Informal Enforcement Action transaction.	Reason for Deleting Enforcement Action must exist. Note: this tag is ignored for New, Change, and Replace transactions.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA240	Enforcement Agency Type Code <Enforcement Agency Type Code value 1, Enforcement Agency Type Code value 2,… Enforcement Agency Type Code value n> is inactive or invalid in the ICIS Reference Table.	Enforcement Agency Type must be a valid (i.e., Active) code in the REF_AGENCY_TYPE table with activity_group_code = EFA (Enforcement Action).	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA250	More than one Enforcement Agency Type Code <Enforcement Agency Type Code value 1, Enforcement Agency Type Code value 2, … Enforcement Agency Type Code value n> has been designated with an Agency Lead Indicator Code = Y.	Only one Enforcement Agency Type can be designated with Agency Lead Indicator Code = Y.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
IEA260	Enforcement Agency Type Code <Enforcement Agency Type Code value 1, Enforcement Agency Type Code value 2,… Enforcement Agency Type Code value n> was submitted multiple times with different Agency Lead Indicator Code values.	The same Enforcement Agency Type cannot be included multiple times with different Agency Lead Indicator codes.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
IEA270	Both asterisks and values were entered in the required tags Enforcement Agency Type Code and Agency Lead Indicator Code. All asterisks or all values must be entered in the required tags.	Asterisks must be entered in all required Agency Type Code tags (Enforcement Agency Type and Agency Lead Indicator) to blank out all Agency Type Codes. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected..	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
GC010	The Government Contact(s) identified by Electronic Address Text <Electronic Address Text value 1, Electronic Address Text value 2, … Electronic Address Text value n> does not exist in ICIS.	The Government Contact identified by Email Address must exist in ICIS.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
GC020	Affiliation Type Text <Affiliation Type Text value 1, Affiliation Type Text value 2, … Affiliation Type Text value n> does not have an Affiliation Category of Government, does not exist, or is inactive in the ICIS reference table.	For Government Contact, the Affiliation Type Code must be a valid (i.e., Active) code with an affiliation_category of Government in the REF_AFFILIATION_TYPE table.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
GC030	Affiliation Type Text <Affiliation Type Text value 1, Affiliation Type Text value 2,… Affiliation Type Text value n> is not valid for <Submission Type value>.	For Government Contact, the Affiliation Type must have an app_module_code = SEA (State Enforcement Action) in the XREF_AFFILIATION_MODULE table.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
GC040	Only one Government Contact with Affiliation Type Text of LEA (Lead EPA Attorney) can be Active for an Enforcement Action at any one time.	Only one Lead EPA Attorney at a time can be Active for an Enforcement Action (i.e., cannot have overlapping dates when they are associated).	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier
GC050	For one or more Government Contacts, both asterisks and values were entered in the required tags. The required tags must contain either all asterisks or all values.	Asterisks must be entered in all required Government Contact tags (Email Address and Affiliation Type) to blank out all Government Contacts. If asterisks are only entered in some required tags and values are entered in other required tags, the transaction will be rejected.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
GC060	End Date Of Contact Association <End Date Of Contact Association value> must be greater than the Start Date Of Contact Association <Start Date Of Contact Association value>. Note: This error message is issued once for each Government Contact.	Government Contact End Date of Association must be greater than the Government Contact Start Date of Association.	Reject entire Informal Enforcement Action transaction	Enforcement Action Identifier

9.1.22 Enforcement Action Milestone Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process an enforcement action milestone transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Enforcement Action Milestones. The only valid Transaction Type is R (Replace).	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
BAT020	User <ID value> does not have privileges to perform a <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
EAM050	An Enforcement Action Milestone does not exist for the key data entered.	The Enforcement Action Milestone identified by the combination of Enforcement Action Identifier and Milestone Type Code entered must exist in ICIS.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
EAM060	Enforcement Action Identifier is not a State Administrative Formal Enforcement Action or a State Judicial Enforcement Action.	The Enforcement Action Identifier must represent a State Administrative Formal Enforcement Action or a State Judicial Enforcement Action.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
EAM070	Milestone Type Code is not editable for a Judicial Formal Enforcement Action.	For a Judicial Formal Enforcement Action, Milestone Type Code must be one of the following: RSAGJ (Referred to State Attorney General) CMF (Complaint Filed with Court) CLOSE (Enforcement Action Closed) Note: these codes have an editable_flag = Y in the REF_SUB_ACTIVITY_TYPE table.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
EAM080	Milestone Type Code is not editable for an Administrative Formal Enforcement Action.	For an Administrative Formal Enforcement Action, Milestone Type Code must be one of the following: CPOA (Complaint/Proposed Order) CLSA (Enforcement Action Closed) Note: these codes have an editable_flag = Y in the REF_SUB_ACTIVITY_TYPE table.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
EAM090	Milestone Actual Date <Enforcement Milestone Actual Date value> must be less than or equal to the current date <current date value>.	Actual Date must be less than or equal to the current date.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
EAM100	Milestone Actual Date <Milestone Actual Date value> must be less than or equal to the succeeding Milestone's Actual Date: <succeeding Milestone Type Code value (Milestone Type Description value), succeeding Milestone Actual Date value>.	Actual Date must be less than or equal to the Actual Date of each Enforcement Action Milestone that succeeds it in the ordered list of Milestones.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
EAM110	Milestone Actual Date <Milestone Actual Date value> must be greater than or equal to the preceding Milestone's Actual Date: <preceding Milestone Type Code value (Milestone Type Description value), preceding Milestone Actual Date value>.	Actual Date must be greater than or equal to the Actual Date of each Enforcement Action Milestone that precedes it in the ordered list of Milestones except for Enforcement Action Data Entered.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
EAM120	The Complaint/Proposed Order Milestone Actual Date <Milestone Actual Date value> must be less than or equal to both the Final Order Issued Date and the NPDES Closed Date of each Final Order for the Enforcement Action.	The Complaint/Proposed Order Actual Date must be less than or equal to both the Final Order Issued Date and the NPDES Closed Date of each Final Order included in the Enforcement Action.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
EAM130	The Enforcement Action Closed Milestone Actual Date <Milestone Actual Date value> must be greater than or equal to both the Final Order Issued/Entered Date and the NPDES Closed Date of each Final Order for the Enforcement Action.	The Enforcement Action Closed Actual Date must be greater than or equal to both the Final Order Issued/Entered Dated and the NPDES Closed Date of each Final Order that is linked to the current Enforcement Action.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
EAM140	The Complaint Filed With Court Milestone Actual Date <Milestone Actual Date value> must be less than or equal to both the Final Order Entered Date and the NPDES Closed Date of each Final Order for the Enforcement Action.	The Complaint Filed With Court Actual Date must be less than or equal to both the Final Order Entered Date and the NPDES Closed Date of each Final Order included in the Enforcement Action.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
EAM150	The Complaint/Proposed Order Milestone Actual Date cannot be deleted when a Final Order exists for Enforcement Action and the Final Order Issued Date is blank/null.	The Complaint/Proposed Order Actual Date cannot be deleted when a Final Order exists for the Enforcement Action and the Final Order Issued Date is blank.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code
EAM160	An error has occurred while processing the data for this Enforcement Action. No data were saved for this Enforcement Action, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully, roll back all changes for the XML transaction.	Reject entire Enforcement Action Milestone transaction	Enforcement Action Identifier, Milestone Type Code

9.1.23 Enforcement Action Violation Linkage Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process an enforcement action violation linkage transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Final Order Violation Linkages. The only valid Transaction Type is R (Replace).	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV030	The combination of Enforcement Action Identifier and Final Order Identifier must exist in ICIS.	The combination of Enforcement Action and Final Order must exist in ICIS. Note: this refers to the Enforcement Action / Final Order combination that Violations are being linked to.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date
FOV040	The Enforcement Action in ICIS must be a State Enforcement Action.	The existing Enforcement Action in ICIS must be a state Activity (i.e., state_epa_flag = S) in the ICIS_ACTIVITY table. Note: this refers to the Enforcement Action / Final Order combination that Violations are being linked to.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV050	Violations cannot be linked to the Final Order because the Final Order Issued/Entered Date does not exist.	Violations cannot be linked to a Final Order unless the Final Order Issued/Entered Date exists.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date
FOV060	A record does not exist in ICIS for the Violation Group keys submitted. Note: the Limit Season Number will display as -1 on the audit report if that was what was submitted.	A record must exist in ICIS for the Violation Group keys submitted.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV070	Multiple records exist that match the Violation Group keys submitted. Note: the Limit Season Number will display as -1 on the audit report if that was what was submitted.	The Violation Group key data must be unique to one record. Note: it is possible to have multiple Single Event Violations in the database with the same key data. It is also possible to have multiple DMR Parameters that exist if -1 is submitted for Limit Season Number. It is not possible to have multiple Schedule Event Violations with the same key data.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date
FOV080	Warning: No Violations exist in ICIS for the keys submitted.	At least one Violation must exist for the Violation Group. Note: this business rule will not be triggered for Single Event Violations since it is covered by rule FOV060.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV090	Violations from the Violation Group cannot be linked to the Final Order because the Permit Identifier of the Violation Group is not linked to the Final Order.	The NPDES ID of the Violation Group must match a NPDES ID that is linked to the Final Order. Note: this refers to the Enforcement Action / Final Order combination that Violations are being linked to.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date
FOV100	The Violation Group cannot be linked to the Final Order because one or more Violations in the group are linked to another Final Order for the Enforcement Action.	The Violation Group cannot be linked to a Final Order if one or more Violations in the group are linked to another Final Order for the Enforcement Action. Note: this refers to the Enforcement Action / Final Order combination that Violations are being linked to.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV110	The Violation Date <Violation Date value> of the Violation Group must be less than or equal to the Final Order Issued/Entered Date <Final Order Issued/Entered Date value>.	The Violation Group cannot be linked to a Final Order unless the Violation Date of the group is less than or equal to the Final Order Issued/Entered Date. Violation Date varies by the Violation Group: • Permit Schedule Violation: Schedule Date • Compliance Schedule Violation: Schedule Date • Discharge Monitoring Report Violation: Monitoring Period End Date • Discharge Monitoring Report Parameter Violation: Monitoring Period End Date • Single Events Violation: Single Event Violation Date Note: this refers to the Enforcement Action / Final Order combination that Violations are being linked to.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV120	An error has occurred while processing the data for this Final Order Violation Linkage. No data were saved for this transaction, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully, roll back all changes for the XML transaction.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

9.1.24 Final Order Violation Linkage Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a final ordern linkage transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Final Order Violation Linkages. The only valid Transaction Type is R (Replace).	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles, access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV030	The combination of Enforcement Action Identifier and Final Order Identifier must exist in ICIS.	The combination of Enforcement Action and Final Order must exist in ICIS. Note: this refers to the Enforcement Action / Final Order combination that Violations are being linked to.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date
FOV040	The Enforcement Action in ICIS must be a State Enforcement Action.	The existing Enforcement Action in ICIS must be a state Activity (i.e., state_epa_flag = S) in the ICIS_ACTIVITY table. Note: this refers to the Enforcement Action / Final Order combination that Violations are being linked to.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV050	Violations cannot be linked to the Final Order because the Final Order Issued/Entered Date does not exist.	Violations cannot be linked to a Final Order unless the Final Order Issued/Entered Date exists.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date
FOV060	A record does not exist in ICIS for the Violation Group keys submitted. Note: the Limit Season Number will display as -1 on the audit report if that was what was submitted.	A record must exist in ICIS for the Violation Group keys submitted.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV070	Multiple records exist that match the Violation Group keys submitted. Note: the Limit Season Number will display as -1 on the audit report if that was what was submitted.	The Violation Group key data must be unique to one record. Note: it is possible to have multiple Single Event Violations in the database with the same key data. It is also possible to have multiple DMR Parameters that exist if -1 is submitted for Limit Season Number. It is not possible to have multiple Schedule Event Violations with the same key data.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date
FOV080	Warning: No Violations exist in ICIS for the keys submitted.	At least one Violation must exist for the Violation Group. Note: this business rule will not be triggered for Single Event Violations since it is covered by rule FOV060.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV090	Violations from the Violation Group cannot be linked to the Final Order because the Permit Identifier of the Violation Group is not linked to the Final Order.	The NPDES ID of the Violation Group must match a NPDES ID that is linked to the Final Order. Note: this refers to the Enforcement Action / Final Order combination that Violations are being linked to.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date
FOV100	The Violation Group cannot be linked to the Final Order because one or more Violations in the group are linked to another Final Order for the Enforcement Action.	The Violation Group cannot be linked to a Final Order if one or more Violations in the group are linked to another Final Order for the Enforcement Action. Note: this refers to the Enforcement Action / Final Order combination that Violations are being linked to.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV110	The Violation Date <Violation Date value> of the Violation Group must be less than or equal to the Final Order Issued/Entered Date <Final Order Issued/Entered Date value>.	The Violation Group cannot be linked to a Final Order unless the Violation Date of the group is less than or equal to the Final Order Issued/Entered Date. Violation Date varies by the Violation Group: • Permit Schedule Violation: Schedule Date • Compliance Schedule Violation: Schedule Date • Discharge Monitoring Report Violation: Monitoring Period End Date • Discharge Monitoring Report Parameter Violation: Monitoring Period End Date • Single Events Violation: Single Event Violation Date Note: this refers to the Enforcement Action / Final Order combination that Violations are being linked to.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
FOV120	An error has occurred while processing the data for this Final Order Violation Linkage. No data were saved for this transaction, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully, roll back all changes for the XML transaction.	Reject entire Enforcement Action Linkage or Final Order Linkage transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier and: Narrative Condition Number, Narrative Condition Code, Schedule Event Code, Schedule Date or Compliance Schedule Number, Schedule Event Code, Schedule Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date or Permitted Feature Identifier, Limit Set Designator, Monitoring Period End Date, Parameter Code, Monitoring Site Description Code, Limit Season Number or Single Event Violation Code, Single Event Violation Date

9.1.25 Compliance Schedule Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a compliance schedule transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Compliance Schedule. Valid Transaction Type are X (Mass Delete) and R (Replace).	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT020	User <ID value> does not have privileges to perform a <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state), and sensitive data privileges. Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS030	The combination of Enforcement Action Identifier, Final Order Identifier, Permit Identifier, and Compliance Schedule Number must already exist in ICIS.	The combination of Enforcement Action Identifier, Final Order Identifier, NPDES ID, and Compliance Schedule Number must exist in ICIS.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS031	The Enforcement Action in ICIS must represent a State Enforcement Action.	The existing Enforcement Action in ICIS must be a state Activity (i.e., state_epa_flag = S) in the ICIS_ACTIVITY table.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS040	The Permit Identifier must already exist in ICIS and must be linked to the Final Order.	The NPDES ID must exist in ICIS and must be a linked Facility Interest for the Final Order. Note: This business rule is not checked for Replace transactions where the Compliance Schedule exists in ICIS.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS041	The combination of Enforcement Action Identifier and Final Order Identifier must already exist in ICIS.	The combination of Enforcement Action Identifier and Final Order Identifier must exist in ICIS. Note: This business rule is not checked for Replace transactions where the Compliance Schedule exists in ICIS.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CS050	The Compliance Schedule must include one or more Compliance Schedule Events.	A Compliance Schedule must include one or more Compliance Schedule Events.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS070	Schedule Descriptor Code <Narrative Condition Code value> does not exist or is inactive in the ICIS reference table.	For a Schedule Descriptor Code, the narrative_condition_code must be a valid (i.e., Active) code in the REF_NARRATIVE_CONDITION table.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS080	The Schedule Event <Schedule Event Code value, Schedule Date value> must be unique for the Compliance Schedule. Note: This error message is only issued once for duplicate Schedule Events.	For each Compliance Schedule, the combination of Schedule Event Code and Schedule Date must be unique.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS090	For the Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Event Code does not exist or is inactive in the ICIS reference table. Note: This error message is issued once for each Schedule Event.	Schedule Event Code must be a valid (i.e., Active) code in the REF_SCHEDULE_EVENT table.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS100	For the Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Report Received Date must exist because Schedule Actual Date exists. Note: This error message is issued once for each Schedule Event.	Report Received Date must exist if Actual Date exists.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CS110	For the Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Report Received Date <Schedule Report Received Date value> must be greater than or equal to Schedule Actual Date <Schedule Actual Date value>. Note: This error message is issued once for each Schedule Event.	Report Received Date must be greater than or equal to Actual Date (if Actual Date exists).	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS120	For the Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Report Received Date <Schedule Report Received Date value> must be less than or equal to the current date <Current Date value>. Note: This error message is issued once for each Schedule Event.	Report Received Date must be less than or equal to the current date.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS130	For the Schedule Event <Schedule Event Code value, Schedule Date value>, Schedule Actual Date <Schedule Actual Date value> must be less than or equal to the current date <Current Date value>. Note: This error message is issued once for each Schedule Event.	Actual Date must be less than or equal to the current date.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date
CS140	For the Schedule Event <Schedule Event Code value, Schedule Date value>, Compliance Schedule Penalty Amount <Amount value> cannot be entered because Schedule Event Code is not one of the following: CS001, CS002, CS003, or CS033. Note: This error message is issued once for each Schedule Event.	The Compliance Schedule Penalty Amount cannot be entered unless the Schedule Event Code equals one of the following: CS001, CS002, CS003, or CS033.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CS150	An error has occurred while processing data for this Compliance Schedule, no data was deleted or saved and the XML transaction must be resubmitted.	If Background Processing does not complete successfully for a Compliance Schedule transaction, roll back all changes for the XML transaction.	Reject Compliance Schedule transaction	Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date

9.1.26 Schedule Event Violation Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a narrative condition (permit) or compliance schedule violation transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type must be valid for Schedule Event Violations. The only valid Transaction Type is C (Change).	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code
BAT020	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
VIO030	A Violation identified by the combination of key data must exist in ICIS.	A Violation does not exist for the key data entered. Note: For DMR Violations, the Limit Season Number will display as -1 on the audit report if that was what was submitted. The Numeric Report Violation Code will also display D or E on the audit report.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code
VIO040	For a Violation, the Violation key data must be unique to one record.	Multiple Violations exist that match the key data entered.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code
VIO050	If the Violation transaction contains key data and no other data, ICIS rejects the transaction.	The Violation transaction contains key data and no other data for processing.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code
VIO055	Schedule Event Violations cannot be edited unless the RNC Detection Code, RNC Detection Date, RNC Resolution Code, and RNC Resolution Date that were previously in ICIS all exist. Note: These data elements could be blank if the RNC Tracking Flag was off at or following generation of the violation.	Schedule Event Violations cannot be edited unless the following fields in ICIS all exist: Reportable Non Compliance Detection Code, Reportable Non Compliance Detection Date, Reportable Non Compliance Resolution Code, and Reportable Non Compliance Resolution Date.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
VIO070	If RNC Detection Code exists, then all RNC data elements must exist.	All RNC data elements must exist because Reportable Non Compliance Detection Code exists.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code
VIO120	If RNC Detection Code is automatic (rnc_detection_entry_code_flag = A), then RNC Resolution Code must be valid (i.e. Active), must be a manual code (rnc_resolution_code_entry = Manual) or must be the automatic code of 1 (NC - Unresolved RNC), and cannot = A (NC - Manual Unresolved RNC) in the REF_RNC_RESOLUTION table.	For the automatically detected Violation, Reportable Non Compliance Resolution Code <Reportable Non Compliance Resolution Code value> does not exist, is inactive, is not a manual code or does not equal the automatic code of 1 (NC - Unresolved RNC), or equals A (NC - Manual Unresolved RNC) in the ICIS reference table.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code
VIO130	If RNC Resolution Code equals A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then RNC Resolution Date must equal the RNC Detection Date.	If Reportable Non Compliance Resolution Code is A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then Reportable Non Compliance Resolution Date <Reportable Non Compliance Resolution Date value> must equal the Reportable Non Compliance Detection Date <Reportable Non Compliance Detection Date value>.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code
VIO140	If RNC Resolution Code does not equal A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then RNC Resolution Date must be: • Less than or equal to the current date • Greater than or equal to the RNC Detection Date	If Reportable Non Compliance Resolution Code is not A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then Reportable Non Compliance Resolution Date <Reportable Non Compliance Resolution Date value> must be less than or equal to the current date <current date value> and greater than or equal to the Reportable Non Compliance Detection Date < Reportable Non Compliance Detection Date value>.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
VIO150	If Background Processing does not complete successfully, roll back all changes for the XML transaction.	An error has occurred while processing the data for this Violation. No data were saved and the XML transaction must be resubmitted.	Reject entire Schedule Event Violation transaction	Permit Identifier, Narrative Condition Number, Schedule Event Code, Schedule Date, Schedule Violation Code Or Enforcement Action Identifier, Final Order Identifier, Permit Identifier, Compliance Schedule Number, Schedule Event Code, Schedule Date, Schedule Violation Code

9.1.27 Single Event Violation Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a single event violation transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Single Event Violations. Valid Transaction Types are N (New), C (Change), R (Replace), and X (Mass Delete).	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV030	A Single Event Violation already exists for the key data entered.	The combination of NPDES ID, Violation Code, and Single Event Violation Date must not already exist in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV040	A Single Event Violation does not exist for the key data entered.	The combination of NPDES ID, Violation Code, and Single Event Violation Date submitted must exist in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SEV045	More than one Single Event Violation exists for the key data entered.	The Single Event Violation identified by the combination of NPDES ID, Violation Code, and Single Event Violation Date submitted must be unique to one record. Note: This business rule is not checked for Replace transactions where the Single Event Violation does not exist in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV050	The Permit has a Permit Type of [NPDES Master General Permit (NGP) or State Issued Master General Permit Non-NPDES (SNN)] which is invalid for a Single Event Violation. **Note:** • In the message above, all Permit Types and their Codes that may have this error are listed in brackets. Only the Permit Type and Code for which this error occurs will be included in the actual error message. • Brackets will not display in the error messages; they just indicate that the message is dynamic.	For a Single Event Violation transaction, the Permit Type for the Permit identified by the NPDES ID cannot be: • NPDES Master General Permit • State Issued Master General Permit (Non-NPDES) Notes: This business rule is not checked for Replace transactions where the Single Event Violation exists in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV060	A Single Event Violation cannot be added because the Permit Identifier does not exist in ICIS.	The NPDES ID entered must exist in ICIS. Note: This business rule is not checked for Replace transactions where the Single Event Violation exists in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV080	Single Event Violation Code <Single Event Violation Code value> entered is not valid for a Single Event Violation, does not exist, or is inactive in the ICIS reference table.	Violation Code must be a valid (i.e., Active) code with a violation_group_code = SEV in the REF_VIOLATION table. Note: This business rule is not checked for Replace transactions where the Single Event Violation exists in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV085	For the Permit Identifier submitted, an Effective Date must exist for the current version of the permit or for previous versions of the permit.	If the Permit Type is not Unpermitted Facility for the NPDES ID entered, then there must be at least one version of the permit with an Effective Date. Note: This business rule is not checked for Replace transactions where the Single Event Violation exists in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
SEV090	The Single Event Violation Date <Single Event Violation Date value> must be greater than or equal to the Permit Effective Date <original Permit Effective Date value> of the original version of the permit.	For the NPDES ID submitted, Single Event Violation Date must be greater than or equal to the Effective Date of the original version of the permit, if that Effective Date exists. Note: This business rule is not checked for Replace transactions where the Single Event Violation exists in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV095	The Single Event Violation Date <Single Event Violation Date value> must be less than or equal to the current date <current date value>.	Single Event Violation Date must be less than or equal to the current date. Note: This business rule is not checked for Replace transactions where the Single Event Violation exists in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV100	The Single Event Violation contains key data and no other data for processing.	If the Single Event Violation transaction contains only key data and no other data, ICIS rejects the Single Event Violation transaction.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV110	The Single Event Violation Start Date must be less than or equal to both the current date <Current Date value> and the Single Event Violation Date.	Single Event Start Date must be • Less than or equal to the current date • Less than or equal to the Single Event Violation Date	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV120	The Single Event Violation End Date must be less than or equal to the current date <Current Date value> and greater than or equal to both the Single Event Violation Date and Single Event Violation Start Date.	Single Event End Date must be: • Less than or equal to the current date • Greater than or equal to the Single Event Start Date • Greater than or equal to the Single Event Violation Date	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
VIO070	All RNC data elements must exist because Reportable Non Compliance Detection Code exists.	If RNC Detection Code exists, then all RNC data elements must exist.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
VIO080	All RNC data elements must be blank because Reportable Non Compliance Detection Code is blank.	If RNC Detection Code is blank, then all RNC data elements must be blank.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
VIO090	Reportable Non Compliance Detection Code <Reportable Non Compliance Detection Code value> does not exist, is inactive, is not a valid manual code, or is not the same as the previously existing automatic code in ICIS.	RNC Detection Code must be a valid (i.e. Active) manual code (rnc_detection_code_entry_flag = M) in the REF_RNC_DETECTION table or must be the same as the previously existing automatic code in ICIS. Valid manual Single Event Violations have a detection_type_code = DIS. Note: Single Event Violations cannot have a previously existing automatic RNC Detection Code in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
VIO100	Reportable Non Compliance Detection Date <Reportable Non Compliance Detection Date value> must be less than or equal to the current date <current date value> and greater than or equal to the Violation Date <Violation Date value>.	RNC Detection Date must be: • Less than or equal to the current date • Greater than or equal to the Violation Date Violation Date varies by the type of Violation: • Effluent: Monitoring Period End Date • Single Event: Single Event Violation Date	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
VIO110	For the manually detected Violation, Reportable Non Compliance Resolution Code <Reportable Non Compliance Resolution Code value> does not exist, is inactive, or is not a manual code in the ICIS reference table.	If RNC Detection Code is manual (rnc_detection_entry_code_flag = M), then RNC Resolution Code must be valid (i.e. Active) and must be a manual code (rnc_resolution_code_entry = Manual) in the REF_RNC_RESOLUTION table. Note: Single Event Violations cannot have automatic RNC Detection Codes.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
VIO130	If Reportable Non Compliance Resolution Code is A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then Reportable Non Compliance Resolution Date <Reportable Non Compliance Resolution Date value> must equal the Reportable Non Compliance Detection Date <Reportable Non Compliance Detection Date value>.	If RNC Resolution Code equals A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then RNC Resolution Date must equal the RNC Detection Date.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
VIO140	If Reportable Non Compliance Resolution Code is not A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then Reportable Non Compliance Resolution Date <Reportable Non Compliance Resolution Date value> must be less than or equal to the current date <current date value> and greater than or equal to the Reportable Non Compliance Detection Date < Reportable Non Compliance Detection Date value>.	If RNC Resolution Code does not equal A (NC - Manual Unresolved RNC) or 1 (NC - Unresolved RNC), then RNC Resolution Date must be: • Less than or equal to the current date • Greater than or equal to the RNC Detection Date	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
SEV130	An error has occurred while processing the data for this Single Event Violation. No data were saved for this Single Event Violation, and the XML transaction must be resubmitted	If Background Processing does not complete successfully, roll back all changes for the XML transaction. Note: This business rule does not apply for Replace transactions where the Single Event Violation does not exist in ICIS.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date

9.1.1 Copy Master General Permit Limit Set to General Permit Covered Facility Error Messages

The table below lists error messages that are generated when ICIS-NPDES Batch cannot process a copy master general permit limit set transaction, what caused the error, how the error affected the transaction, and the key fields of the transaction that had the error.

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
BAT010	Transaction Type <Transaction Type value> is not valid for <Submission Type value>.	Transaction Type must be valid for Single Event Violations. Valid Transaction Types are N (New), C (Change), R (Replace), and X (Mass Delete).	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date
BAT020	User <ID value> does not have privileges to perform this <Transaction Type value> <Submission Type value> transaction.	User must have privileges to perform the transaction. This relates to specific roles and access level (HQ, specific region, specific state). Note: ICIS does not have Batch-specific privileges. The privileges for Batch and Web access are the same.	Reject entire Single Event Violation transaction	Permit Identifier, Single Event Violation Code, Single Event Violation Date

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CLS030	The source Permit does not exist for the key data entered.	The source Permit must exist in ICIS.	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier
CLS040	The source Permit Identifier must have a Permit Type of NPDES Master General Permit or State Issued Master General Permit (Non-NPDES).	The source Permit must have a Permit Type of NPDES Master General Permit or State Issued Master General Permit (Non-NPDES).	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier
CLS050	The source Permit cannot have a reissuance in progress.	The source Permit cannot have a reissuance in progress. Note: this business rule does not exist in the ICIS web application.	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier
CLS060	The source Permitted Feature does not exist for the key data entered.	The source Permitted Feature must exist in ICIS.	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier
CLS070	The source Limit Set does not exist for the key data entered.	The source Limit Set must exist in ICIS.	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier
CLS080	The target Permit does not exist for the key data entered.	The target Permit must exist in ICIS.	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier, Limit Set Designator
CLS090	The target Permit Identifier must have a Permit Type of General Permit Covered Facility.	The target Permit must have a Permit Type of General Permit Covered Facility.	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier, Limit Set Designator
CLS100	The target Permit cannot have a reissuance in progress.	The target Permit cannot have a reissuance in progress. Note: this business rule does not exist in the ICIS web application.	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier, Limit Set Designator
CLS110	The Permit Identifier of the target General Permit Covered Facility is not associated with the Permit Identifier of the source Master General Permit.	The Associated MGP NPDES ID of the target General Permit Covered Facility must equal the NPDES ID of the source Master General Permit.	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier, Limit Set Designator
CLS120	A target Limit Set already exists for the key data entered.	The target Limit Set must not exist in ICIS.	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier, Limit Set Designator

Error/Warning Code	Error/Warning Message	Reason for Error	Result of Error or Warning	Key Fields of Record Affected
CLS130	An error has occurred while processing the data for this Copy MGP Limit Set transaction. No data were saved, and the XML transaction must be resubmitted.	If Background Processing does not complete successfully, roll back all changes for the XML transaction.	Reject entire Copy MGP Limit Set transaction	Permit Identifier, Permitted Feature Identifier, Limit Set Designator

For errors beginning with PF see Section 9.1.9.

For errors beginning with LS see Section 9.1.10.

9.2 SCHEMA VALIDATION ERROR MESSAGES

XML submission files must be validated against the ICIS Batch schema with a Schema validator package such as XMLSpy or Stylus Studio before they are submitted to CDX. If all XML submission files within the same zipped file are well formed and valid according to the ICIS-NPDES schema, the CDX node will return this downloadable SOAP message or the CDX Web form for ICIS will display this message in the <return> tag of the "submission-metadata.xml" file for the batch in the Transaction History screen:

```
<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
- <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:tns="http://www.neien.org/schema/v1.0/validator.wsdl" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:typens="http://www.neien.org/schema/v1.0/validator.xsd"
    xmlns:dime="http://schemas.xmlsoap.org/ws/2002/04/dime/wsdl/" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
- <SOAP-ENV:Body>
- <mns:SchemaValidateResponse xmlns:mns="http://www.neien.org/schema/v1.0/validator.xsd" SOAP-
    ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
<return xsi:type="xsd:string">Congratulations! The document, HQ001TEST.xml, is valid according to the schema.</return>
    </mns:SchemaValidateResponse>
    </SOAP-ENV:Body>
    </SOAP-ENV:Envelope>
```

The message immediately below indicates that an XML submission file was able to be sent to ICIS-NPDES Batch for processing. However, if a submission file is not well formed or is invalid according to the ICIS Schema, CDX will capture the first 100 errors and set the status of the submission to "Failed". If the XML submission file is sent to CDX through its node, CDX will provide the errors in a downloadable SOAP message like the example shown below or the CDX Web form for ICIS will display this message in the "submission-metadata.xml" file for the batch in the Transaction History screen.

```
<?xml version="1.0" encoding="UTF-8" standalone="no" ?>
- <SOAP-ENV:Envelope xmlns:SOAP-ENV="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:tns="http://www.neien.org/schema/v1.0/validator.wsdl" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:typens="http://www.neien.org/schema/v1.0/validator.xsd"
    xmlns:dime="http://schemas.xmlsoap.org/ws/2002/04/dime/wsdl/" xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:SOAP-ENC="http://schemas.xmlsoap.org/soap/encoding/">
  - <SOAP-ENV:Body>
    - <mns:SchemaValidateResponse xmlns:mns="http://www.neien.org/schema/v1.0/validator.xsd" SOAP-
        ENV:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
      <return xsi:type="xsd:string">The document,\\cdxprepnetapp1\QA_Temp\e1a14bae-fcd8-41d1-87a6-3eec4cee65cf0, contains the
following error(s): Error at line 4 column 40 : The ' http://www.exchangenetwork.net/schema/icis/1:Id' element is invalid - The value
'12345678901234567890123456789O1' is invalid according to its datatype '
http://www.exchangenetwork.net/schema/icis/1:StringMin3Max30Type' - The actual length is greater than the MaxLength value.</return>
    </mns:SchemaValidateResponse>
    </SOAP-ENV:Body>
    </SOAP-ENV:Envelope>
```

This table provides the general schema validation error messages that appear in a CDX, Stylus Studio or XMLSpy during XML schema validation, or appear in the PDF returned by ICIS, including an explanation of what caused the error and hints on how to fix the error.

Source of Error Message	Error/Warning Message	Reason for Error	Error Resolution

Source of Error Message	Error/Warning Message	Reason for Error	Error Resolution
CDX	Congratulations! The document, **xxx**.xml, is valid according to the schema	The XML named xxx in the zipped submission file passed CDX schema validation checks and can be processed by ICIS-NPDES Batch.	Check the results of the submission in ICIS-NPDES by viewing the Batch Audit reports.
CDX	Submission Error: An internal error occurred	A file other than a zip compressed file was uploaded or the zip compressed file contained files other than XMLs, a tag is missing its start or end tag,or the Payload tag is missing its Operation attribute.	Check to make sure the submittal file is zipped and contains only XML instance documents, open the XML file with Internet Explorer to find the tag missing its start or end tag then fix the XML file to have the expected start and end tags, or add the correct Operation attribute to the Payload tag.
CDX	The ':**xxx**' element is invalid - The value '**y**' is invalid according to its datatype	Data for the element **xxx** is in the wrong length, has an invalid code, does not match the expected format, has an invalid date or time is invalid.	Check the Data Exchange Template to find the characteristics of element **xxx** and fix the data to have the correct length, code, format, or valid day for the month time to have no more than 60 minutes or seconds.

Source of Error Message	Error/Warning Message	Reason for Error	Error Resolution
CDX	The element '**xxx**' in namespace 'http://www.exchangenetwork.net/schema/icis/1' has invalid child element '**yyy**' in namespace 'http://www.exchangenetwork.net/schema/icis/1'. List of possible elements expected: '**zzz**' in namespace 'http://www.exchangenetwork.net/schema/icis/1' '.	The element named **zzz** is missing below the parent block named **xxx** from the XML.	Check the Example XML Instance Document example and fix the XML to have the missing element before the element named **yyy**, or remove the Property parent element if all its child elements are missing and not needed.
CDX	The element **'xxx'** in namespace 'http://www.exchangenetwork.net/schema/icis/1' cannot contain text. List of possible elements expected: **'yyy'**, '**zzz'**	The parent tag named **xxx** has data instead of its child tag(s) named **yyy**, **zzz**.	Check the Example XML Instance Document example and fix the XML file to have the expected child tags instead of data for parent element **xxx**.

Source of Error Message	Error/Warning Message	Reason for Error	Error Resolution
CDX	The element **'xxx'** in namespace 'http://www.exchangenetwork.net/schema/icis/1' has incomplete content. List of possible elements expected: **'yyy'**, '**zzz'**	The parent tag named **xxx** has data instead of its child tag(s) named **yyy**, **zzz**, or is missing one of its mandatory elements.	Check the Example XML Instance Document example and fix the XML file to have the expected child tags instead of data for parent element **xxx**.
CDX	The element **'xxx'** in namespace 'http://www.exchangenetwork.net/schema/icis/1' has incomplete content. List of possible elements expected: **'yyy'** in namespace 'http://www.exchangenetwork.net/schema/icis/1'	The parent element named xxx is missing all of its child tags.	Check the Example XML Instance Document example and fix the submission file to have its child tags in the order expected.

Source of Error Message	Error/Warning Message	Reason for Error	Error Resolution
CDX	The element **'xxx'** in namespace 'http://www.exchangenetwork.net/schema/icis/1' has invalid child element **'yyy'** in namespace 'http://www.exchangenetwork.net/schema/icis/1'. List of possible elements expected: **'zzz'** in namespace 'http://www.exchangenetwork.net/schema/icis/1'.</	The parent element named **xxx** is missing a mandatory child tag named **zzz** and found a child tag named **yyy** instead.	Check the Example XML Instance Document example and fix the submission file to have the mandatory child tag **zzz** under the parent tag **xxx** in the order expected.
CDX	The 'Operation' attribute is invalid - The value '**xxx**' is invalid according to its datatype 'http://www.exchangenetwork.net/schema/icis/1':OperationType' - The Enumeration constraint failed.	The Payload tag has an invalid Operation attribute.	Check the Example XML Instance Document example and fix the XML file to have its Payload tag contain the correct attribute for Operation.

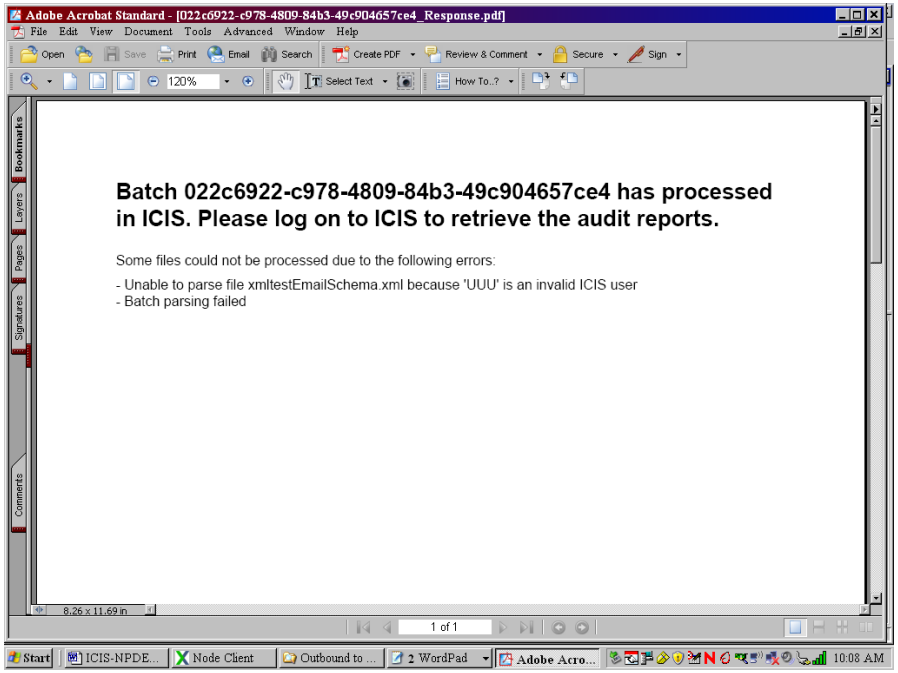
Source of Error Message	Error/Warning Message	Reason for Error	Error Resolution
CDX	Warning: Matching schema not found for at least part of the document, please check the namespace of your XML element - Could not find schema information for the element	The XML document is missing the namespace or has an incorrect namespace causing CDX to not be able to validate the XML against the ICIS schema.	Make sure the <Document> tag of the XML file matches the text in bold below: `<Document xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" **xmlns="http://www.exchangenetwork.net/schema/icis/1"**>`
ICIS PDF	Unable to parse file **xxx** because **yyy** is an invalid user.	ICIS-NPDES Batch received the XML instance document named xxx from CDX but could not process it because either an invalid ICIS user ID was specified in the <Id> tag or the ICIS user ID was valid but did not have the rights to apply the add, change and/or delete transactions in the XMl instance document.	Fix the XML file to have a valid ICIS user ID in the <Id> tag with rights to add, change and delete records and resubmit the file.
XMLSpy	Required attribute 'Operation' is missing from element 'Payload'.	The Payload element is missing its Operation attribute.	Check the Example XML Instance Document example and fix the XML to have "DischargeMonitoringReportSubmission" as the Operation attribute of the Payload element.
XMLSpy	Text '**xxx**' is not allowed for element '**yyy**'. The element declaration's content type is element-only.	The parent element named **xxx** can only have child elements instead of data but data was found.	Check the Example XML Instance Document example and fix the XML to have child elements under parent element **xxx** instead of data.

Source of Error Message	Error/Warning Message	Reason for Error	Error Resolution
XMLSpy	The content for element '**xxx'** is incomplete. Expected: **yyy**	The element named **xxx** is missing below the parent block named **yyy** from the XML.	Check the Example XML Instance Document example and fix the XML to have the missing element, or remove the Property parent element if all its child elements are missing and not needed.
XMLSpy	The content for element '**xxx'** is incomplete. Expected: **yyy**	The mandatory element named **yyy** is missing from or in the wrong position of the XML.	Check the Example XML Instance Document example and fix the XML to have the element named **yyy** in its proper location.
XMLSpy	The content of element 'icis:**xxx**' is not valid according to its type definition 'xs:**yyy'**	Data for the element **xxx** is in the wrong length, has an invalid code, does not match the expected format, has an invalid date or time is invalid.	Check the Data Exchange Template to find the characteristics of element **xxx** and fix the data to have the correct length, code, format, valid day for the month time to have no more than 60 minutes or seconds.
XMLSpy	Unexpected element '**xxx'** in element 'SchemasVersion'. Expected: **yyy**	One or more of the elements under the **yyy** parent block are in the wrong position of the XML, or the mandatory parent block named **xxx** is missing from the XML.	Check the Example XML Instance Document example and fix the XML to have all of the elements in their proper location and the mandatory parent block **xxx** present.
XMLSpy	Value '**xxx'** of attribute 'Operation' is does not match simple type 'icis:OperationType'.	The Operation attribute of the Payload element is not "DischargeMonitoringReportSubmission"	Check the Example XML Instance Document example and fix the XML to have "DischargeMonitoringReportSubmission" as the Operation attribute of the Payload element.
XMLSpy	**Xxx** closing element name expected.	The parent element named **xxx** is missing its end tag or one of its child elements is missing its start tag.	Check the Example XML Instance Document example and fix the XML to have start tag for the child elements of the parent block named xxx, or the parent block named **xxx** to have its end tag.

Source of Error Message	Error/Warning Message	Reason for Error	Error Resolution
XMLSpy	**xxx** closing element name expected.	A child element of the parent block named **xxx** is missing its start tag, or the parent block itself is missing its end tag in the XML.	Check the Example XML Instance Document example and fix the XML to have the child element of **xxx** to have its start tag, or the parent element to have its end tag.

9.3 ICIS-NPDES UNEXPECTED ERROR MESSAGES

If an XML submission file encounters an unexpected error when trying to process the submission file that keeps the data from being parsed into the ICIS database, an error will be reported in a PDF file that can be downloaded from CDX. This is an example of a PDF where the <Id> tag contains a User ID that does not exist in ICIS.



9.4 CDX NODE SUBMITTAL ERROR MESSAGES

This table lists SOAP error messages that may be encountered by a state or tribe's Full Node while interacting with CDX to submit files to ICIS-NPDES Batch, along with an explanation on why an error occurred and how to fix it.

Type of Error	Error.Warning Message	Reason for Error	Error Resolution
SOAP Error	E_UnknownUser	CDX User authentication failed	Use a valid CDX ID and password.
SOAP Error	E_TransactionId	A transaction ID could not be found	Provide the correct transaction ID or redo the transaction to get a new transaction ID.
SOAP Error	E_UnknownMethod	The requested method is not supported	Use the name of an existing CDX or data flow method to be invoked.
SOAP Error	E_AccessDenied	The operation could not be performed due to lack of privilege	Use a valid CDX ID and password that has rights to the desired data flow.
SOAP Error	E_InvalidToken	The securityToken is invalid	Re-authenticate to get a new security token.
SOAP Error	E_TokenExpired	The securityToken has expired	Re-authenticate to get a new security token.
SOAP Error	E_FileNotFound	The requested file could not be located	Contact the CDX Help Desk for assistance.
SOAP Error	E_ValidationFailed	XML schema or schematron validation error	Validate the XML against its schema to find and correct the errors in the XML.
SOAP Error	E_ServerBusy	The service is too busy to handle the request at this time, please try later	Wait 30 minutes and try again.
SOAP Error	E_InvalidFileName	The name element in the nodeDocument structure is invalid	Fix the name to be a valid file name.
SOAP Error	E_InvalidFileType	The type element in the nodeDocument structure is invalid or not supported	Fix the file to be a valid type (ZIP).
SOAP Error	E_InvalidDataFlow	The dataflow element in a request message is not supported	Fix the name to be a valid data flow (ICIS-NPDES).
SOAP Error	E_InvalidParameter	One of the input parameters is invalid	Fix the invalid input parameter.
SOAP Error	E_AuthMethod	The authentication method is not supported	Fix the authentication to a valid method of authentication (password, certificate, SAML)
SOAP Fault	VersionMismatch	The request is a different version of the protocol	Fix the SOAP message to contain a valid namespace.
SOAP Fault	E_InvalidCredential	The user credential is invalid.	Use a valid CDX ID and password.

Type of Error	Error.Warning Message	Reason for Error	Error Resolution
SOAP Fault	E_ServiceUnavailable	The requested data service or web service is undefined.	Use a valid data or web service.
SOAP Fault	E_FeatureUnsupported	The requested feature is not supported.	Contact the CDX Help Desk for assistance.
SOAP Fault	E_Unknown	An unknown or undefined error has occurred.	Contact the CDX Help Desk for assistance.
SOAP Fault	E_RecipientNotSupported	The recipient functionality is not supported	Contact the CDX Help Desk for assistance.
SOAP Fault	E_NotificationURINotSupported	The NotificationURI functionality is not supported.	Contact the CDX Help Desk for assistance.