

ICIS-NPDES Data Exchange Template

Electronic Reporting of DMRs

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1. Introduction

This document presents the Data Exchange Template for the United States Environmental Protection Agency's (U.S. EPA) Integrated Compliance Information System – National Pollutant Discharge Elimination System (ICIS-NPDES) flow of Electronic Discharge Monitoring Report (DMR) data through the Exchange Network in XML format.

2. Data Exchange Template

The ICIS-NPDES template is given in Section 3. The columns in it are:

- Element Name
- Example
- Required
- Repeatable
- Description
- XML Data Type
- Schema Max Restriction
- Schema Min Restriction
- Business Rules
- Schema File Name
- Module
- EPA Data Standard
- PCS Acronym
- IDEF Tag Name

Elements to be provided to ICIS in XML instance documents are listed in the Data Exchange Template in alphabetical order. Element names follow the Exchange Network's camelcase naming standards, and any element that matches EPA's XML data standards and guidelines that were in place as of January 1, 2004 is named according to the matching standard.

In the Data Exchange Template, each element has an example of usage within the instance document, tells whether it is required, has a description of the data to be contained within the element, the XML datatype (string, date, integer), the maximum and minimum lengths of the contained data, special handling or reference table association for business rules, the name of the schema globalizing the element, the name of the XML instance document(s) providing the element, the module or parent of the element, whether the element meets an EPA data standard, the corresponding PCS field acronym, and the corresponding IDEF tag name.

Some elements appear in more than one XML instance document or within the same XML instance document with different parent tags. These elements have more than one entry under the XML Instance Document column and/or more than one entry under the Module column.

Appendix A – Data Exchange Template for the Electronic Reporting of DMRs to ICIS

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
AgronomicDMTRateForField	<AgronomicDMTRateForField>845</AgronomicDMTRateForField>	No	No	The amount of application based on agronomic rate, including the Annual Application Rate for septage measured in dry metric tons.	xsd:integer	5	1	positive integer	Discharge Monitoring Report	LandApplicationSite				
AgronomicGallonsRateForField	<AgronomicGallonsRateForField>9554</AgronomicGallonsRateForField>	No	No	The amount of application based on agronomic rate, including the Annual Application Rate for septage measured in gallons.	xsd:integer	5	1	positive integer	Discharge Monitoring Report	LandApplicationSite				
BerylliumComplianceIndicator	<BerylliumComplianceIndicator>Y</BerylliumComplianceIndicator>	No	No	Indicates whether the facility is in compliance with the National Emission Standard for beryllium in 40 CFR Part 61.	xsd:string	1	1	Y N *	Discharge Monitoring Report	Incinerator	Y			
CertificationStatementIndicator	<CertificationStatementIndicator>Y</CertificationStatementIndicator>	No	No	Indicates whether the facility certifies the usage of surface disposal management practices	xsd:string	1	1	Y N *	Discharge Monitoring Report	SurfaceDisposalSite				
CertifierFirstName	<CertifierFirstName>John</CertifierFirstName>	No	No	The first name of the person at the facility responsible for certifying the usage of surface disposal management practices	xsd:string	30	1		Discharge Monitoring Report	SurfaceDisposalSite				
CertifierLastName	<CertifierLastName>Y</CertifierLastName>	No	No	The last name of the person at the facility responsible for certifying the usage of surface disposal	xsd:string	30	1		Discharge Monitoring Report	SurfaceDisposalSite				

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				management practices										
ClassAAlternativesText	<ClassAAlternativesText>Heat Treatment</ClassAAlternativesText>	No	No	The description of the Class A pathogen reduction alternative used when the ClassAAlternativeUsedCode is "Other".	xsd:string	4000	1		Discharge Monitoring Report	LandApplicationSite, SurfaceDisposalSite				
ClassAAlternativeUsed	<ClassAAlternativeUsed>DTU</ClassAAlternativeUsed>	No	No	The code representing the Class A pathogen reduction alternative used.	xsd:string	3	1	See ref_alternative_used table for acceptable values	Discharge Monitoring Report	LandApplicationSite, SurfaceDisposalSite	Y			
ClassBAlternativesText	<ClassBAlternativesText>Mesophilic anaerobic digestion</ClassBAlternativesText>	No	No	The description of the Class B pathogen reduction alternative used when the ClassBAlternativeUsedCode is "Other".	xsd:string	4000	1		Discharge Monitoring Report	LandApplicationSite, SurfaceDisposalSite				
ClassBAlternativeUsed	<ClassBAlternativeUsed>SIG</ClassBAlternativeUsed>	No	No	The code representing the Class B pathogen reduction alternative used.	xsd:string	3	1	See ref_alternative_used table for acceptable values	Discharge Monitoring Report	LandApplicationSite, SurfaceDisposalSite	Y			
CoDisposalSite	<CoDisposalSite><></CoDisposalSite>	No	No	The parent of codisposal site elements					Discharge Monitoring Report	DischargeMonitoringReport				
ConcentrationNumericReportUnitMeasureCode	<ConcentrationNumericReportUnitMeasureCode>01</ConcentrationNumericReportUnitMeasureCode>	No	No	The code representing the unit of measure for the concentration measurement for the given parameter and limit set.	xsd:string	2	1	See ref_unit table for acceptable values	Discharge Monitoring Report	ReportParameter	Y		RCUN	Unit_Code

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
CropTypesHarvested	<CropTypesHarvested>CO</CropTypesHarvested>	No	Yes	The code that represents the type of crops harvested on sludge amended fields. This tag may appear more than once in the XML file.	xsd:string	3	1	See ref_harvest_crop_type table for acceptable values	Discharge Monitoring Report	LandApplicationSite			SLCT	Crop_Type_Code
CropTypesPlanted	<CropTypesPlanted>WH</CropTypesPlanted>	No	Yes	The code that represents the type of crops planted on sludge amended fields. This tag may appear more than once in the XML file.	xsd:string	3	1	See ref_plant_crop_type table for acceptable values	Discharge Monitoring Report	LandApplicationSite	Y		SLCT	Crop_Type_Code
DataService	<DataService>ICIS</DataService>	No	No	The name of the EPA data service or flow the XML was generated for.	xsd:string	4	4	ICIS	Header	Header				
DischargeMonitoringReport	<DischargeMonitoringReport> <> </DischargeMonitoringReport>	Yes	No	The parent of discharge monitoring report elements					Discharge Monitoring Report	DischargeMonitoringReportData				
DischargeMonitoringReportData	<DischargeMonitoringReportData> <> </DischargeMonitoringReportData>	Yes	Yes	The parent of discharge monitoring report data elements					ICIS	Payload		Yes		
DMRNoDischargeIndicator	<DMRNoDischargeIndicator>K</DMRNoDischargeIndicator>	Yes	No	The code that represents why a discharge is not being reported on a DMR for all parameters in a limit set.	xsd:string	3	1		Discharge Monitoring Report	DischargeMonitoringReport	Y			
DMRNoDischargeReceivedDate	<DMRNoDischargeReceivedDate>2005-12-31</DMRNoDischargeReceivedDate>	Yes	No	The date the notification of no discharge was received by the permitting authority.	xsd:date	10	10		Discharge Monitoring Report	DischargeMonitoringReport	Y			

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
Document	<Document xmlns="http://www.exchangenetwork.net/schema/draft/ics" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.exchangenetwork.net/schema/draft/ics/ICIS_v1.3.xsd">	No	No	The root element for all XML instance documents submitted to ICIS. Attributes for this tag include schemaLocation which needs to match the name of the ICIS schema file used to validate the XML instance document against.	N/A	N/A	N/A	N/A	Header	N/A				
Document	<Document xmlns="http://www.exchangenetwork.net/schema/ics/2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"><</Document>	Yes	No	The root element of the XML document					ICIS			Yes		
Header	<Header><</Header>	Yes	No	Parent tag for all header elements	N/A	N/A	N/A	N/A	Header	Document				
Header	<Header><</Header>	Yes	No	The parent of header elements					Header	Document		Yes		
Incinerator	<Incinerator><</Incinerator>	No	No	The parent of incinerator site elements					Discharge Monitoring Report	DischargeMonitoringReport				
LandApplication Site	<LandApplicationSite><</LandApplicationSite>	No	No	The parent of land application site elements					Discharge Monitoring Report	DischargeMonitoringReport				

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
LimitSeasonNumber	<LimitSeasonNumber>0</LimitSeasonNumber>	Yes	No	Unique number that identifies a particular seasonal limit for the same parameter within a single limit start and end date. Use a -1 to have ICIS default to the matching limit's season number.	xsd:integer	2	1	-1 0-12	Key Elements	DischargeMonitoringReport	Y		SEAN	Season_Number
LimitSetDesignator	<LimitSetDesignator>A</LimitSetDesignator>	Yes	No	The unique identifier for a particular grouping of limit parameters for a given outfall or discharge point for reporting purposes.	xsd:string	2	1		Key Elements	DischargeMonitoringReport	Y		DRID	Report_Designator
ManagementPracticesIndicator	<ManagementPracticesIndicator>Y</ManagementPracticesIndicator>	No	No	Indicates whether the facility met management practices for the surface disposal site.	xsd:string	1	1	Y N *	Discharge Monitoring Report	SurfaceDisposalSite				
MercuryComplianceIndicator	<MercuryComplianceIndicator>N</MercuryComplianceIndicator>	No	No	Indicates whether the facility is in compliance with the National Emission Standard for mercury in 40 CFR Part 61.	xsd:string	1	1	Y N *	Discharge Monitoring Report	Incinerator	Y			
MonitoringPeriodEndDate	<MonitoringPeriodEndDate>2008-12-31</MonitoringPeriodEndDate>	Yes	No	The date monitoring of a pollutant discharge was completed.	xsd:date	10	10	ccyy-mm-dd	Key Elements	DischargeMonitoringReport	Y		MVDT	Monitoring_Period_End_Date
MonitoringSiteDescriptionCode	<MonitoringSiteDescriptionCode>SL</MonitoringSiteDescriptionCode>	Yes	No	The code that represents the description of the monitoring site.	xsd:string	3	1	See ref_monitoring_location table for acceptable values	Key Elements	DischargeMonitoringReport	Y	Description	MLOC	Monitoring_Location_Type_Code

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
name	<name>Source</name>	Yes if the Property parent tag is present	No	The name indicating what CDX or ICIS Batch activity to perform. If <name> is set to "Source" ICIS returns accepted and rejected processing results in XML format.	xsd:string	13	13	e-mail Source	Header	Property				
NumericConditionAdjustedQuantity	<NumericConditionAdjustedQuantity>25.001</NumericConditionAdjustedQuantity>	No	No	The actual value measured plus or minus the effluent trading value.	xsd:integer	8	1	positive integer with floating decimal	Discharge Monitoring Report	NumericReport				
NumericConditionQualifier	<NumericConditionQualifier>></NumericConditionQualifier>	No	No	The code that qualifies the number as a value that is greater than, less than, and/or equal to the limit. For DMR values, this field may also indicate if the value is estimated or too numerous to count.	xsd:string	3	1	See ref_value_qualifier table for acceptable values	Common	NumericReport NumericCondition	Y	Description	LCMN*, LCMX*, LCAV*, LQMX*, LQAV*, MCMN*, MCMX*, MCAV*, MQAV*, MQMX*	
NumericConditionQuantity	<NumericConditionQuantity>300.5</NumericConditionQuantity>	No	No	The numeric value of the quantity or concentration measurement of the parameter and limit set.	xsd:integer	8	1	positive or negative integer with floating decimal	Common	NumericReport NumericCondition	Y	Yes	LCMN, LCMX, LCAV, LQMX, LQAV, MCMN, MCMX, MCAV, MQAV, MQMX	Value
NumericReport	<NumericReport><></NumericReport>	No	Up to 5 times	The parent of numeric report elements					Discharge Monitoring Report	ReportParameter				
NumericReportCode	<NumericReportCode>Q1</NumericReportCode>	Yes	No	The code that identifies whether the measured value is for one of two available	xsd:string	2	2	See ref_value_type table for acceptable values	Key Elements	DischargeMonitoringReport	Y			Value_Type

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				quantities or three available concentrations.										
NumericReportNoDischargeIndicator	<NumericReportNoDischargeIndicator>K</NumericReportNoDischargeIndicator>	No	No	The code that represents why a discharge is not being reported on a DMR for the parameter and limit set.	xsd:string	3	1	See ref_nodi table for acceptable values	Discharge Monitoring Report	NumericReport	Y		NODI	No_Data_Indicator_Code
NumericReportReceivedDate	<NumericReportReceivedDate>2005-12-31</NumericReportReceivedDate>	No	No	The date the DMR was received by the regulatory authority.	xsd:date	10	10	ccyy-mm-dd	Discharge Monitoring Report	NumericReport	Y		DMRR	Report_Received_Date
Organization	<Organization>UU Department of Environmental Protection</Organization>	No	No	The name of the company or Environmental Agency of individual generating XML file.	xsd:string	150	1		Header	Header				Schema_Version
PaintFilterTestResult	<PaintFilterTestResult>P</PaintFilterTestResult>	No	No	The code that represents whether the test result was for paint or for filter.	xsd:string	1	1	P - Pass F - Fail * - blank out field	Discharge Monitoring Report	CoDisposalSite				
ParameterCode	<ParameterCode>50050</ParameterCode>	Yes	No	The code that represents a pollutant or measurable characteristic that can be measured or limited.	xsd:string	5	1	See ref_parameter table for acceptable values	Key Elements	DischargeMonitoringReport	Y		PRAM, VPRM	Parameter_Code
Part258ComplianceIndicator	<Part258ComplianceIndicator>Y</Part258ComplianceIndicator>	No	No	Indicates whether the facility is in compliance with Part 258 sludge requirements.	xsd:string	1	1	Y N *	Discharge Monitoring Report	CoDisposalSite				
PathogenReductionIndicator	<PathogenReductionIndicator>Y</PathogenReductionIndicator >	No	No	Indicates whether the facility certifies pathogen reduction for surface disposal.	xsd:string	1	1	Y N *	Discharge Monitoring Report	LandApplicationSite, SurfaceDisposalSite	Y			

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
Payload	<Payload Operation="DischargeMonitoringReportSubmission">	Yes	No	Indicates the type of submission in the Operation attribute.	N/A	N/A	N/A	DischargeMonitoringReportSubmission	Header	Document				
PermitIdentifier	<PermitIdentifier> ZZ1005932</PermitIdentifier>	Yes	Yes for Formal Enforcement and Informal Enforcement Action 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 in the Compliance Monitoring, Event Report, Program Report, Formal Enforcement Action, Informal Enforcement Action, Final Order, Subactivity, Compliance Schedule, Schedule Violation (<ComplianceScheduleEventViolationKeyElements>) and Single Event Violation XML submission files but not all at the same time. If <LinkedFacility> is used, either the <FacilityRegistryIdentifier> or the tags under the <FacilityLocationAddress> parent tag must be included	xsd:string	9	9		Key Elements	DischargeMonitoringReport	Y	Yes	NPID*, SLID	Environmental_Information_System_Identification_Number

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				with it in the Compliance Monitoring, Event Report, Program Report, Formal Enforcement Action, Informal Enforcement Action, Final Order, Subactivity, Compliance Schedule and Single Event Violation XML submission files but not all at the same time. If <PermitIdentifier> is used the <FacilityRegistryIdentifier> or the tags under the <FacilityLocationAddress> parent tag are not needed.										
PermittedFeatureIdentifier	<PermittedFeatureIdentifier>001</PermittedFeatureIdentifier>	Yes	No	Unique identifier assigned for each location where conditions are being applied. For NPDES permits, this is a pipe or outfall number. Either <PermittedFeatureIdentifier> or <CSOOverflowLocationStreet> or <LatitudeMeasure> + <LongitudeMeasure> must be in the CSO XML submission files but not all at the same time.	xsd:string	4	3		Common	DischargeMonitoringReport	Y	Yes	DSCH	Discharge_Number

ICIS-NPDES Data Exchange Template

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
PollutantMetForLandApplication	<PollutantMetForLandApplication>0001</PollutantMetForLandApplication>	No	No	The code that represents the pollutant that was met by the facility for land application.	xsd:integer	10	1	See ref_pollutant_table table for acceptable values	Discharge Monitoring Report	LandApplicationSite	Y			
PrincipalExecutiveOfficerFirstName	<PrincipalExecutiveOfficerFirstName>John</PrincipalExecutiveOfficerFirstName>	No	No	The first name of the principal executive officer responsible for DMRs at the facility.	xsd:string	30	1		Discharge Monitoring Report	DischargeMonitoringReport				
PrincipalExecutiveOfficerLastName	<PrincipalExecutiveOfficerLastName>Doe</PrincipalExecutiveOfficerLastName>	No	No	The surname of the principal executive officer responsible for DMRs at the facility.	xsd:string	30	1		Discharge Monitoring Report	DischargeMonitoringReport				
PrincipalExecutiveOfficerTelephone	<PrincipalExecutiveOfficerTelephone>8005551212</PrincipalExecutiveOfficerTelephone>	No	No	The telephone number of the principal executive officer responsible for DMRs at the facility. Only numbers without spaces are allowed.	xsd:string	10	7		Discharge Monitoring Report	DischargeMonitoringReport				
PrincipalExecutiveOfficerTitle	<PrincipalExecutiveOfficerTitle>Chief Executive Officer</PrincipalExecutiveOfficerTitle>	No	No	The title of the principal executive officer responsible for DMRs at the facility.	xsd:string	40	1		Discharge Monitoring Report	DischargeMonitoringReport				
Property	<Property> <name>...</name> > </Property>	No	Yes	Parent tag for name and value tags. This tag is used to identify the submitter type. Examples for using this tag: <name>Source</name> <value>FullBatch</value> </Property>	N/A	N/A	N/A	N/A	Header	Header				

ICIS-NPDES Data Exchange Template

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
QuantityNumericReportUnitMeasureCode	<QuantityNumericReportUnitMeasureCode>01</QuantityNumericReportUnitMeasureCode>	No	No	The code representing the unit of measure for the quantity measurement for the given parameter and limit set.	xsd:string	2	1	See ref_unit table for acceptable values	Discharge Monitoring Report	ReportParameter	Y		RUNT	Unit_Code
ReportCommentText	<ReportCommentText>Second time report was late</ReportCommentText>	No	No	Free form text field pertaining to the discharge monitoring report.	xsd:string	4000	1		Discharge Monitoring Report	DischargeMonitoringReport				
ReportingFrequencyCode	<ReportingFrequencyCode>01/07</ReportingFrequencyCode>	No	No	The code that represents how often the DMR report is to be submitted to the state or region.	xsd:string	5	1	See ref_frequency_of_an alysis table for acceptable values	Discharge Monitoring Report	ReportParameter		Description	RFRQ	Frequency_Of_Analysis_Code
ReportNumberOfExcursions	<ReportNumberOfExcursions>3</ReportNumberOfExcursions>	No	No	The number of times a limit was exceeded as reported on the DMR form.	xsd:integer	3	1	positive integer with floating decimal	Discharge Monitoring Report	ReportParameter			REXC	Reported_Number_of_Excursions
ReportParameter	<ReportParameter></ReportParameter>	No	Yes	The parent of report parameter elements					Discharge Monitoring Report	DischargeMonitoringReport				
ReportSampleTypeText	<ReportSampleTypeText>ES</ReportSampleTypeText>	No	No	The code that represents the reported sample type.	xsd:string	3	1	See ref_sample_type table for acceptable values	Discharge Monitoring Report	ReportParameter			RSAM	Sample_Type_Code
SignatoryFirstName	SignatoryFirstName>Jane</SignatoryFirstName>	No	No	The first name of the person responsible for signing DMRs at the facility.	xsd:string	30	1		Discharge Monitoring Report	DischargeMonitoringReport				
SignatoryLastName	<SignatoryLastName>Doe</SignatoryLastName>	No	No	The surname of the person responsible for signing DMRs at the facility.	xsd:string	30	1		Discharge Monitoring Report	DischargeMonitoringReport				

ICIS-NPDES Data Exchange Template

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
SignatoryTelephone	<SignatoryTelephone>8005551212</SignatoryTelephone>	No	No	The telephone number of the person responsible for signing DMRs at the facility. Only numbers without spaces are allowed.	xsd:string	10	1		Discharge Monitoring Report	DischargeMonitoringReport				
SignatureDate	<SignatureDate>2006-12-31</SignatureDate>	No	No	The date the discharge monitoring report was signed.	xsd:date	10	10	ccyy-mm-dd	Discharge Monitoring Report	DischargeMonitoringReport				
SurfaceDisposalSite	<SurfaceDisposalSite><></SurfaceDisposalSite>	No	No	The parent of land surface disposal site elements					Discharge Monitoring Report	DischargeMonitoringReport				
TCLPTestResult	<TCLPTestResult>F</TCLPTestResult>	No	No	The code that represents whether the TCLP test results passed or failed.	xsd:string	1	1	P - Pass F - Fail * - blank out field	Discharge Monitoring Report	CoDisposalSite				
Title	<Title>Facility Submission</Title>	No	No	The type of submission.	xsd:string	150	1	Basic Permit Submission, Biosolids Permit Submission, Biosolids Program Report Submission, CAFO Annual Report Submission, CAFO Inspection Submission, CAFO Permit Submission, Compliance Monitoring Linkage Submission, Compliance Monitoring Submission, Compliance Schedule Submission, CSO Event Report Submission, CSO Inspection Submission, CSO Permit Submission,	Header	Header				Batch_Identification

ICIS-NPDES Data Exchange Template

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
								Discharge Monitoring Report Submission, DMR Violation Submission, Effluent Trade Partner Submission, Enforcement Action Violation Key Submission, Facility Submission, Formal Enforcement Action Submission, General Permit Submission, Informal Enforcement Action Submission, Limit Set Submission, Limits Submission, Master General Permit Submission, Narrative Condition Submission, Permit Reissuance Submission, Permit Schedule Submission, Permitted Feature Submission, Permit Tracking Event Submission, PretreatmentInspecti on Submission, PretreatmentPermit Submission, PretreatmentProgra mSummary Submission, Schedule Event Violation Submission, Single Event Violation Submission, SSO Annual Report Submission, SSO Event Report Submission, SSO Inspection Submission, SSO						

ICIS-NPDES Data Exchange Template

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
								Monthly Event Report Submission, SSO Permit Submission, Subactivity Submission, SW ConstructionPermit Submission, SW Event Report Submission, SW Industrial Permit Submission, SW Inspection Submission, SW MS4 Large Permit Submission, SW MS4 Program Report Submission, SW MS4 Small Permit Submission						
TransactionHeader	<TransactionHeader> <> </TransactionHeader>	Yes	Yes	The parent of transaction header elements					Header	DischargeMonitoringReportData		Yes		
TransactionTimestamp	<TransactionTimestamp>2001-12-17T09:30:47-05:00</TransactionTimestamp>	Yes	No	The date and time the record was generated into the incoming XML from the source system. This information is used to determine what order to process multiple duplicate transactions for the same record.	xsd:string	25	25	ccyy-mm-ddThh:mm:ss-99:00	Header	TransactionHeader				
TransactionType	<TransactionType>N</TransactionType>	Yes	No	Code to Indicate the activity ICIS is to perform on a record. All data families allow adding and editing of records. All data families allow mass deletion of records except limit and limit set -	xsd:string	1	1	C - Change D - Delete N - New R - Replace X - Mass Delete	Header	TransactionHeader				Transaction_Type

ICIS-NPDES Data Exchange Template

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				these allow conditional deletions only.										
value	<value>FullBatch</value>	Yes if the <name> tag is present	No	If the <name> tag is set to "Source" this tag should contain "FullBatch"	xsd:string	no max	1	NetDMR e-DMR any e-mail address	Header	Property				
VARAlternativesText	<VARAlternativesText>Raising the pH</VARAlternativesText>	No	No	The description of the VAR alternative used when the VARAlternativeUsedCode is "Other".	xsd:string	4000	1		Discharge Monitoring Report	LandApplicationSite, SurfaceDisposalSite				
VARAlternativeUsed	<VARAlternativeUsed>INJ</VARAlternativeUsed>	No	No	The code representing the VAR alternative used.	xsd:string	3	1	See ref_alternative_used table for acceptable values	Discharge Monitoring Report	LandApplicationSite, SurfaceDisposalSite	Y			
VectorReductionIndicator	<VectorReductionIndicator>N</VectorReductionIndicator >	No	No	Indicates whether the facility certifies vector attraction reduction for surface disposal.	xsd:string	1	1	Y N *	Discharge Monitoring Report	LandApplicationSite, SurfaceDisposalSite	Y			