Integrated Compliance Information System National Pollutant Discharge Elimination System (ICIS-NPDES) Data Exchange Template

Version 1.5

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Environmental Information

eXchange Network

Version 1.5

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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 XML data through the Exchange Network.

2. Data Exchange Template

This section presents the ICIS-NPDES XML Data Exchange Template. The columns in it are:

- Element Name
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Elements to be provided to ICIS-NPDES 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.

2.1. Data Exchange Template for the ICIS-NPDES Data Flow

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
AcceptanceOfHauledDomesticWastes	<AcceptanceOfHauledDomesticWastes>N</AcceptanceOfHauledDomesticWastes>	No	No	Indicates if hauled non-sewage domestic wastes are accepted by the POTW.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection			WSTE	Accepted_Waste_Code
AcceptanceOfHazardousWaste	<AcceptanceOfHazardousWaste>N</AcceptanceOfHazardousWaste>	No	No	Indicates if hazardous waste is accepted by the POTW by truck, rail or dedicated pipe.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection			RCRA	Acceptance_of_Hazardous_Waste_Flag
AcceptanceOfNonhazardousIndustrialWaste	<AcceptanceOfNonhazardousIndustrialWaste>Y</AcceptanceOfNonhazardousIndustrialWaste>	No	No	Indicates if non-hazardous waste is accepted by the POTW by truck, rail or dedicated pipe.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection				
AdequacyOfPretreatmentResources	<AdequacyOfPretreatmentResources>N</AdequacyOfPretreatmentResources>	No	No	Indicates if pretreatment resources are adequately used at the facility.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection			RESO	PCI_Checklist_Finding_Code
AdministrativeOrdersIssuedToSIUs	<AdministrativeOrdersIssuedToSIUs>55</AdministrativeOrdersIssuedToSIUs>	No	No	The number of administrative orders or equivalent actions issued by the Pretreatment Control Authority to Significant Industrial Users in the past year.	xsd:integer	4	1	positive integer	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection	Y		ADOR	Administrative_Orders_Issued_to_SIUs
AffiliationTypeText	<AffiliationTypeText>PMT</AffiliationTypeText>	Yes	No	The code that represents what the address or contact is in regard to ICIS activities.	xsd:string	3	1	See ref_affiliation_type table for acceptable values	Common	BasicPermitSubmission, GeneralPermitSubmission, MasterGeneralPermitSubmissio	Contact, ContactAddress	Y	Description		Affiliation_Type

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
										n, BiosolidsPermit Submission, CAFOInspectionSubmission, CAFOPermitSubmission, FacilitySubmission, FormalEnforcementActionSubmission, InformalEnforcementActionSubmission, PermittedFeatureSubmission, SWConstruction Submission, SWIndustrialSubmission, SWEventReport Submission, SWInspectionSubmission, SWMS4ProgramReportSubmission, SWMS4LargePermitSubmission, SWMS4SmallPermitSubmission, ComplianceMonitoringSubmission, PretreatmentPermitSubmission					
AgencyReviewer	<AgencyReviewer>WBL</AgencyReviewer>	No	No	The group, branch, organization or division within the agency responsible for reviewing the limit.	xsd:string	5	1		Limit Set	LimitSetSubmission	ScheduledLimitSet, Unscheduled LimitSet			AGYR	Agency_Reviewer _Mail_Code

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
AgencyTypeCode	<AgencyTypeCode>STA</AgencyTypeCode>	Yes	No	The code that represents the agency responsible for issuing the permit.	xsd:string	3	1	See ref_agency_type table for acceptable values	Permit	BasicPermitSubmission MasterGeneralPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit	Y			
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	DischargeMonitoringReportSubmission	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	DischargeMonitoringReportSubmission	LandApplicationSite				
AnimalType	<AnimalType><></AnimalType>	No	Yes	The parent of animal type elements					CAFO	CAFOInspectionSubmission, CAFOPermitSubmission	CAFOInspection, CAFOPermit				
AnimalTypeCode	<AnimalTypeCode>DUC</AnimalTypeCode>	Yes	No	The type of animal in a confined animal feeding operation.	xsd:string	3	1	See ref_animal_type table for acceptable values	CAFO	CAFOAnnualReportSubmission, CAFOInspectionSubmission, CAFOPermitSubmission	ReportedAnimalType AnimalType	Y			
AnnualDrySludgeProductionNumber	<AnnualDrySludgeProductionNumber>15000</AnnualDrySludgeProductionNumber>	No	No	The amount of sludge a facility produces in DMT/year on a dry weight basis.	xsd:integer	8	1	positive integer	Biosolids	BiosolidsPermitSubmission BiosolidsProgramReportSubmission	BiosolidsPermit BiosolidsProgramReport	Y		SLPV	Annual_Dry_Biosolids_Production
AnnualFrequencyEffluentToxicantSampling	<AnnualFrequencyEffluentToxicantSampling>12</AnnualFrequencyEffluentToxicantSampling>	No	No	The number of times toxicant effluent sampling was performed at the POTW over the past year.	xsd:integer	2	1	positive integer	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection			TXEF	Frequency_of_Effluent_Toxicant_Handling

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
AnnualFrequenc yInfluentToxican tSampling	<AnnualFrequenc yInfluentToxicantS ampling>12</Ann ualFrequencyInflu entToxicantSampli ng>	No	No	The number of times toxicant influent sampling was performed at the POTW over the past year.	xsd:integ er	2	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection			TXIN	Frequency_of_Infl uent_Toxicant_Ha ndling
AnnualFrequenc ySludgeToxicant Sampling	<AnnualFrequenc ySludgeToxicantS ampling>12</Ann ualFrequencySlud geToxicantSampli ng>	No	No	The number of times toxicant sludge sampling was performed at the POTW over the past year.	xsd:integ er	2	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection			TXSL	Frequency_of_Bio solids_Toxicant_H andling
AnnualLoadingO fBiosolidDMT	<AnnualLoadingOf BiosolidDMT>967 5</AnnualLoading OfBiosolidDMT>	No	No	The actual amount of biosolids applied to a field in a calendar year in dry metric tons (DMT).	xsd:integ er	5	1	positive integer	Biosolids Program Report	BiosolidsProgra mReportSubmis sion	BiosolidsProg ramReport				
AnnualLoadingO fBiosolidGallons	<AnnualLoadingOf BiosolidGallons>3 16</AnnualLoadin gOfBiosolidGallon s>	No	No	The actual amount of biosolids applied to a field in a calendar year in gallons.	xsd:integ er	5	1	positive integer	Biosolids Program Report	BiosolidsProgra mReportSubmis sion	BiosolidsProg ramReport				
AnnualLoadingO fNutrientNitroge n	<AnnualLoadingOf NutrientNitrogen> 17407</AnnualLo adingOfNutrientNit rogen>	No	No	The actual amount of nutrient nitrogen applied to a field in a calendar year in pounds per acre or kilograms per hectare.	xsd:integ er	8	1	positive integer	Biosolids Program Report	BiosolidsProgra mReportSubmis sion	BiosolidsProg ramReport				
AnnualLoadingO fNutrientPhosph orus	<AnnualLoadingOf NutrientPhosphoru s>695834</Annua lLoadingOfNutrient Phosphorus>	No	No	The actual amount of nutrient phosphorous applied to a field in a calendar year in pounds per acre or kilograms per hectare.	xsd:integ er	8	1	positive integer	Biosolids Program Report	BiosolidsProgra mReportSubmis sion	BiosolidsProg ramReport				
AnnualLoadingP arameterDate	<AnnualLoadingP arameterDate>200 6-12- 31</AnnualLoadin gParameterDate>	No	No	The date of the annual loading of a parameter for the biosolids program report.	xsd:date	10	10	ccyy-mm-dd	Biosolids Program Report	BiosolidsProgra mReportSubmis sion	BiosolidsProg ramReport			DTIN, DTIA	Actual_Date Inspection_Audit_ Date

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
AnnualPretreatmentBudget	<AnnualPretreatmentBudget>764200</AnnualPretreatmentBudget>	No	No	The total level of annual funding used to implement the Control Authority's pretreatment program.	xsd:integer	7	1	positive integer	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection			BUDG	Annual_Pretreatment_Budget
ApplicationMeasureAvailableLandNumber	<ApplicationMeasureAvailableLandNumber>530</ApplicationMeasureAvailableLandNumber>	No	No	The number of acres of land under the control of the applicant that are suitable for land appllcation of the CAFO's manure, litter or waste water.	xsd:integer	6	1	positive integer	CAFO	CAFOInspectionSubmission CAFOPermitSubmission	CAFOInspection CAFOPermit	Y			
ApplicationReceivedDate	<ApplicationReceivedDate>2001-12-31</ApplicationReceivedDate>	No	No	The date the permit application is received the the state or region.	xsd:date	10	10	ccyy-mm-dd	Permit	BasicPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit	Y			
AssociatedMasterGeneralPermitIdentifier	<AssociatedMasterGeneralPermitIdentifier>ARG130000</AssociatedMasterGeneralPermitIdentifier>	Yes	No	The nine character permit ID of the master general permit associated with the covered facility.	xsd:string	9	9		General Permit Covered Facility	GeneralPermitSubmission	GeneralPermit	Y			
AssociatedPermit	<AssociatedPermit> <> </AssociatedPermit>	No	Yes	The parent of associated permit elements.					Permit	BasicPermitSubmission, GeneralPermitSubmission, MasterGeneralPermitSubmission	BasicPermit, GeneralPermit, MasterGeneralPermit				
AssociatedPermitIdentifier	<AssociatedPermitIdentifier>ZZ1005932</AssociatedPermitIdentifier>	Yes	No	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	xsd:string	9	9		Permit	BasicPermitSubmission, GeneralPermitSubmission, MasterGeneralPermitSubmission	AssociatedPermit	N	Yes	NPID*, SLID	Environmental_Information_System_Identification_Number

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				information must be in the Complian											
AssociatedPerm itReasonCode	<AssociatedPermi tReasonCode>SG P</AssociatedPer mitReasonCode>	Yes	No	A code that represents the relationship between the permit and the associated permit.	xsd:strin g	3	1	See ref_perm_associatio n table for acceptable values	Permit	BasicPermitSub mission MasterGeneralP ermitSubmissio n GeneralPermitS ubmission	AssociatedPe rmit				
Author	<Author>Jane Doe</Author>	No	No	First and last name of individual generating the XML file.	xsd:strin g	150	1		Header	All XMLs	Header				
AuthorizedLivest ockCapacityNu mber	<AuthorizedLivest ockCapacityNumb er>400</Authorize dLivestockCapacit yNumber>	No	No	The maximum number of animals that a CAFO facility is authorized to handle.	xsd:integ er	9	1	positive integer	CAFO	CAFOInspectio nSubmission CAFOPermitSu bmission	CAFOInspecti on CAFOPermit				
BacklogReason Text	<BacklogReasonT ext>Awaiting WLA</BacklogRe asonText>	No	No	A description of the reason for the permit's backlog (i.e., non- degradation review, EPA objections, awaiting WLA non-compliance).	xsd:strin g	2000	1		Permit	BasicPermitSub mission MasterGeneralP ermitSubmissio n GeneralPermitS ubmission	BasicPermit GeneralPermi t MasterGener alPermit				
BasicPermit	<BasicPermit> <> </BasicPermit>	Yes	No	The parent of basic permit elements					Basic Permit	BasicPermitSub mission	BasicPermitD ata				
BasicPermitData	<BasicPermitData > <> </BasicPermitData >	Yes	Yes	The parent of basic permit data elements					ICIS	BasicPermitSub mission	Payload		Yes		
BasisOfLimit	<BasisOfLimit>A</ BasisOfLimit>	No	No	The code that represents the source of the limit (WLA, WQBEL, ELG, BPJ).	xsd:strin g	3	1	See ref_basis_of_limit table for acceptable values	Limits	LimitsSubmissio n	Limits			STBA	Standards_Basis_ Code

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
BatchApplyFlag	`<BatchApplyFlag>R</BatchApplyFlag>`	Yes for ReissuePermit No for all others	No	The flag that triggers a permit to be reissued. The permit's effective date must be the same date as or earlier than the date of electronic submission to ICIS.	xsd:string	1	1	R	Permit	BasicPermitSubmission MasterGeneralPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit				
BeneficiallyUsedOutOfStateAmount	`<BeneficiallyUsedOutOfStateAmount>180</BeneficiallyUsedOutOfStateAmount>`	No	No	The dry metric tons (DMT) of sewage sludge managed out of State by beneficial use or disposal.	xsd:integer	8	1	positive integer	Biosolids	BiosolidsPermitSubmission BiosolidsProgramReportSubmission	BiosolidsPermit BiosolidsProgramReport				
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	DischargeMonitoringReportSubmission	Incinerator	Y			
BiomonitoringInspectionMethod	`<BiomonitoringInspectionMethod>C</BiomonitoringInspectionMethod>`	No	No	The code that represents the method used for the biomonitoring inspection.	xsd:string	3	1	See ref_biomonitoring_method table for acceptable values	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring	Y		BIOM	Biomonitoring_Inspection_Method_Type_Code
BiosolidsEndUseDisposalTypeCode	`<BiosolidsEndUseDisposalTypeCode>LAN</BiosolidsEndUseDisposalTypeCode>`	No	Yes	The code that represents the type of biosolids end use disposal.	xsd:string	3	1	See ref_biosolid_disposal_type table for acceptable values	Biosolids Permit	BiosolidsPermitSubmission	BiosolidsPermit	Y			
BiosolidsPermit	`<BiosolidsPermit> <> </BiosolidsPermit>`	Yes	No	The parent of biosolids permit elements					Biosolids Permit	BiosolidsPermitSubmission	BiosolidsPermitData				
BiosolidsPermitContact	`<BiosolidsPermitContact> <> </BiosolidsPermitContact>`	No	Yes	The parent of biosolids permit contact elements					Biosolids Permit	BiosolidsPermitSubmission	BiosolidsPermit				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
BiosolidsPermitData	<BiosolidsPermitData> <> </BiosolidsPermitData>	Yes	Yes	The parent of biosolids permit data elements					ICIS	BiosolidsPermit Submission	Payload		Yes		
BiosolidsProgramReportData	<BiosolidsProgramReportData> <> </BiosolidsProgramReportData>	Yes	Yes	The parent of biosolids program report data elements					ICIS	BiosolidsProgramReportSubmission	Payload		Yes		
BiosolidsReportComments	<BiosolidsReportComments>Report late due to inclement weather</BiosolidsReportComments>	No	No	A free-form text field for comments that apply to the biosolids report.	xsd:string	4000	1		Biosolids Program Report	BiosolidsProgramReportSubmission	BiosolidsProgramReport			SLI1+SLI2+SLI3	Comment_Text
BiosolidsReportLink	<BioslidsReportLink> <> </BioslidsReportLink>	Yes if no other linkage parent tags are present No for all others	No	The parent of biosolids report link elements					DMR Program Report Linkage	DMRProgramReportLinkageSubmission	DMRProgramReportLinkage				
BiosolidsTypeCode	<BiosolidsTypeCode>GEN</BiosolidsTypeCode>	No	Yes	The code that represents the type of biosolids permit the facility was issued.	xsd:string	3	1	See ref_biosolid_type table for acceptable values	Biosolids Permit	BiosolidsPermit Submission	BiosolidsPermit				
CAFOAnnualReport	<CAFOAnnualReport> <> </CAFOAnnualReport>	Yes	No	The parent of CAFO annual report elements					CAFO Annual Report	CAFOAnnualReportSubmission	CAFOAnnualReportData				
CAFOAnnualReportData	<CAFOAnnualReportData> <> </CAFOAnnualReportData>	Yes	Yes	The parent of CAFO annual report data elements					ICIS	CAFOAnnualReportSubmission	Payload		Yes		

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
CAFOClassificationCode	<CAFOClassificationCode>L</CAFOClassificationCode>	No	No	The coded that represents the classification of the confined animal feeding operation.	xsd:string	3	1	See ref_cafo_classification table for acceptable values	CAFO	CAFOInspectionSubmission, CAFOPermitSubmission	CAFOInspection, CAFOPermit	Y			
CAFOContact	<CAFOContact><></CAFOContact>	No	Yes	The parent of CAFO contact elements					CAFO	CAFOInspectionSubmission, CAFOPermitSubmission	CAFOInspection, CAFOPermit				
CAFODesignationDate	<CAFODesignationDate>2001-12-31<CAFODesignationDate>	No	No	The date the CAFO facility was given its designation.	xsd:date	10	10	ccyy-mm-dd	CAFO	CAFOInspectionSubmission CAFOPermitSubmission	CAFOInspection CAFOPermit	Y			
CAFODesignationReasonText	<CAFODesignationReasonText>TMDL area.</CAFODesignationReasonText>	No	No	The reason the CAFO facility was given its designation, such as severe water quality impact in a basin planning area or TMDL area.	xsd:string	500	1		CAFO	CAFOInspectionSubmission CAFOPermitSubmission	CAFOInspection CAFOPermit	Y			
CAFOInspection	<CAFOInspection><></CAFOInspection>	Yes	No	The parent of CAFO inspection elements					CAFO Inspection	CAFOInspectionSubmission	CAFOInspectionData				
CAFOInspectionData	<CAFOInspectionData><></CAFOInspectionData>	Yes	Yes	The parent of CAFO inspection data elements					ICIS	CAFOInspectionSubmission	Payload		Yes		
CAFOInspectionViolationTypeCode	<CAFOInspectionViolationTypeCode>INS</CAFOInspectionViolationTypeCode>	No	Yes	The code that represents the type of violation for the CAFO facility. This tag may appear more than once in the XML file.	xsd:string	3	1	See ref_cafo_violation_type table for acceptable values	CAFO Inspection	CAFOInspectionSubmission	CAFOInspection				
CAFOPermit	<CAFOPermit><></CAFOPermit>	Yes	No	The parent of CAFO permit elements					CAFO Permit	CAFOPermitSubmission	CAFOPermitData				

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
CAFOPermitData	<CAFOPermitData > <> </CAFOPermitData>	Yes	Yes	The parent of CAFO permit data elements					ICIS	CAFOPermitSubmission	Payload		Yes		
CalculateViolationsIndicator	<CalculateViolationsIndicator>Y</CalculateViolationsIndicator>	No	No	Indicates whether violations are to be calculated after a stay has been lifted.	xsd:string	1	1	Y N *	Stays	LimitsSubmission	Limits				
CashCivilPenaltyRequiredAmount	<CashCivilPenaltyRequiredAmount>15000</CashCivilPenaltyRequiredAmount>	No	No	The dollar amount of the administrative or judicial penalty imposed as identified in the final order.	xsd:integer	17	1	0 to 99999999999999.99	Formal Enforcement Action	FormalEnforcementActionSubmission	FinalOrder	Y	Yes	APAM	Penalty_Amount_Assessed_by_Judicial_Decree
CauseOfSSOOverflowEvent	<CauseOfSSOOverflowEvent>Tropical storm Henry</CauseOfSSOOverflowEvent>	No	No	A description of the cause of an SSO overflow event (i.e., blockage, equipment failure).	xsd:string	1000	1		SSO	SSOEventReportSubmission SSOInspectionSubmission	SSOEventReport SSOInspection				
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	DischargeMonitoringReportSubmission	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	DischargeMonitoringReportSubmission	SurfaceDisposalSite				
CertifierLastName	<CertifierLastName>Y</CertifierLastName>	No	No	The last name of the person at the facility responsible for certifying the usage of surface disposal management practices	xsd:string	30	1		Discharge Monitoring Report	DischargeMonitoringReportSubmission	SurfaceDisposalSite				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
ChangedLimitEn dDate	<ChangedLimitEn dDate>2000-12-31</ChangedLimit EndDate>	Yes when changi ng Limit dates No for all others	No	The revised date the limit started for the given parameter and limit set.	xsd:date	10	10	ccyy-mm-dd	Limits	LimitsSubmissio n	LimitDates			ELED	Modification_Perio d_End_Date Final_Limits_End_ Date Interim_Limits_En d_Date Initial_Limits_End_ Date
ChangedLimitSt artDate	<ChangedLimitEn dDate>2000-12-31</ChangedLimit EndDate>	Yes when changi ng Limit dates No for all others	No	The revised date the limit started for the given parameter and limit set.	xsd:date	10	10	ccyy-mm-dd	Limits	LimitsSubmissio n	LimitDates			ELED	Modification_Perio d_End_Date Final_Limits_End_ Date Interim_Limits_En d_Date Initial_Limits_End_ Date
CIUsInSNC	<CIUsInSNC>32</ CIUsInSNC>	No	No	The number of the Categorical Industrial Users in significant non-compliance in the past year.	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection			CISN	Categorical_Indust rial_Users_in_SN C
CivilSuitsFiledA gainstSIUs	<CivilSuitsFiledAg ainstSIUs>379</Ci vilSuitsFiledAgain stSIUs>	No	No	The number of the civil suits filed against SIUs in the past year.	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection	Y			
ClassAAlternativ esText	<ClassAAlternativ esText>Heat Treatment</Class AAlternativesText >	No	No	The description of the Class A pathogen reduction alternative used when the ClassAAlternative UsedCode is "Other".	xsd:strin g	4000	1		Discharge Monitoring Report	DischargeMonit oringReportSub mission	LandApplicati onSite, SurfaceDispo salSite				
ClassAAlternativ eUsed	<ClassAAlternativ eUsed>DTU</Cla ssAAlternativeUse d>	No	No	The code representing the Class A pathogen reduction alternative used.	xsd:strin g	3	1	See ref_alternative_used table for acceptable values	Discharge Monitoring Report	DischargeMonit oringReportSub mission	LandApplicati onSite, SurfaceDispo salSite	Y			

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
ClassBAlternativ esText	<ClassBAlternativ esText>Mesophilic anaerobic digestion</ClassB AlternativesText>	No	No	The description of the Class B pathogen reduction alternative used when the ClassBAlternative UsedCode is "Other".	xsd:strin g	4000	1		Discharge Monitoring Report	DischargeMonit oringReportSub mission	LandApplicati onSite, SurfaceDispo salSite				
ClassBAlternativ eUsed	<ClassBAlternativ eUsed>SIG</Clas sBAlternativeUsed >	No	No	The code representing the Class B pathogen reduction alternative used.	xsd:strin g	3	1	See ref_alternative_used table for acceptable values	Discharge Monitoring Report	DischargeMonit oringReportSub mission	LandApplicati onSite, SurfaceDispo salSite	Y			
CoDisposalSite	<CoDisposalSite> <> </CoDisposalSite>	No	No	The parent of codisposal site elements					Discharge Monitoring Report	DischargeMonit oringReportSub mission	DischargeMo nitoringRepor t				
CodisposedInM SWLandfillAmou nt	<CodisposedInMS WLandfillAmount> 950</CodisposedI nMSWLandfillAmo unt>	No	No	The dry metric tons (DMT) of sewage sludge co-disposed in an MSW landfill.	xsd:integ er	8	1	positive integer	Biosolids	BiosolidsPermit Submission BiosolidsProgra mReportSubmis sion	BiosolidsPer mit BiosolidsProg ramReport	Y			
CollectionSyste mCombinedPerc ent	<CollectionSystem CombinedPercent >75</CollectionSy stemCombinedPer cent>	No	No	The percentage of the total collection system that is combined.	xsd:integ er	3	1	positive integer	CSO Permit	CSOPermitSub mission	CSOPermit	Y			
CombinedOrSup ercededByEAID	<CombinedOrSup ercededByEAID>A K-012345678</Com binedOrSuperced edByEAID>	No	No	The Identification number of the enforcement action that superceded or was combined with the current enforcement action.	xsd:strin g	20	1		Formal Enforcement Action	FormalEnforce mentActionSub mission	FormalEnforc ementAction				
CombinedSewer SystemLength	<CombinedSewer SystemLength>45 0</CombinedSew erSystemLength>	No	No	The length of the sewer pipe in miles.	xsd:integ er	6	1	positive integer with up to 1 decimal place	CSO Permit	CSOPermitSub mission	CSOPermit	Y			
CombinedSSCS SystemLength	<CombinedSSCS SystemLength>38 70</CombinedSS CSSystemLength>	No	No	The length of pipe in miles of the sanitary sewer collection system.	xsd:integ er	6	1	positive integer with up to 1 decimal place	POTW Permit	POTWPermitSu bmission	POTWPermit	Y			

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
Comment	<Comment>2nd resubmittal of rejected transactions from May submission</Comment>	No	No	Free-form text containing information about the XML	xsd:string	4000	1		Header	All XMLs	Header				
CompleteNOIReceivedDate	<CompleteNOIReceivedDate>2001-01-30</CompleteNOIReceivedDate>	No	No	The date the completed notice of intent was received by the regulatory authority.	xsd:date	10	10	ccyy-mm-dd	SW	SWConstructionPermitSubmission SWIndustrialPermitSubmission	GPCFNoticeOfIntent				
ComplianceInspectionTypeCode	<ComplianceInspectionTypeCode>CEI</ComplianceInspectionTypeCode>	Yes	Yes	The type of inspection performed based upon the category of inspection performed.	xsd:string	3	1	See ref_comp_monitor_type table for acceptable values	Key Elements	CAFOInspectionSubmission ComplianceMonitoringSubmission ComplianceMonitoringLinkageSubmission CSOInspectionSubmission PretreatmentInspectionSubmission SSOInspectionSubmission SWInspectionSubmission	CAFOInspection ComplianceMonitoring ComplianceMonitoringLinkage, LinkageToOtherInspection CSOInspection PretreatmentInspection SSOInspection SWInspection	Y	Description	TYPI*	Event_Code
ComplianceMonitoringActionOutcomeCode	<ComplianceMonitoringActionOutcomeCode>14</ComplianceMonitoringActionOutcomeCode>	No	No	The code that represents the outcome of the compliance monitoring action.	xsd:integer	2	1	See ref_activity_outcome table for acceptable values	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring		Description		
ComplianceMonitoringActionReasonCode	<ComplianceMonitoringActionReasonCode>CPI</ComplianceMonitoringActionReasonCode>	Yes when adding a record No for all others	Yes	The code that represents the purpose or reason why compliance monitoring was performed. This tag may appear more than once in the XML file.	xsd:string	3	1	See ref_activity_purpose table for acceptable values	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring	Y	Description		

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
ComplianceMonitoringActivityName	<ComplianceMonitoringActivityName>Investigation of Acme Industry</ComplianceMonitoringActivityName>	No	No	The name of the compliance monitoring activity.	xsd:string	100	1		Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring				
ComplianceMonitoringAgencyCode	<ComplianceMonitoringAgencyCode>115</ComplianceMonitoringAgencyCode>	No	No	The code that represents the agency, department or organizationperforming or conducting the compliance monitoring activity.	xsd:string	3	1	See ref_agency table for acceptable values	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring		Description		
ComplianceMonitoringAgencyTypeCode	<ComplianceMonitoringAgencyTypeCode>STA</ComplianceMonitoringAgencyTypeCode>	Yes when adding a record No for all others	Yes	The code that represents the type of agency performing or conducting the compliance monitoring activity. This tag may appear more than once in the XML file.	xsd:string	3	1	See ref_agency_type table for acceptable values	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring	Y	Description	INSP*	Inspector_Type_Code
ComplianceMonitoringDate	<ComplianceMonitoringDate>2005-12-31</ComplianceMonitoringDate	Yes	No	The date the compliance monitoring activity actually occurred. Either <ComplianceMonitoringDate> or <ComplianceMonitoringPlannedEndDate> must be in the XML submission files but not all at the same time.	xsd:date	10	10	ccyy-mm-dd	Key Elements	CAFOInspectionSubmission ComplianceMonitoringSubmission ComplianceMonitoringLinkageSubmission CSOInspectionSubmission PretreatmentInspectionSubmission SSOInspectionSubmission SWInspectionSubmission	CAFOInspection ComplianceMonitoring ComplianceMonitoringLinkage, LinkageToOtherInspection CSOInspection PretreatmentInspection SSOInspection SWInspection	Y		DTIN, DTIA	Actual_Date Inspection_Audit_Date
ComplianceMonitoringLinkage	<ComplianceMonitoringLinkage><></ComplianceMonitoringLinkage>	Yes	No	The parent of compliance monitoring linkage elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkageData				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
ComplianceMonitoringLinkageData	<ComplianceMonitoringLinkageData> <> </ComplianceMonitoringLinkageData>	Yes	Yes	The parent of compliance monitoring linkage data elements					ICIS	ComplianceMonitoringLinkageSubmission	Payload		Yes		
ComplianceMonitoringPlannedEndDate	<ComplianceMonitoringPlannedEndDate>2004-12-31</ComplianceMonitoringPlannedEndDate>	Yes	No	The proposed date the compliance monitoring event will end. Either <ComplianceMonitoringActualEndDate> or <ComplianceMonitoringPlannedEndDate> must be in the XML submission files but not all at the same time.	xsd:date	10	10	ccyy-mm-dd	Key Elements	CAFOInspectionSubmission ComplianceMonitoringSubmission ComplianceMonitoringLinkageSubmission CSOInspectionSubmission PretreatmentInspectionSubmission SSOInspectionSubmission SWInspectionSubmission	CAFOInspection ComplianceMonitoring ComplianceMonitoringLinkage, LinkageToOtherInspection CSOInspection PretreatmentInspection SSOInspection SWInspection				
ComplianceMonitoringPlannedStartDate	<ComplianceMonitoringPlannedStartDate>2004-12-31</ComplianceMonitoringPlannedStartDate>	No	No	The proposed date the compliance monitoring activity will begin.	xsd:date	10	10	ccyy-mm-dd	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring			SIDT	Scheduled_Date
ComplianceMonitoringStartDate	<ComplianceMonitoringStartDate>2004-12-31</ComplianceMonitoringStartDate>	No	No	The actual date the compliance monitoring activity began.	xsd:date	10	10	ccyy-mm-dd	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring			SIDT	Actual_Date
ComplianceSchedule	<ComplianceSchedule> <> </ComplianceSchedule>	Yes	No	The parent of compliance schedule elements					Compliance Schedule	ComplianceScheduleSubmission	ComplianceScheduleData				
ComplianceScheduleComments	<ComplianceScheduleComments>Permittee missed their last compliance schedule interim date for construction back	No	No	Free-form text describing the compliance schedule.	xsd:string	4000	1		Compliance Schedule	ComplianceScheduleSubmission	ComplianceSchedule				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
	order of a centrifugal pump for wastewater treatment upgrade</ComplianceScheduleComments>														
ComplianceScheduleData	<ComplianceScheduleData> <> </ComplianceScheduleData>	Yes	Yes	The parent of compliance schedule data elements					ICIS	ComplianceScheduleSubmission	Payload		Yes		
ComplianceScheduleEvent	<ComplianceScheduleEvent> <> </ComplianceScheduleEvent>	No	Yes	The parent of compliance schedule event elements					Compliance Schedule	ComplianceScheduleSubmission	ComplianceSchedule				
ComplianceScheduleEventViolationKeyElements	<ComplianceScheduleEventViolationKeyElements> <> </ComplianceScheduleEventViolationKeyElements>	Yes if the permit schedule event violation key parent element is not present No for all others	No	The parent of compliance schedule event violation key elements					Schedule Event Violation	ScheduleEventViolationSubmission	ScheduleEventViolation				
ComplianceScheduleNumber	<ComplianceScheduleNumber>05</ComplianceScheduleNumber>	Yes	No	The number that identifies a compliance schedule.	xsd:integer	2	2	01-99	Key Elements	ComplianceScheduleSubmission ScheduleEventViolationSubmission, EnforcementActionViolationKeySubmission	ComplianceSchedule ComplianceScheduleEventViolationKey Elements ComplianceScheduleViolation	Y		DSCD+CSCH*	Compliance_Schedule_Number
ComplianceSchedulePenaltyAmount	<ComplianceSchedulePenaltyAmount>15000</ComplianceSchedulePenaltyAmount>	No	No	The dollar amount that are to be paid according to the schedule.	xsd:string	17	1	0 to 99999999999999.99	Common	ComplianceScheduleSubmission	ComplianceScheduleEvent			APAM	Penalty_Amount_Assessed

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
ComplianceScheduleViolation	<ComplianceScheduleViolation> <> </ComplianceScheduleViolation>	Yes if no other parent tags at the same level are present No for all others	Yes	The parent of compliance schedule violation elements					Enforcement Action Violation Key	EnforcementActionViolationKey Submission	EnforcementActionViolation				
ComplianceTrackingStatus	<ComplianceTrackingStatus> <> </ComplianceTrackingStatus>	No	No	The parent of compliance tracking status elements					Status	BasicPermitSubmission, GeneralPermitSubmission	BasicPermit, GeneralPermit				
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	DischargeMonitoringReportSubmission	ReportParameter	Y		RCUN	Unit_Code
ConstructionProjectLatitudeMeasure	<ConstructionProjectLatitudeMeasure>33.4833334</ConstructionProjectLatitudeMeasure>	No	No	The measure of the latitude at the construction project in decimal degrees.	xsd:string	10	10		Facility	FacilitySubmission	Facility				
ConstructionProjectLongitudeMeasure	<ConstructionProjectLongitudeMeasure>112.0666667</ConstructionProjectLongitudeMeasure>	No	No	The measure of the longitude at the construction project in decimal degrees.	xsd:string	11	11		Facility	FacilitySubmission	Facility				
ConstructionProjectName	<ConstructionProjectName>Addition of new wing</ConstructionProjectName>	No	No	The name of the construction project.	xsd:string	50	1		Facility	FacilitySubmission	Facility				
ConstructionWaiverAuthorizationDate	<ConstructionWaiverAuthorizationDate>2004-12-31</ConstructionWaiverAuthorizati	No	No	The date the Construction Waiver was authorized.	xsd:date	10	10	ccyy-mm-dd	SW MS4 Small Permit	SWMS4SmallPermitSubmission	GPCFConstructionWaiver				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
	onDate>														
ConstructionWaiverCriteriaMetIndicator	<ConstructionWaiverCriteriaMetIndicator>Y</ConstructionWaiverCriteriaMetIndicator>	No	No	Indicates whether the Construction Waiver criteria was met by the facility.	xsd:string	1	1	Y N *	SW MS4 Small Permit	SWMS4SmallPermitSubmission	GPCFConstructionWaiver				
ConstructionWaiverEvaluationBasisCode	<ConstructionWaiverEvaluationBasisCode>WAV</ConstructionWaiverEvaluationBasisCode>	No	No	The code that represents the basis of the Construction Waiver.	xsd:string	3	1	See ref_const_waver_eval_basis table for acceptable values	SW MS4 Small Permit	SWMS4SmallPermitSubmission	GPCFConstructionWaiver				
ConstructionWaiverEvaluationDate	<ConstructionWaiverEvaluationDate>2005-12-31</ConstructionWaiverEvaluationDate>	No	No	The date the Construction Waiver evaluation was performed.	xsd:date	10	10	ccyy-mm-dd	SW MS4 Small Permit	SWMS4SmallPermitSubmission	GPCFConstructionWaiver				
ConstructionWaiverPostmarkDate	<ConstructionWaiverPostmarkDate>2005-12-31</ConstructionWaiverPostmarkDate>	No	No	The date the Construction Waiver was postmarked.	xsd:date	10	10	ccyy-mm-dd	SW MS4 Small Permit	SWMS4SmallPermitSubmission	GPCFConstructionWaiver				
Contact	<Contact> <> </Contact>	No for Permittee Yes for all others if ContactAddress is not present	No	The parent of contact elements					Contact	BasicPermitSubmission, BiosolidsPermitSubmission, CAFO InspectionSubmission, CAFOPermitSubmission, ComplianceMonitoringSubmission, FacilitySubmission, MasterGeneralPermitSubmission, PermittedFeatureSubmission, PretreatmentPe	Permittee, PermitContact, BiosolidsPermitContact, CAFOContact, ComplianceMonitoring, FacilityContact, MasterGeneralPermitContact, SiteOwnerContact, Pretreatment Contact, StormWaterContact				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										rmitSubmission, SWConstruction PermitSubmissi on, SWEventReport Submission, SWIndustrialPer mitSubmission, SWInspectionS ubmission, SWMS4LargeP ermitSubmissio n, SWMS4Progra mReportSubmis sion, SWMS4SmallP ermitSubmissio n					
ContactAddress	<ContactAddress> <> </ContactAddress >	Yes when adding a permit tee or if contac t parent eleme nt is not prese nt No for all others	No	The parent of contact address elements					Address	BasicPermitSub mission, BiosolidsPermit Submission, CAFO InspectionSubm ission, CAFOPermitSu bmission, ComplianceMon itoringSubmissi on, FacilitySubmissi on, PermittedFeatur eSubmission, SWConstruction PermitSubmissi on, SWEventReport Submission, SWIndustrialPer mitSubmission, SWInspectionS ubmission, SWMS4LargeP ermitSubmissio n, SWMS4Progra mReportSubmis	Permittee, PermitContac t, BiosolidsPer mitContact, CAFOContact , ComplianceM onitoring, FacilityConta ct, SiteOwnerCo ntact, StormWaterC ontact				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										sion, SWMS4SmallP ermitSubmissio n					
ContactInfo	<ContactInfo>123 Main Street, Anytown UU, 00555, (888) 555-1212, jane.doe@uudeq. state.us</ContactI nfo>	No	No	The street address, city, State, zip code, area code, telephone number, and Email address of the Author.	xsd:strin g	250	1		Header	All XMLs	Header				
Containment	<Containment> <> </Containment>	No	Yes	The parent of containment elements					CAFO	CAFOInspectio nSubmission, CAFOPermitSu bmission	CAFOInspecti on, CAFOPermit				
ContainmentCa pacityNumber	<ContainmentCap acityNumber>863 4</ContainmentCa pacityNumber>	No	No	The total capacity of the CAFO containment structure in gallons.	xsd:integ er	9	1	positive integer	CAFO	CAFOInspectio nSubmission CAFOPermitSu bmission	Containment	Y			
ContainmentTyp eCode	<ContainmentTyp eCode>LAG</Con tainmentTypeCod e>	Yes	No	The code that represents the type of CAFO containment.	xsd:strin g	3	1	See ref_containment_typ e table for acceptable values	CAFO	CAFOInspectio nSubmission CAFOPermitSu bmission	Containment	Y			
ControlAuthority NPDESIdentifier	<ControlAuthority NPDESIdentifier> UU3004681</Cont rolAuthorityNPDE SIdentifier>	No	No	The nine character permit ID of the pretreatment control authority (POTW or IU).	xsd:strin g	9	9		Pretreatment Permit	PretreatmentPe rmitSubmission	Pretreatment Permit	Y		CAID	PPETS_Control_A uthority_Identifier
ControlAuthority RegionalAgency Code	<ControlAuthority RegionalAgencyC ode>07</ControlA uthorityRegionalA gencyCode>	No	No	The code of the region the control authority is located within.	xsd:strin g	2	1	See ref_region table for acceptable values	Pretreatment Permit	PretreatmentPe rmitSubmission	Pretreatment Permit				
ControlAuthority StateAgencyCo de	<ControlAuthority StateAgencyCode >AK</ControlAuth orityStateAgencyC ode>	No	No	The two letter postal code of the state the control authority is located within.	xsd:strin g	2	2	See ref_state table for acceptable values	Pretreatment Permit	PretreatmentPe rmitSubmission	Pretreatment Permit				
ControlMechani smDeficiencies	<ControlMechanis mDeficiencies>N< /ControlMechanis mDeficiencies>	No	No	Indicates components that are not sufficient or are not contained in the	xsd:strin g	1	1	Y N *	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns	Pretreatment Performance Summary PretreatmentI nspection			CMDF	PCI_Checklist_Fin ding_Code

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				Pretreatment Control Authority control mechanism that it issues to Industrial Users.						pectionSubmissi on					
CorrectedRNCM anualStatusCod e	<CorrectedRNCM anualStatusCode> P</CorrectedRNC ManualStatusCod e>	No	No	The code used by the state or region to correct the manual code used to override the RNC status automatically generated by ICIS-NPDES.	xsd:strin g	3	1	See ref_rnc_status table for acceptable values	Status	BasicPermitSub mission GeneralPermitS ubmission	RNCStatus				
CorrectiveAction TakenDescriptio nText	<CorrectiveAction TakenDescription Text>Installed another runoff storage lagoon.</Correctiv eActionTakenDes criptionText>	No	No	Description of the corrective action taken to prevent reoccurances of dry CSO overflow events.	xsd:strin g	4000	1		CSO	CSOEventRepo rtSubmission CSOInspection Submission	CSOEventRe port CSOInspectio n				
CountyName	<CountyName>Lin coln</CountyNam e>	No	No	The name of the county where the contact is located.	xsd:strin g	35	1		Address	BasicPermitSub mission, GeneralPermitS ubmission, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP	ContactAddre ss FacilityLocati onAddress EffluentTrade PartnerAddre ss		Yes		

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on, FacilitySubmissi on, BasicPermitSub mission, GeneralPermitS ubmission, ComplianceMon itoringSubmissi on, EffluentTradePa rtnerSubmission					
CreationTime	<CreationTime>20 01-12- 17T09:30:47- 05:00</CreationTi me>	No	No	The date and time when the XML document is generated.	xsd:strin g	22	25	ccyy-mm- ddThh:mm:ss-99:00	Header	All XMLs	Header				
CriminalSuitsFil edAgainstSIUs	<CriminalSuitsFile dAgainstSIUs>379 </CriminalSuitsFile dAgainstSIUs>	No	No	The number of criminal suits filed by the Pretreatment Control Authority against Significant Industrial Users in the past year.	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection	Y		CRIM, CIVL	Criminal_Suits_Fil ed_Against_SIUs
CropTypesHarv ested	<CropTypesHarve sted>CO</CropTy pesHarvested>	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:strin g	3	1	See ref_harvest_crop_typ e table for acceptable values	Discharge Monitoring Report	DischargeMonit oringReportSub mission	LandApplicati onSite			SLCT	Crop_Type_Code
CropTypesPlant ed	<CropTypesPlante d>WH</CropType sPlanted>	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	xsd:strin g	3	1	See ref_plant_crop_type table for acceptable values	Discharge Monitoring Report	DischargeMonit oringReportSub mission	LandApplicati onSite	Y		SLCT	Crop_Type_Code

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				file.											
CSOEventDate	CSOEventDate>2 003-12-31</CSOEventDat e>	Yes	No	The date the CSO overflow event was received by the regulating authority.	xsd:date	10	10	ccyy-mm-dd	Key Elements	CSOEventRepo rtSubmission ComplianceMon itoringLinkageS ubmission CSOInspection Submission	CSOEventRe port LinkageToCS OEventRepor t CSOInspectio n	Y			
CSOEventRepor t	<CSOEventReport > <> </CSOEventRepor t>	Yes	No	The parent of CSO event report elements					CSO Event Report	CSOEventRepo rtSubmission	CSOEventRe portData				
CSOEventRepor tData	<CSOEventReport Data> <> </CSOEventRepor tData>	Yes	Yes	The parent of CSO event report data elements					ICIS	CSOEventRepo rtSubmission	Payload		Yes		
CSOInspection	<CSOInspection> <> </CSOInspection>	Yes	No	The parent of CSO inspection elements					CSO Inspection	CSOInspection Submission	CSOInspectio nData				
CSOInspectionD ata	<CSOInspectionD ata> <> </CSOInspectionD ata>	Yes	Yes	The parent of CSO inspection data elements					ICIS	CSOInspection Submission	Payload		Yes		
CSOOverflowLo cationStreet	<CSOOverflowLoc ationStreet>Hollyw ood and Vine</CSOOverflo wLocationStreet>	Yes	No	Description of the street location where the CSO overflow event occurred. Either <PermittedFeature Identifier> or <CSOOverflowLoc ationStreet> or <LatitudeMeasure > + <LongitudeMeasur e> must be in the CSO XML submission files but not all at the	xsd:strin g	4000	1		CSO	CSOEventRepo rt CSOInspection Submission	CSOEventRe port CSOInspectio n	Y			

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				same time.											
CSOPermit	<CSOPermit> <> </CSOPermit>	Yes	No	The parent of CSO permit elements					CSO Permit	CSOPermitSubmission	CSOPermitData				
CSOPermitData	<CSOPermitData> <> </CSOPermitData>	Yes	Yes	The parent of CSO permit data elements					ICIS	CSOPermitSubmission	Payload		Yes		
CSSPopulationServedNumber	<CSSPopulationServedNumber>1000</CSSPopulationServedNumber>	No	No	The number of individuals or households served by the combined sewer system.	xsd:integer	9	1	positive integer	CSO Permit	CSOPermitSubmission	CSOPermit	Y			
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	All XMLs	Header				
DateStormEventSampled	<DateStormEventSampled>2004-01-30</DateStormEventSampled>	Yes	No	The date the storm event was sampled.	xsd:date	10	10	ccyy-mm-dd	SW Event Report	SWEventReport Submission DMRProgramReportLinkageSubmission ComplianceMonitoringLinkageSubmission	SWEventReport SWEventReportLink LinkageToSWEventReport	Y			
DaysOfStorage	<DaysOfStorage>365</DaysOfStorage>	No	No	The total number of days manure litter was contained in the storage structure.	xsd:integer	4	1	1- 1000	CAFO	CAFOInspectionSubmission CAFOPermitSubmission	ManureLitterProcessedWastewaterStorage	Y			
DeficienciesDataManagementPublicParticipation	<DeficienciesDataManagementPublicParticipation>Y</DeficienciesDataManagementPublicParticipation>	No	No	Indicates if deficiencies in the Pretreatment Control Authority's data management and/or public participation exist.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection			DMDF	PCI_Checklist_Finding_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	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
DeficienciesIdentifiedDuringIUFileReview	<DeficienciesIdentifiedDuringIUFileReview>Y</DeficienciesIdentifiedDuringIUFileReview>	No	No	Indicates if deficiencies were uncovered in broad areas during thePCI or audit inspector's review of Industrial User files.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection			FIDF	PCI_Checklist_Finding_Code
DeficienciesInInterpretationApplicationPretreatmentStandards	<DeficienciesInInterpretationApplicationPretreatmentStandards>Y</DeficienciesInInterpretationApplicationPretreatmentStandards>	No	No	Indicates if deficiencies in interpretation or application of pretreatment standards to Industrial Users.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection			APDF	PCI_Checklist_Finding_Code
DescriptionOfStepsTaken	<DescriptionOfStepsTaken>Disconnecting roof drains from household laterals.</DescriptionOfStepsTaken>	No	No	A description of the steps taken during an SSO overflow event.	xsd:string	4000	1		SSO	SSOEventReportSubmission SSOInspectionSubmission	SSOEventReport SSOInspection				
DischargeMonitoringReport	<DischargeMonitoringReport> <> </DischargeMonitoringReport>	Yes	No	The parent of discharge monitoring report elements					Discharge Monitoring Report	DischargeMonitoringReportSubmission	DischargeMonitoringReportData				
DischargeMonitoringReportData	<DischargeMonitoringReportData> <> </DischargeMonitoringReportData>	Yes	Yes	The parent of discharge monitoring report data elements					ICIS	DischargeMonitoringReportSubmission	Payload		Yes		
DischargeMonitoringReportViolation	<DischargeMonitoringReportViolation> <> </DischargeMonitoringReportViolation>	Yes if no other parent tags at the same level are present No for all others	Yes	The parent of discharge monitoring report violation elements					Enforcement Action Violation Key	EnforcementActionViolationKeySubmission	Enforcement ActionViolation				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
DischargesDurin gYearFromProd uctionAreaIndica tor	<DischargesDurin gYearFromProduc tionAreaIndicator> A</DischargesDuri ngYearFromProdu ctionAreaIndicator >	No	No	The code that indicates whether discharges occurred during the year from the CAFO production area.	xsd:strin g	2	1	NO - No YA - Yes (Authorized Only) YU - Yes (Unauthorized Only) YB- Yes (Both Authorized and Unauthorized) * - blank out field	CAFO Annual Report CAFOInspection	CAFOAnnualRe portSubmission CAFOInspectio nSubmission	CAFOAnnual Report CAFOInspecti on	Y			
DischargeVolum eTreated	<DischargeVolum eTreated>25640</ DischargeVolume Treated>	No	No	The volume of CSO discharge treated in gallons.	xsd:integ er	10	1	positive integer	CSO	CSOEventRepo rtSubmission CSOInspection Submission	CSOEventRe port CSOInspectio n				
DischargeVolum eUntreated	<DischargeVolum eUntreated>550</ DischargeVolume Untreated>	No	No	The volume of CSO discharge left untreated in gallons.	xsd:integ er	10	1	positive integer	CSO	CSOEventRepo rtSubmission CSOInspection Submission	CSOEventRe port CSOInspectio n				
DisposedOutOf StateAmount	<DisposedOutOfSt ateAmount>700</ DisposedOutOfSta teAmount>	No	No	The dry metric tons (DMT) of sewage sludge disposed out of State, including landfill, surface disposal, and incineration management options.	xsd:integ er	8	1	positive integer	Biosolids	BiosolidsPermit Submission BiosolidsProgra mReportSubmis sion	BiosolidsPer mit BiosolidsProg ramReport				
DivisionName	<DivisionName>W ater Division</Division Name>	No	No	The name of the effluent trade partner's division.	xsd:strin g	50	1		Address	BasicPermitSub mission, GeneralPermitS ubmission, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission,	ContactAddre ss EffluentTrade PartnerAddre ss				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on, EffluentTradePa rtnerSubmission					
DMRCognizant Official	<DMRCognizantO fficial>John Doe</DMRCogniz antOfficial>	No	No	The name of the official at the facility responsible for Discharge Monitoring reports.	xsd:strin g	30	1		Permit	BasicPermitSub mission GeneralPermitS ubmission	BasicPermit GeneralPermi t				
DMRCognizant OfficialTelephon eNumber	<DMRCognizantO fficialTelephoneNu mber>800555121 2</DMRCognizant OfficialTelephone Number>	No	No	The telephone number of the facility's DMR cognizant official. Only numbers without spaces are allowed.	xsd:strin g	10	7		Permit	BasicPermitSub mission GeneralPermitS ubmission	BasicPermit GeneralPermi t				
DMRNoDischar geIndicator	<DMRNoDischarg eIndicator>K</DM RNoDischargeIndi cator>	Yes	No	The code that represents why a discharge is not being reported on a DMR for all parameters in a limit set.	xsd:strin g	3	1		Discharge Monitoring Report	DischargeMonit oringReportSub mission	DischargeMo nitoringRepor t	Y			
DMRNoDischar geReceivedDate	<DMRNoDischarg eReceivedDate>2 005-12- 31</DMRNoDisch argeReceivedDate >	Yes	No	The date the notificiation of no discharge was received by the permitting authority.	xsd:date	10	10		Discharge Monitoring Report	DischargeMonit oringReportSub mission	DischargeMo nitoringRepor t	Y			
DMRPrePrintCo mmentsText	<DMRPrePrintCo mmentsText>See footnote b) of permit for more details</DMRPreP rintCommentsText >	No	No	A free-form text field for comments that apply to the printed DMR.	xsd:strin g	315	1		Limit Set	LimitSetSubmis sion	ScheduledLi mitSet, Unscheduled LimitSet			PIC1+PI C2+PIC 3+PIC4+ PIC5+PI C6+PIC 7+PIC8+ PIC9	Preprint

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
DMRProgramReportLinkage	<DMRProgramReport> <> </DMRProgramReport>	Yes	No	The parent of DMR program report linkage elements					DMR Program Report Linkage	DMRProgramReportLinkageSubmission	DMRProgramReportLinkageData				
DMRProgramReportLinkageData	<DMRProgramReportData> <> </DMRProgramReportData>	Yes	Yes	The parent of DMR program report linkage data elements					ICIS	DMRProgramReportLinkageSubmission	Payload		Yes		
DMRViolation	<DMRViolation> <> </DMRViolation>	Yes	No	The parent of DMR violation elements					DMR Violation	DMRViolationSubmission	DMRViolationData				
DMRViolationData	<DMRViolationData> <> </DMRViolationData>	Yes	Yes	The parent of DMR violation data elements					ICIS	DMRViolationSubmission	Payload		Yes		
Document	<Document xmlns="http://www.exchangenetwork.net/schema/draft/icis" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.exchangenetwork.net/schema/draft/icis/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	All XMLs	N/A				
Document	<Document xmlns="http://www.exchangenetwork.net/schema/icis/2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance> <> </Document>	Yes	No	The root element of the XML document					ICIS	All XMLs			Yes		

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
DoesUnitHaveD ailyCover	<DoesUnitHaveDa ilyCover>Y</Does UnitHaveDailyCov er>	No	No	Indicates if the surface disposal unit has a cover placed on it at the end of each day.	xsd:strin g	1	1	Y N *	Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture	Y			
DollarAmountPe naltiesCollected	<DollarAmountPe naltiesCollected>3 678</DollarAmoun tPenaltiesCollecte d>	No	No	The total dollar amount of penalties or fines (excluding surcharges) collected by the Pretreatment Control Authority from Industrial Users in the past year.	xsd:integ er	15	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection			PAMT	Dollar_Amount_of _IU_Penalties_Col lected
DryOrWetWeath erIndicator	<DryOrWetWeath erIndicator>W</Dr yOrWetWeatherIn dicator>	No	No	Indicates whether CSO overflow event occurred during dry or wet weather.	xsd:strin g	1	1	D = Dry weather W = Wet weather * = blank out field	CSO	CSOEventRepo rtSubmission CSOInspection Submission	CSOEventRe port CSOInspectio n				
DurationOfCSO OverflowEvent	<DurationOfCSOO verflowEvent>4.50 </DurationOfCSO OverflowEvent>	No	No	The duration of the CSO overflow event (hours and minutes).	xsd:integ er	7	1	0 to 9999.99	CSO	CSOEventRepo rtSubmission CSOInspection Submission	CSOEventRe port CSOInspectio n				
DurationOfSSO OverflowEvent	<DurationOfSSOO verflowEvent>3.50 </DurationOfSSO OverflowEvent>	No	No	The duration of the SSO overflow event (hours and minutes).	xsd:integ er	7	1	0 to 9999.99	SSO	SSOEventRepo rtSubmission SSOInspection Submission	SSOEventRe port SSOInspectio n				
DurationSinceLa stStormEvent	<DurationSinceLa stStormEvent>5</ DurationSinceLast StormEvent>	No	No	The number of days since the last measurable storm event occurred.	xsd:integ er	3	1	positive integer	SW Event Report	SWEventReport Submission	SWEventRep ort				
DurationStormE ventSampled	<DurationStormEv entSampled>05:1 5</DurationStorm EventSampled>	No	No	The number of hours and minutes the storm event was sampled.	xsd:strin g	5	1	HH:MM	SW Event Report	SWEventReport Submission	SWEventRep ort				
EffluentGuidelin eCode	<EffluentGuideline Code>410</Efflue ntGuidelineCode>	No	Yes	The code that represents the effluent guidelines for the permit.	xsd:strin g	3	1	See ref_perm_effluent for acceptable values	Permit	BasicPermitSub mission GeneralPermitS ubmission	BasicPermit GeneralPermi t	Y			

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
EffluentTradePartner	\<EffluentTradePartner\> \<\> \</EffluentTradePartner\>	Yes	No	The parent of effluent trade partner elements					Effluent Trade Partner	EffluentTradePartnerSubmission	EffluentTradePartnerData				
EffluentTradePartnerAddress	\<EffluentTradePartnerAddress\> \<\> \</EffluentTradePartnerAddress\>	No	No	The parent of effluent trade partner address elements					Effluent Trade Partner	EffluentTradePartnerSubmission	EffluentTradePartner				
EffluentTradePartnerData	\<EffluentTradePartnerData\> \<\> \</EffluentTradePartnerData\>	Yes	Yes	The parent of effluent trade partner data elements					ICIS	EffluentTradePartnerSubmission	Payload		Yes		
EffluentTradePartnerTelephone	\<EffluentTradePartnerTelephone\> \<\> \</EffluentTradePartnerTelephone\>	No	No	The parent of effluent trade partner telephone elements					Effluent Trade Partner	EffluentTradePartnerSubmission	EffluentTradePartnerAddress				
ElectronicAddressText	\<ElectronicAddressText\>jdoe@acmeindustries.com\</ElectronicAddressText\>	No	No	The e-mail address of the organization's contact.	xsd:string	100	1		Contact	BasicPermitSubmission, GeneralPermitSubmission, MasterGeneralPermitSubmission, BiosolidsPermitSubmission, CAFOInspectionSubmission, CAFOPermitSubmission, FacilitySubmission, PermittedFeatureSubmission, SWConstructionSubmission, SWIndustrialSubmission, SWEventReportSubmission, SWInspectionSubmission, SWMS4ProgramReportSubmission,	Contact, ContactAddress, EffluentTradePartnerAddress		Yes		

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on, PretreatmentPe rmitSubmission EffluentTradePa rtnerSubmission					
EligibleForBurde nReduction	<EligibleForBurde nReduction>N</Eli gibleForBurdenRe duction>	No	No	Indicates if the limit is eligible for monitoring burden reduction.	xsd:strin g	1	1	Y N *	Limits	LimitsSubmissio n	Limits	Y			
EMSDeveloped Date	<EMSDevelopedD ate>2005-12-31</EMSDevelope dDate>	No	No	The date the CAFO EMS was developed.	xsd:date	10	10	ccyy-mm-dd	CAFO	CAFOInspectio nSubmission CAFOPermitSu bmission	CAFOInspecti on CAFOPermit				
EMSLastUpdate dDate	<EMSLastUpdate dDate>2004-12-31</EMSLastUpd atedDate>	No	No	The date the CAFO EMS was last updated.	xsd:date	10	10	ccyy-mm-dd	CAFO	CAFOInspectio nSubmission CAFOPermitSu bmission	CAFOInspecti on CAFOPermit				
EndDateOfAddr essAssociation	<EndDateOfAddre ssAssociation>200 7-12-31</EndDateOfAd dressAssociation>	No	No	The date the address became no longer valid.	xsd:date	10	10	ccyy-mm-dd	Address	BasicPermitSub mission, GeneralPermitS ubmission, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS	ContactAddre ss				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on					
EndDateOfCont actAssociation	<EndDateOfConta ctAssociation>200 7-12- 31</EndDateOfCo ntactAssociation>	No	No	The date the contact became no longer valid.	xsd:date	10	10	ccyy-mm-dd	Contact	BasicPermitSub mission, GeneralPermitS ubmission, MasterGeneralP ermitSubmissio n, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, FormalEnforce mentActionSub mission, InformalEnforce mentActionSub mission, PermittedFeatur eSubmission, PretreatmentPe rmitSubmission, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion,	Contact				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on					
EnforcementActi onDate	<EnforcementActi onDate>2004-01-30</EnforcementA ctionDate>	No	No	The date the sub activity or milestone came into effect.	xsd:date	10	10	ccyy-mm-dd	Sub Activity	SubActivitySub mission	SubActivity	Y	Yes	ENDT, APPC, APAH, ESDT, APFO, ENOT, APPD, EACD	Actual_Date, Actual_Hearing_D ate
EnforcementActi onIdentifier	<EnforcementActi onIdentifier>AK-012345678</Enfor cementActionIdent ifier>	Yes	No	The file number or docket number used by the state or region to represent the enforcement action.	xsd:strin g	20	1		Key Elements	ComplianceMon itoringLinkageS ubmission ComplianceSch eduleSubmissio n EnforcementAct ionViolationKey Submission FormalEnforce mentActionSub mission InformalEnforce menActionSub missionSubmiss ion LimitsSubmissio n SubActivitySub mission ComplianceMon itoringLinkageS ubmission	LinkageToEnf orcementActi on ComplianceS chedule Enforcement ActionViolatio nKey FormalEnforc ementAction InformalEnfor cementAction Limits SubActivity LinkageToEnf orcementActi on	Y	Yes	PLFN, CSFN, ERFN	Compliance_Sche dule_Enforcement _Action_Code Enforcement_Acti on_File_Number Limit_File_Number
EnforcementActi onName	<EnforcementActi onName>Acme Industries lawsuit</Enforcem entActionName>	No	No	The name given by the state or region to the enforcement action.	xsd:strin g	100	1		Common	InformalEnforce menActionSub mission	InformalEnfor cementAction	Y	Yes		

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Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
EnforcementActi onPlannedDate	<EnforcementActi onPlannedDate>2 005-01- 30</EnforcementA ctionPlannedDate >	No	No	The date the subactivity or milestone is expected to begin.	xsd:date	10	10	ccyy-mm-dd	Sub Activity	SubActivitySub mission	SubActivity				
EnforcementActi onTypeCode	<EnforcementActi onTypeCode>AFR </EnforcementActi onTypeCode>	Yes when adding a record No for all others	Yes	The code that describes the type of enforcement action taken in response to the violation(s). This code indicates whether an action is formal (adminstrative, judicial or criminal case) or informal (all other situations).	xsd:strin g	7	1	See ref_enf_type table for acceptable values	Common	FormalEnforce mentActionSub mission InformalEnforce menActionSub mission	FormalEnforc ementAction InformalEnfor cementAction	Y	Descripti on	ENAC*	Event_Code
EnforcementActi onViolation	<EnforcementActi onViolation> <> </EnforcementActi onViolation>	Yes	No	The parent of enforcement action violation elements					Enforcement Action Violation Key	EnforcementAct ionViolationKey Submission	Enforcement ActionViolatio nKey				
EnforcementActi onViolationKey	<EnforcementActi onViolationKey> <> </EnforcementActi onViolationKey>	Yes	No	The parent of enforcement action violation key elements					Enforcement Action Violation Key	EnforcementAct ionViolationKey Submission	Enforcement ActionViolatio nKeyData				
EnforcementActi onViolationKeyD ata	<EnforcementActi onViolationKeyDat a> <> </EnforcementActi onViolationKeyDat a>	Yes	Yes	The parent of enforcement action violation key data elements					ICIS	EnforcementAct ionViolationKey Submission	Payload		Yes		
EnvironmentalM anagementSyst emIndicator	<EnvironmentalMa nagementSystemI ndicator>Y</Envir onmentalManage mentSystemIndica tor>	No	No	Indicates if the CAFO facility has some form of environmental management system.	xsd:strin g	1	1	Y N *	CAFO	CAFOInspectio nSubmission CAFOPermitSu bmission	CAFOInspecti on CAFOPermit				
EPAAssistanceI ndicator	<EPAAssistanceIn dicator>N</EPAAs sistanceIndicator>	No	No	Indicates if EPA provided assistance during the inspection.	xsd:strin g	1	1	Y N *	Compliance Monitoring	ComplianceMon itoringSubmissi on	ComplianceM onitoring	Y		INSP*	Inspector_Type_C ode

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
EQProductDistributedMarketedAmount	<EQProductDistributedMarketedAmount>2560</EQProductDistributedMarketedAmount>	No	No	The dry metric tons (DMT) of Exceptional Quality(EQ) biosolids product distributed.	xsd:integer	8	1	positive integer	Biosolids	BiosolidsPermit Submission BiosolidsProgramReportSubmission	BiosolidsPermit BiosolidsProgramReport	Y			
EssentiallyIdenticalOutfallNotification	<EssentiallyIdenticalOutfallNotification>Shared characteristics and activity</EssentiallyIdenticalOutfallNotification>	No	No	The notification of essentially identical outfalls.	xsd:string	50	1		SW Event Report	SWEventReport Submission	SWEventReport				
EstimatedAreaDisturbedAcresNumber	<EstimatedAreaDisturbedAcresNumber>5789</EstimatedAreaDisturbedAcresNumber>	No	No	The estimated number of acres for an area disturbed by the construction project.	xsd:integer	6	1	positive integer	SW	SWConstructionPermitSubmission SWInspectionSubmission	SWConstructionPermit SWUnpermittedConstructionInspection				
EstimatedCompleteDate	<EstimatedCompleteDate>2008-01-30<EstimatedCompleteDate>	No	No	Date the stormwater construction is expected to be completed.	xsd:date	10	10	ccyy-mm-dd	SW	SWConstructionPermitSubmission SWInspectionSubmission	SWConstructionPermit SWUnpermittedConstructionInspection				
EstimatedStartDate	<EstimatedStartDate>2004-01-30</EstimatedStartDate>	No	No	Date the stormwater construction is expected to begin.	xsd:date	10	10	ccyy-mm-dd	SW	SWConstructionPermitSubmission SWInspectionSubmission	SWConstructionPermit SWUnpermittedConstructionInspection				
Facility	<Facility> <> </Facility>	Yes	No	The parent of facility elements					Facility	FacilitySubmission	FacilityData				
FacilityClassification	<FacilityClassification>POF</FacilityClassification>	No	Yes	The code that represents the ownership classification of the facility.	xsd:string	3	1	See ref_facility_type table for acceptable values	Facility	FacilitySubmission	Facility			TYPO*, FTYP*	Ownership_Type_Code
FacilityComments	<FacilityComments>Facility produces power for upper delta only.</FacilityComments>	No	No	A free-form text field for comments that apply to the facility.	xsd:string	4000	1		Facility	FacilitySubmission	Facility			ATNY+ENGI+SLP1+SLP2, NAM2+NAM3+NAM4	Facility_User_Data_Element

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
FacilityCongress ionalDistrictNum ber	<FacilityCongressi onalDistrictNumbe r>EDAR</Facility CongressionalDist rictNumber>	No	No	The number that represents the congressional district a facility resides in.	xsd:strin g	2	2	01 to 99	Facility	FacilitySubmissi on	Facility				
FacilityContact	<FacilityContact> <> </FacilityContact>	No	Yes	The parent of facility contact elements					Facility	FacilitySubmissi on	Facility				
FacilityData	<FacilityData> <> </FacilityData>	Yes	Yes	The parent of facility data elements					ICIS	FacilitySubmissi on	Payload		Yes		
FacilityEnvironm entalJusticeCod e	<FacilityEnvironm entalJusticeCode> EJI</FacilityEnviro nmentalJusticeCo de>	No	No	The code that represents the environmental justice initiative for the facility.	xsd:strin g	3	1	See ref_environmental_ju stice table for acceptable values	Facility	FacilitySubmissi on	Facility				
FacilityLocation	<FacilityLocation> <> </FacilityLocation>	Yes	No	The parent of facility location elements					Address	BasicPermitSub mission, GeneralPermitS ubmission	FacilityLocati on				
FacilitySiteNam e	<FacilitySiteName >Acme Industries</Facility SiteName>	Yes for adding basic, GPCF permit s and unper mitted faciliti es for adding basic, GPCF permit s and unper mitted faciliti es No for all others	No	The name of the facility.	xsd:strin g	80	1		Common	BasicPermitSub mission, GeneralPermitS ubmission, FacilitySubmissi on, UnpermittedFac ilitySubmission	FacilityLocati on, Facility, UnpermittedF acility	Y	Yes	FNMS	

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
FacilitySmallBusinessIndicator	<FacilitySmallBusinessIndicator>Y</FacilitySmallBusinessIndicator>	No	No	Indicates if the facility is to be tracked as an EPA small business initiative.	xsd:string	1	1	Y N *	Facility	FacilitySubmission	Facility				
FacilityTypeofOwnershipCode	<FacilityTypeofOwnershipCode>POF</FacilityTypeofOwnershipCode>	No	No	The code that represents the type of ownership for the facility.	xsd:string	3	1	See ref_facility_type table for acceptable values	Facility	FacilitySubmission	Facility	Y			
FacilityUserDefinedField1	<FacilityUserDefinedField1>Special use</FacilityUserDefinedField1>	No	No	A free-form text field of customized information relating to the facility.	xsd:string	30	1		Facility	FacilitySubmission	Facility			RDF1	Facility_User_Data_Element1
FacilityUserDefinedField2	<FacilityUserDefinedField2>Special use</FacilityUserDefinedField2>	No	No	A free-form text field of customized information relating to the facility.	xsd:string	30	1		Facility	FacilitySubmission	Facility			RDF2	Facility_User_Data_Element2
FacilityUserDefinedField3	<FacilityUserDefinedField3>Special use</FacilityUserDefinedField3>	No	No	A free-form text field of customized information relating to the facility.	xsd:string	30	1		Facility	FacilitySubmission	Facility			RDF3	Facility_User_Data_Element3
FacilityUserDefinedField4	<FacilityUserDefinedField4>Special use</FacilityUserDefinedField4>	No	No	A free-form text field of customized information relating to the facility.	xsd:string	30	1		Facility	FacilitySubmission	Facility			RDF4	Facility_User_Data_Element4
FacilityUserDefinedField5	<FacilityUserDefinedField5>Special use</FacilityUserDefinedField5>	No	No	A free-form text field of customized information relating to the facility.	xsd:string	30	1		Facility	FacilitySubmission	Facility			RDF5	Facility_User_Data_Element5
FederalAgencyCode	<FederalAgencyCode>19</FederalAgencyCode>	No	No	The code that represents the federal agency related to the facility.	xsd:string	5	1	See ref_agency table for acceptable values	Facility	FacilitySubmission	Facility				
FederalFacilityIdentificationNumber	<FederalFacilityIdentificationNumber>DC-000310001</FederalFacilityIdentificationNumber>	No	No	The identification number of a Federal facility in the format of a two character state FIPS code, followed by a dash, followed by	xsd:string	12	12		Facility	FacilitySubmission	Facility		Yes	FFID	Federal_Facility_Identifier_Number

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				a four character Federal Agency code, followed by a five character GSA installation number.											
FederalGrantInd icator	<FederalGrantIndi cator>Y</Federal GrantIndicator>	No	No	Indicates if the facility applied for and received Federal grant dollars for construction. This data provides historical insight into POTW funding.	xsd:strin g	1	1	Y N *	Permit	BasicPermitSub mission GeneralPermitS ubmission	BasicPermit GeneralPermi t				
FieldSize	<FieldSize>350</ FieldSize>	No	No	The size in square feet of the field used for land application.	xsd:integ er	3	1	positive integer	Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture				
FinalOrder	<FinalOrder> <> </FinalOrder>	No	No	The parent of final order elements					Formal Enforcement Action	FormalEnforce mentActionSub mission	FormalEnforc ementAction				
FinalOrderEntere edDate	<FinalOrderEntere dDate>2005-12- 31</FinalOrderEnt eredDate>	No	No	The date the final order was signed by the presiding judge and entered by the clerk of the court as stamped on the document. Either <FinalOrderEntere dDate> or <FinalOrderIssued Date> must be in the XML submission files but not all at the same time.	xsd:date	10	10	ccyy-mm-dd	Formal Enforcement Action	FormalEnforce mentActionSub mission	FinalOrder	Y		ENDT,A PFO	
FinalOrderIssue dDate	<FinalOrderIssued Date>2004-12- 31</FinalOrderIss uedDate>	No	No	The date the final order was issued by the issuing authority. Either <FinalOrderEntere dDate> or	xsd:date	10	10	ccyy-mm-dd	Formal Enforcement Action	FormalEnforce mentActionSub mission	FinalOrder	Y		ESDT	Date_of_Final_Or der

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				<FinalOrderIssued Date> must be in the XML submission files but not all at the same time.											
FinalOrderQNCRComments	<FinalOrderQNCRComments>Data is wrong, not out of compliance.</FinalOrderQNCRComments>	No	No	A free-form text field for comments that apply to final order's QNCR.	xsd:string	2000	1		Formal Enforcement Action	FormalEnforcementActionSubmission	FinalOrder			ECM1+ECM2+ECM3+ECM4+ECM5+ECM6+ECM7+ECM8+ECM9+ECM0	Comment_Text
FinalOrderTypeCode	<FinalOrderTypeCode>CDC</FinalOrderTypeCode>	Yes	No	The code that represents the type of final order.	xsd:string	3	1	See ref_enf_conclusion_action table for acceptable values	Formal Enforcement Action	FormalEnforcementActionSubmission	FinalOrder	Y	Description	ENAC	Enforcement_Action_Type
FirstName	<FirstName>John</FirstName>	Yes	No	The first name of the contact.	xsd:string	30	1		Contact	BasicPermitSubmission, GeneralPermitSubmission, MasterGeneralPermitSubmission, BiosolidsPermitSubmission, CAFOInspectionSubmission, CAFOPermitSubmission, FacilitySubmission, FormalEnforcementActionSubmission, InformalEnforcementActionSubmission, PermittedFeatureSubmission, PretreatmentPermit, SWConstructionSubmission, SWIndustrialSu	Contact	Y	Yes	COOR,	First_Name

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on					
FormalEAUserD efinedField1	<FormalEAUserD efinedField1>Spec ial use</FormalEAUs erDefinedField1>	No	No	This field stores customized information relating to the formal enforcement action.	xsd:strin g	1	1	Y N *	Formal Enforcement Action	FormalEnforce mentActionSub mission	FormalEnforc ementAction			RDH1	Enforcement_Acti on_Regional_Field 1
FormalEAUserD efinedField2	<FormalEAUserD efinedField2>Spec ial use</FormalEAUs erDefinedField2>	No	No	This field stores customized information relating to the formal enforcement action.	xsd:strin g	50	1		Formal Enforcement Action	FormalEnforce mentActionSub mission	FormalEnforc ementAction			RDH2	Enforcement_Acti on_Regional_Field 2
FormalEAUserD efinedField3	<FormalEAUserD efinedField3>Spec ial use</FormalEAUs erDefinedField3>	No	No	This field stores customized information relating to the formal enforcement action.	xsd:strin g	50	1		Formal Enforcement Action	FormalEnforce mentActionSub mission	FormalEnforc ementAction				
FormalEAUserD efinedField4	<FormalEAUserD efinedField4>Spec ial use</FormalEAUs erDefinedField4>	No	No	This field stores customized information relating to the formal enforcement action.	xsd:date	10	10	ccyy-mm-dd	Formal Enforcement Action	FormalEnforce mentActionSub mission	FormalEnforc ementAction				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
FormalEAUserD efinedField5	<FormalEAUserD efinedField5>Spec ial use</FormalEAUs erDefinedField5>	No	No	This field stores customized information relating to the formal enforcement action.	xsd:date	10	10	ccyy-mm-dd	Formal Enforcement Action	FormalEnforce mentActionSub mission	FormalEnforc ementAction				
FormalEAUserD efinedField6	<FormalEAUserD efinedField6>Spec ial use</FormalEAUs erDefinedField6>	No	No	This field stores customized information relating to the formal enforcement action.	xsd:strin g	4000	1		Formal Enforcement Action	FormalEnforce mentActionSub mission	FormalEnforc ementAction				
FormalEnforcem entAction	<FormalEnforcem entAction> <> </FormalEnforcem entAction>	Yes	No	The parent of formal enforcement action elements					Formal Enforcement Action	FormalEnforce mentActionSub mission	FormalEnforc ementAction Data				
FormalEnforcem entActionData	<FormalEnforcem entActionData> <> </FormalEnforcem entActionData>	Yes	Yes	The parent of formal enforcement action data elements					ICIS	FormalEnforce mentActionSub mission	Payload		Yes		
FormalRespons eViolationIUSch eduleForRemedi alMeasures	<FormalResponse ViolationIUSchedu leForRemedialMe asures>N</Formal ResponseViolation IUScheduleForRe medialMeasures>	No	No	Indicates whether a formal enforcement action has been taken in response to a violation of any schedule for implementation of needed remedial measures identified as a result of audits or inspections.	xsd:strin g	1	1	Y N *	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection			RSCH	Response_to_Viol ation_of_Schedule _for_Remedial_M easures_Flag
FrequencyOfAn alysisCode	<FrequencyOfAnal ysisCode>REPRT </FrequencyOfAn alysisCode>	No	No	The code that represents the frequency that limit samples are analyzed. The general format is XX/YY where XX = number of times sampled and YY = period of time sampled.	xsd:strin g	5	1	See ref_frequency_of_an alysis table for acceptable values	Limits	LimitsSubmissio n	Limits			FRAN	Frequency_of_An alysis_Code

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
GeneralPermit	<GeneralPermit> <> </GeneralPermit>	Yes	No	The parent of general permit elements					General Permit	GeneralPermitSubmission	GeneralPermitData				
GeneralPermitData	<GeneralPermitData> <> </GeneralPermitData>	Yes	Yes	The parent of general permit data elements					ICIS	GeneralPermitSubmission	Payload		Yes		
GeneralPermitIndustrialCategory	<GeneralPermitIndustrialCategory>016</GeneralPermitIndustrialCategory>	No	No	A code that represents the industrial category for a general permit.	xsd:string	3	1	See ref_perm_industrial_cat table for acceptable values	Master General Permit	MasterGeneralPermitSubmission	MasterGeneralPermit	Y			
GeographicCoordinates	<GeographicCoordinates> <> </GeographicCoordinates>	No	No	The parent of geographic coordinates					Facility	FacilitySubmission, PermittedFeatureSubmission	Facility, PermittedFeature				
GeometricTypeCode	<GeometricTypeCode>003</GeometricTypeCode>	No	No	The code that represents the geometric entity represented by one point or a sequence of latitude and longitude points.	xsd:string	3	1	See ref_geometric_type table for acceptable values	Geographic Coordinates	FacilitySubmission, PermittedFeatureSubmission	GeographicCoordinates		Description		
GPCFConstructionWaiver	<GPCFConstructionWaiver> <> </GPCFConstructionWaiver>	No	No	The parent of GPCF construction waiver elements					Storm Water MS4 Small Permit	SWMS4SmallPermitSubmission	SWMS4SmallPermit				
GPCFNoExposure	<GPCFNoExposure> <> </GPCFNoExposure>	No	No	The parent of GPCF no exposure elements					Storm Water Industrial	SWIndustrialPermitSubmission	SWIndustrialPermit				
GPCFNoticeOfIntent	<GPCFNoticeOfIntent> <> </GPCFNoticeOfIntent>	No	No	The parent of GPCF notice of intent elements					SW	SWConstructionPermitSubmission, SWIndustrialPermitSubmission	SWConstructionPermit, SWIndustrialPermit				
GPCFNoticeOfTermination	<GPCFNoticeOfTermination> <> </GPCFNoticeOfTermination>	No	No	The parent of GPCF notice of termination elements					SW	SWConstructionPermitSubmission, SWIndustrialPermitSubmission	SWConstructionPermit, SWIndustrialPermit				

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
Header	\<Header\> \<\> \</Header\>	Yes	No	Parent tag for all header elements	N/A	N/A	N/A	N/A	Header	All XMLs	Document				
Header	\<Header\> \<\> \</Header\>	Yes	No	The parent of header elements					Header	All XMLs	Document		Yes		
HistoricProperty CriterionMetCode	\<HistoricProperty CriterionMetCode\>WRA\</HistoricPropertyCriterionMetCode\>	No	No	The basis for meeting the National Historic Preservation Act provisions.	xsd:string	3	1	See ref_historic_criterion table for acceptable values	SW	SWConstruction PermitSubmission SWIndustrialPermitSubmission SWMS4LargePermitSubmission SWMS4SmallPermitSubmission	SWConstructionPermit SWIndustrial Permit SWMS4Large Permit SWMS4Small Permit				
HistoricPropertyIndicator	\<HistoricPropertyIndicator\>Y\</HistoricPropertyIndicator\>	No	No	Indicates if the property meets the National Historic Preservation Act provisions.	xsd:string	1	1	Y N *	SW	SWConstruction PermitSubmission SWIndustrialPermitSubmission SWMS4LargePermitSubmission SWMS4SmallPermitSubmission	SWConstructionPermit SWIndustrial Permit SWMS4Large Permit SWMS4Small Permit				
HorizontalAccuracyMeasure	\<HorizontalAccuracyMeasure\>5379\</HorizontalAccuracyMeasure\>	No	No	Measure of the technical accuracy in meters of the latitude and longitude coordinates.	xsd:integer	6	1		Geographic Coordinates	FacilitySubmission, PermittedFeatureSubmission	GeographicCoordinates	Y	Yes	FLLC*, PLLC*	Horizontal_Accuracy_Measure
HorizontalCollectionMethodCode	\<HorizontalCollectionMethodCode\>008\</HorizontalCollectionMethodCode\>	No	No	The code that represents the procedure or method used to determine the latitude and longitude coordinates.	xsd:string	3	1	See ref_horizontal_collect_method table for acceptable values	Geographic Coordinates	FacilitySubmission, PermittedFeatureSubmission	GeographicCoordinates	Y	Description	FLLM*, PLLM*	Horizontal_Collection_Method_Code

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
HorizontalReferenceDatumCode	<HorizontalReferenceDatumCode>002</HorizontalReferenceDatumCode>	No	No	The code that represents the reference datum used in determining latitude and longitude coordinates. A datum is a network of monuments and reference points defining a mathematical surface from which geographic computations can be made (see EPA Locational Data Policy Implementations Guidance).	xsd:string	3	1	See ref_horizontal_ref_datum table for acceptable values	Geographic Coordinates	FacilitySubmission, PermittedFeatureSubmission	GeographicCoordinates	Y	Description	FLLT*, PLLT*	Horizontal_Reference_Datum_Code
HousedUnderRoofConfinementCount	<HousedUnderRoofConfinementCount>500</HousedUnderRoofConfinementCount>	No	No	The number of animals, by type, housed under a roof (either partially or totally) at the CAFO facility for a total of 45 days or more in a 12-month period.	xsd:integer	9	1	positive integer	CAFO	CAFOInspectionSubmission, CAFOPermitSubmission	AnimalType				
Id	<Id>UUStaffer1</Id>	Yes	No	The ICIS ID of the XML submittor.	xsd:string	30	3		Header	All XMLs	Header				Partner_Identification
ImpactOfSSOEvent	<ImpactOfSSOEvent>R</ImpactOfSSOEvent>	No	Yes	The code that represents the impact of the SSO event.	xsd:string	3	1	See ref_sso_impact table for acceptable values	SSO	SSOEventReportSubmission SSOInspectionSubmission	SSOEventReport SSOInspection				
ImpairedWaterIndicator	<ImpairedWaterIndicator>Y</ImpairedWaterIndicator>	No	No	Indicates if the receiving water is impaired.	xsd:string	1	1	Y N *	SW	SWConstructionPermitSubmission SWIndustrialPermitSubmission SWMS4LargePermitSubmissio	SWConstructionPermit SWIndustrialPermit SWMS4LargePermit SWMS4Small				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
										n SWMS4SmallPermitSubmission	Permit				
InadequacyOfSamplingInspectionIndicator	<InadequacyOfSamplingInspectionIndicator>N</InadequacyOfSamplingInspectionIndicator>	No	No	Indicates whether the Pretreatment Control Authority performs inadequate inspections and sampling of its Industrial Users to accomplish a number of specific goals.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentInspectionSubmission PretreatmentPerformanceSummarySubmission	PretreatmentInspection Pretreatment Performance Summary			SMDF	PCI_Checklist_Finding_Code
InchesOfPrecipitation	<InchesOfPrecipitation>3.01</InchesOfPrecipitation>	No	No	The measure in inches of rainfall or snowfall precipitation that triggered the CSO event.	xsd:integer	6	1	0 to 999.99	CSO	CSOEventReportSubmission CSOInspectionSubmission	CSOEventReport CSOInspection				
IncineratedAmount	<IncineratedAmount>5000</IncineratedAmount>	No	No	The dry metric tons (DMT) of sewage sludge incinerated.	xsd:integer	8	1	positive integer	Biosolids	BiosolidsPermitSubmission BiosolidsProgramReportSubmission	BiosolidsPermit BiosolidsProgramReport	Y			
Incinerator	<Incinerator> <> </Incinerator>	No	No	The parent of incinerator site elements					Discharge Monitoring Report	DischargeMonitoringReportSubmission	DischargeMonitoringReport				
IndividualTitleText	<IndividualTitleText>Chief Executive Officer</IndividualTitleText>	Yes	No	Title or responsibililty of the contact within the organization.	xsd:string	40	1		Contact	BasicPermitSubmission, GeneralPermitSubmission, MasterGeneralPermitSubmission, BiosolidsPermitSubmission, CAFOInspectionSubmission, CAFOPermitSubmission, FacilitySubmission, FormalEnforce	Contact	Y			

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										mentActionSub mission, InformalEnforce mentActionSub mission, PermittedFeatur eSubmission, PretreatmentPe rmit, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on					
IndustrialActivity Size	<IndustrialActivity Size>500</Industri alActivitySize>	No	No	The size of the site for which No Exposure Certification is being requested in acres.	xsd:integ er	8	1	positive integer	SW Industrial Permit	SWIndustrialPer nitSubmission	GPCFNoExp osure				
InformalEACom mentText	<InformalEACom mentText>Action followed up with a call.</InformalEAC ommentText>	No	No	A free-form text field for comments that apply to the informal enforcement action.	xsd:strin g	4000	1		Informal Enforcement Action	InformalEnforce menActionSub mission	InformalEnfor cementAction	Y		ECM1+E CM2+E CM3+E CM4+E CM5+E CM6+E CM7+E CM8+E CM9+E CM0	Comment_Text

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
InformalEAUser DefinedField1	<InformalEAUserD efinedField1>Spec ial use</InformalEAU serDefinedField1>	No	No	This field stores customized information relating to the informal enforcement action.	xsd:strin g	1	1	Y N *	Informal Enforcement Action	InformalEnforce menActionSub mission	InformalEnfor cementAction			RDH1	Enforcement_Acti on_Regional_Field 1
InformalEAUser DefinedField2	<InformalEAUserD efinedField2>Spec ial use</InformalEAU serDefinedField2>	No	No	This field stores customized information relating to the informal enforcement action.	xsd:strin g	50	1		Informal Enforcement Action	InformalEnforce menActionSub mission	InformalEnfor cementAction			RDH2	Enforcement_Acti on_Regional_Field 2
InformalEAUser DefinedField3	<InformalEAUserD efinedField3>Spec ial use</InformalEAU serDefinedField3>	No	No	This field stores customized information relating to the informal enforcement action.	xsd:strin g	50	1		Informal Enforcement Action	InformalEnforce menActionSub mission	InformalEnfor cementAction				
InformalEAUser DefinedField4	<InformalEAUserD efinedField4>Spec ial use</InformalEAU serDefinedField4>	No	No	This field stores customized information relating to the informal enforcement action.	xsd:date	10	10	ccyy-mm-dd	Informal Enforcement Action	InformalEnforce menActionSub mission	InformalEnfor cementAction				
InformalEAUser DefinedField5	<InformalEAUserD efinedField5>Spec ial use</InformalEAU serDefinedField5>	No	No	This field stores customized information relating to the informal enforcement action.	xsd:date	10	10	ccyy-mm-dd	Informal Enforcement Action	InformalEnforce menActionSub mission	InformalEnfor cementAction				
InformalEAUser DefinedField6	<InformalEAUserD efinedField6>Spec ial use</InformalEAU serDefinedField6>	No	No	This field stores customized information relating to the informal enforcement action.	xsd:strin g	4000	1		Informal Enforcement Action	InformalEnforce menActionSub mission	InformalEnfor cementAction				
InformalEnforce mentAction	<InformalEnforce mentAction> <> </InformalEnforce mentAction>	Yes	No	The parent of informal enforcement action elements					Informal Enforcement Action	InformalEnforce mentActionSub mission	InformalEnfor cementAction Data				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
InformalEnforcementActionData	<InformalEnforcementActionData> <> </InformalEnforcementActionData>	Yes	Yes	The parent of informal enforcement action data elements					ICIS	InformalEnforcementActionSubmission	Payload		Yes		
InitialDMRDueDate	<InitialDMRDueDate>2001-12-31</InitialDMRDueDate>	Yes	No	The date the limit set's first DMR is due to the regulatory authority after the permit has become effective.	xsd:date	10	10	ccyy-mm-dd	Limit Set	LimitSetSubmission	LimitSetSchedule	Y		STSS	Initial_EPA_Submission_Date Initial_State_Submission_Date
InitialMonitoringDate	<InitialMonitoringDate>2000-01-31<InitialMonitoringDate>	Yes	No	The date the limit set's monitoring of a limit began under the effective permit.	xsd:date	10	10	ccyy-mm-dd	Limit Set	LimitSetSubmission	LimitSetSchedule	Y		STRP	Initial_Report_Date
InspectionCommentText	<InspectionCommentText>Inspection shortened due to inclement weather.</InspectionCommentText>	No	No	A free-form text field for comments that apply to the inspection.	xsd:string	4000	1		Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring			ICOM	Comment_Text
InspectionContact	<InspectionContact> <> </InspectionContact>	No	Yes	The parent of inspection contact elements					Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring				
InspectionRatingCode	<InspectionRatingCode>UNS</InspectionRatingCode>	No	No	A code that represents the inspection rating of the facility (satisfactory, marginal, unsatisfactory).	xsd:string	3	1	See ref_insp_rating table for acceptable values	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring			FEVR	Quality_Assurance_Rating_Code
InspectionUserDefinedField1	<InspectionUserDefinedField1>Y</InspectionUserDefinedField1>	No	No	Free-form text describing the inspection.	xsd:string	1	1	Y N *	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring				
InspectionUserDefinedField2	<InspectionUserDefinedField2>Special use</InspectionUserDefinedField2>	No	No	Free-form text describing the inspection.	xsd:string	50	1		Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
InspectionUserD efinedField3	<InspectionUserD efinedField3>Spec ial use</InspectionUs erDefinedField3>	No	No	Free-form text describing the inspection.	xsd:strin g	50	1		Compliance Monitoring	ComplianceMon itoringSubmissi on	ComplianceM onitoring				
InspectionUserD efinedField4	<InspectionUserD efinedField4>2005 -12- 31</InspectionUse rDefinedField4>	No	No	Free-form text describing the inspection.	xsd:date	10	10		Compliance Monitoring	ComplianceMon itoringSubmissi on	ComplianceM onitoring				
InspectionUserD efinedField5	<InspectionUserD efinedField5>2005 -12- 31</InspectionUse rDefinedField5>	No	No	Free-form text describing the inspection.	xsd:date	10	10		Compliance Monitoring	ComplianceMon itoringSubmissi on	ComplianceM onitoring				
InspectionUserD efinedField6	<InspectionUserD efinedField6>Spec ial use</InspectionUs erDefinedField6>	No	No	Free-form text describing the inspection.	xsd:strin g	4000	1		Compliance Monitoring	ComplianceMon itoringSubmissi on	ComplianceM onitoring				
IsAnimalFacility TypeCAFOIndic ator	<IsAnimalFacilityT ypeCAFOIndicator >Y</IsAnimalFacili tyTypeCAFOIndic ator>	No	No	Indicates if the facility is a CAFO facility.	xsd:strin g	1	1	Y N *	CAFO	CAFOInspectio nSubmission CAFOPermitSu bmission	CAFOInspecti on CAFOPermit	Y			
IsRequiredNitrat eGroundWater	<IsRequiredNitrate GroundWater>Y</ IsRequiredNitrate GroundWater>	No	No	Indicates if nitrate groundwater monitoring is required.	xsd:strin g	1	1	Y N *	Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture				
IsSiteOwnByFac ility	<IsSiteOwnByFaci lity>Y</IsSiteOwn ByFacility>	No	No	Indicates if the site is owned by the facility.	xsd:strin g	1	1	Y N *	Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture				
IsSystemLined WithLeachate	<IsSystemLinedWi thLeachate>Y<IsS ystemLinedWithLe achate>	No	No	Indicates if the surface disposal site is lined with a leachate collection system.	xsd:strin g	1	1	Y N *	Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture	Y			
IUsWhichPenalti esHaveBeenColl ected	<IUsWhichPenalti esHaveBeenColle cted>45</IUsWhic hPenaltiesHaveBe enCollected>	No	No	The number of Industrial Users from which monetary penalties or fines (beyond the typical user charges) that have	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection	Y		IUPN	Industrial_Users_fr om_which_Penalti es_Have_Been_C ollected

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				been collected by the Pretreatment Control Authority in the past year.											
JointInspectionReasonCode	<JointInspectionReasonCode>JNT</JointInspectionReasonCode>	No	No	The code that represents the reason the inspection was performed jointly.	xsd:string	3	1	See ref_joint_inspection_purpose table for acceptable values	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring	Y			
LandApplicationBMP	<LandApplicationBMP> <> </LandApplicationBMP>	No	Yes	The parent of land application BMP elements					CAFO	CAFOInspectionSubmission, CAFOPermitSubmission	CAFOInspection, CAFOPermit				
LandApplicationBMPTypeCode	<LandApplicationBMPTypeCode>BUF</LandApplicationBMPTypeCode>	Yes	No	The code that represents which conservation practices the facility implements to control runoff and protect water quality.	xsd:string	3	1	See ref_bmp table for acceptable values	CAFO	CAFOInspectionSubmission, CAFOPermitSubmission	LandApplicationBMP				
LandApplicationSite	<LandApplicationSite> <> </LandApplicationSite>	No	No	The parent of land application site elements					Discharge Monitoring Report	DischargeMonitoringReportSubmission	DischargeMonitoringReport				
LandAppliedAmount	<LandAppliedAmount>2200</LandAppliedAmount>	No	No	The dry metric tons (DMT) of bulk land application of non-exceptional quality biosolids.	xsd:integer	8	1	positive integer	Biosolids	BiosolidsPermitSubmission BiosolidsProgramReportSubmission	BiosolidsPermit BiosolidsProgramReport	Y			
LastName	<LastName>Doe</LastName>	Yes	No	The surname of the contact.	xsd:string	30	1		Contact	BasicPermitSubmission, GeneralPermitSubmission, MasterGeneralPermitSubmission, BiosolidsPermitSubmission, CAFOInspectionSubmission, CAFOPermitSubmission, FacilitySubmission,	Contact	Y	Yes	COOR,	Last_Name

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
										FormalEnforcementActionSubmission, InformalEnforcementActionSubmission, PermittedFeatureSubmission, PretreatmentPermit, SWConstructionSubmission, SWIndustrialSubmission, SWEventReportSubmission, SWInspectionSubmission, SWMS4ProgramReportSubmission, SWMS4LargePermitSubmission, SWMS4SmallPermitSubmission, ComplianceMonitoringSubmission						
LatitudeMeasure	<LatitudeMeasure>33.4833334</LatitudeMeasure>	Yes	No	The measure of the latitude in decimal degrees. Either <PermittedFeatureIdentifier> or <CSOOverflowLocationStreet> or <LatitudeMeasure> + <LongitudeMeasure> must be in the CSO XML submission files but not all at the same time. Either <SSOOverflowLocationStreet> or <LatitudeMeasure	xsd:string	10	10		Geographic Coordinates	FacilitySubmission, PermittedFeatureSubmission CSOInspectionSubmission CSOEventReportSubmission SSOEventReportSubmission SSOInspectionSubmission	GeographicCoordinates CSOInspection CSOEventReport SSOEventReport SSOInspection	Y	Yes	FLAT*, PLAT*	Latitude_Measure

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				> + <LongitudeMeasure> must be in the SSO XML submission files but not all at the same time.											
LeadParty	<LeadParty>S</LeadParty>	No	No	The code that represents the type of agency leading an inspection.	xsd:string	1	1	S - State E - EPA * - blank out field	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring	Y		INSP*	Inspector_Type_Code
LegalAuthorityDeficiencies	<LegalAuthorityDeficiencies>Y</LegalAuthorityDeficiencies>	No	No	Indicates if areas of problems or deficiencies exists in the legal authority of the Pretreatment Control Authority as a result of changes since program approval.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection			LADF	PCI_Checklist_Finding_Code
LegalDescriptionText	<LegalDescriptionText>Hanover Township, Shiloh Section, Ridge Range.</LegalDescriptionText>	No	No	The township, section and range the CAFO facility resides in.	xsd:string	100	1		CAFO Permit	CAFOPermitSubmission	CAFOPermit				
LegalEntityTypeCode	<LegalEntityTypeCode>STA</LegalEntityTypeCode>	No	No	The code that represents the type of entity permitted.	xsd:string	3	1	See ref_legal_entity table for acceptable values	SW	SWMS4LargePermitSubmission SWMS4SmallPermitSubmission	SWMS4LargePermit SWMS4SmallPermit				
LimitDates	<LimitDates> <> </LimitDates>	Yes if the limits or parameter limits parent element is not present No for all	Yes	The parent of limit dates elements					Limits	LimitsSubmission	LimitsData				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
	others														
LimitEndDate	<LimitEndDate>2000-12-31</LimitEndDate>	Yes	No	The date the limit started for the given parameter and limit set.	xsd:date	10	10	ccyy-mm-dd	Common	EffluentTradePartnerSubmission LimitsSubmission	EffluentTrade Partner Limits, LimitDates	Y		ELED	Modification_Period_End_Date Final_Limits_End_Date Interim_Limits_End_Date Initial_Limits_End_Date
LimitModification EffectiveDate	<LimitModification EffectiveDate>2001-12-31</LimitModificationEffectiveDate>	No	No	The date the modification of the limit becomes effective	xsd:date	10	10	ccyy-mm-dd	Limits	LimitsSubmission	Limits			MODN*, COLS*	
LimitModification TypeCode	<LimitModification TypeCode>MIN</LimitModificationTypeCode>	No	No	The code that represents the modification type of the limit (major, minor, permit authorized change).	xsd:string	3	1	See ref_modification_type table for acceptable values	Limits	LimitsSubmission	Limits			ELSD*, MODN*, COLS*	
Limits	<Limits> <> </Limits>	Yes if the limit dates or parameter limits parent element is not present No for all others	No	The parent of limits elements					Limits	LimitsSubmission	LimitsData				
LimitsData	<LimitsData> <> </LimitsData>	Yes	Yes	The parent of limits data elements					ICIS	LimitsSubmission	Payload		Yes		

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	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.	xsd:integer	2	1	0-12	Key Elements	EffluentTradePartnerSubmission LimitsSubmission DischargeMonitoringReportSubmission, DMRViolationSubmission EnforcementActionViolationKeySubmission	EffluentTradePartner Limits, LimitDates, ParameterLimits ReportParameter DMRViolation DischargeMonitoringReportViolation	Y		SEAN	Season_Number
LimitSet	<LimitSet> <> </LimitSet>	Yes	No	The parent of limit set elements					Limit Set	LimitSetSubmission	LimitSetData				
LimitSetData	<LimitSetData> <> </LimitSetData>	Yes	Yes	The parent of limit set data elements					ICIS	LimitSetSubmission	Payload		Yes		
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	DischargeMonitoringReportSubmission DMRViolationSubmission DMRProgramReportLinkageSubmission EffluentTradePartnerSubmission EnforcementActionViolationKeySubmission LimitSetSubmission LimitsSubmission	DischargeMonitoringReport DMRViolation DMRProgramReportLinkage EffluentTradePartner DischargeMonitoringReportViolation LimitSet Limits, LimitDates, ParameterLimits	Y		DRID	Report_Designator
LimitSetModificationEffectiveDate	<LimitSetModificationEffectiveDate>2001-12-31</LimitSetModificationEffectiveDate>	No	No	The date the limit set modification became effective.	xsd:date	10	10	ccyy-mm-dd	Limit Set	LimitSetSubmission	LimitSetSchedule, UnscheduleLimitSet	Y			

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
LimitSetModificationTypeCode	<LimitSetModificationTypeCode>MAJ</LimitSetModificationTypeCode>	No	No	The code that represents the modification type of the limit set.	xsd:string	3	1	See ref_modification_type table for acceptable values	Limit Set	LimitSetSubmission	LimitSetSchedule, UnscheduleLimitSet	Y			
LimitSetMonthsApplicable	<LimitSetMonthsApplicable>JAN</LimitSetMonthsApplicable>	Yes when adding a record No for all others	Yes, up to 12 times	The month all limits in the limit set applies, allowing or preempting DMR printing and DMR non-receipt tracking during specific months or seasons. This tag may appear up to 12 times in the XML file (once for every month).	xsd:string	3	3	ALL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC *	Limit Set	LimitSetSubmission	LimitSet	Y		ALLP	Reporting_Indicators
LimitSetNameText	<LimitSetNameText>Summer monitoring</LimitSetNameText>	No	No	A description of the limit set.	xsd:string	100	1		Limit Set	LimitSetSubmission	ScheduledLimitSet, UnscheduledLimitSet			PIPE	Discharge_Description
LimitSetSchedule	<LimitSetSchedule> <> </LimitSetSchedule>	Yes when adding a limit set No for all others	No	The parent of limit set schedule elements					Limit Set	LimitSetSubmission	ScheduledLimitSet				
LimitSetStatus	<LimitSetStatus> <> </LimitSetStatus>	Yes when adding a limit set No for all others	No	The parent of limit set status elements					Limit Set	LimitSetSubmission	ScheduledLimitSet, UnscheduledLimitSet				
LimitSetStatusIndicator	<LimitSetStatusIndicator>I</LimitSetStatusIndicator>	Yes	No	Indicates whether the limit set is active or inactive.	xsd:string	1	1	A - Active I - Inactive * - blank out field	Status	LimitSetSubmission	LimitSetStatus	Y			

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
LimitSetStatusReasonText	<LimitSetStatusReasonText>Outfall shut down for 6 months of renovation work</LimitSetStatusReasonText>	No	No	A description of the reason for the limit set's status.	xsd:string	100	1		Status	LimitSetSubmission	LimitSetStatus				
LimitSetStatusStartDate	<LimitSetStatusStartDate>2004-12-31</LimitSetStatusStartDate>	Yes	No	The date the limit set became active or inactive.	xsd:date	10	10	ccyy-mm-dd	Status	LimitSetSubmission	LimitSetStatus	Y			
LimitSetUserDefinedDataElement1Text	<LimitSetUserDefinedDataElement1Text>Special Use</LimitSetUserDefinedDataElement1Text>	No	No	This field stores customized information relating to the limit set.	xsd:integer	10	1	positive or negative integer with floating decimal	Limit Set	LimitSetSubmission	ScheduledLimitSet, Unscheduled LimitSet				
LimitSetUserDefinedDataElement2Text	<LimitSetUserDefinedDataElement2Text>Special use</LimitSetUserDefinedDataElement2Text>	No	No	This field stores customized information relating to the limit set.	xsd:string	150	1		Limit Set	LimitSetSubmission	ScheduledLimitSet, Unscheduled LimitSet				
LimitStartDate	<LimitStartDate>2005-12-31</LimitStartDate>	Yes	No	The date the limit became effective.	xsd:date	10	10	ccyy-mm-dd	Common	EffluentTradePartnerSubmission LimitsSubmission	EffluentTrade Partner Limits, LimitDates	Y		ELSD	Modification_Period_Start_Date Final_Limits_Start_Date Interim_Limits_Start_Date Initial_Limits_Start_Date
LimitStayTypeCode	<LimitStayTypeCode>Z</LimitStayTypeCode>	No	No	The code that represents if the limit is currently in adjudication. Limits are stayed pending resolution of the adjudication, to avoid having them appear on a DMR, to be treated as monitor only, or have a different value in effect during the period of the stay.	xsd:string	1	1	See ref_stay_type table for acceptable values	Stays	LimitsSubmission	Limits	Y		CONP	Contested_Parameter_Indicator_Code

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
LimitsUserDefinedField1	<LimitsUserDefinedField1>Special use</LimitsUserDefinedField1>	No	No	This field stores customized information relating to the limit.	xsd:string	1	1		Limits	LimitsSubmission	Limits			UDF1	Limit_User_Data_Element1
LimitsUserDefinedField2	<LimitsUserDefinedField2>Special use</LimitsUserDefinedField2>	No	No	This field stores customized information relating to the limit.	xsd:string	30	1		Limits	LimitsSubmission	Limits			UDF2	Limit_User_Data_Element2
LimitsUserDefinedField3	<LimitsUserDefinedField3>Special use</LimitsUserDefinedField3>	No	No	This field stores customized information relating to the limit.	xsd:string	150	1		Limits	LimitsSubmission	Limits			UDF3	Limit_User_Data_Element3
LimitTypeCode	<LimitTypeCode>ENF</LimitTypeCode>	No	No	The code that indicates the type of limit (alert, enforceable).	xsd:string	3	1	See ref_limit_type table for acceptable values	Limits	LimitsSubmission	Limits	Y			
LinkageToBiosolidsReport	<LinkageToBiosolidsReport><></LinkageToBiosolidsReport>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to biosolids report elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				
LinkageToCAFOAnnualReport	<LinkageToCAFOAnnualReport><></LinkageToCAFOAnnualReport>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to CAFO annual report elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
LinkageToCSOEventReport	<LinkageToCSOEventReport> <> </LinkageToCSOEventReport>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to CSO event report elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				
LinkageToEnforcementAction	<LinkageToEnforcementAction> <> </LinkageToEnforcementAction>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to enforcement action elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				
LinkageToLocalLimitsReport	<LinkageToLocalLimitsReport> <> </LinkageToLocalLimitsReport>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to local limits report elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				
LinkageToOtherInspection	<LinkageToOtherInspection> <> </LinkageToOtherInspection>	Yes if no other linkage parent tags are present	Yes	The parent of linkage to other inspection elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
		No for all others													
LinkageToPretreatmentPerformanceReport	<LinkageToPretreatmentPerformanceReport> <> </LinkageToPretreatmentPerformanceReport>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to pretreatment performance elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				
LinkageToSingleEvent	<LinkageToSingleEvent> <> </LinkageToSingleEvent>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to single event elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				
LinkageToSSOAnnualReport	<LinkageToSSOAnnualReport> <> </LinkageToSSOAnnualReport>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to SSO annual report elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				
LinkageToSSOEventReport	<LinkageToSSOEventReport> <> </LinkageToSSOEventReport>	Yes if no other linkage e	Yes	The parent of linkage to SSO event report elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
		parent tags are present No for all others													
LinkageToSSOMonthlyEventReport	<LinkageToSSOMonthlyEventReport> <> </LinkageToSSOMonthlyEventReport>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to SSO monthly event report elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				
LinkageToSWEventReport	<LinkageToSWEventReport> <> </LinkageToSWEventReport>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to storm water event report elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				
LinkageToSWMS4Report	<LinkageToSWMS4Report> <> </LinkageToSWMS4Report>	Yes if no other linkage parent tags are present No for all others	Yes	The parent of linkage to storm water MS4 report elements					Compliance Monitoring Linkage	ComplianceMonitoringLinkageSubmission	ComplianceMonitoringLinkage				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
LinkedFacility	<LinkedFacility> <> </LinkedFacility>	Yes when adding a record No for all others	No	The parent of linked facility elements					Key Elements	BasicPermitSubmission, GeneralPermitSubmission, UnpermittedFacility	BasicPermit, GeneralPermit, UnpermittedFacility				
LiquidManureWastewaterGeneratedAmount	<LiquidManureWastewaterGeneratedAmount>48630</LiquidManureWastewaterGeneratedAmount>	No	No	Total amount of liquid manure generated annually by the CAFO facility in gallons.	xsd:integer	9	1	positive integer	CAFO	CAFOAnnualReportSubmission CAFOPermitSubmission CAFOInspectionSubmission	CAFOAnnualReport CAFOPermit CAFOInspection	Y			
LiquidManureWastewaterTransferAmount	<LiquidManureWastewaterTransferAmount>96435</LiquidManureWastewaterTransferAmount>	No	No	Total amount of liquid manure transferred annually by the CAFO facility in gallons.	xsd:integer	9	1	positive integer	CAFO	CAFOAnnualReportSubmission CAFOPermitSubmission CAFOInspectionSubmission	CAFOAnnualReport CAFOPermit CAFOInspection	Y			
LivestockCapacityDeterminationBasedUponNumber	<LivestockCapacityDeterminationBasedUponNumber>500</LivestockCapacityDeterminationBasedUponNumber>	No	No	The number of animals that the AFO/CAFO determination was based upon.	xsd:integer	9	1	positive integer	CAFO	CAFOInspectionSubmission CAFOPermitSubmission	CAFOInspection CAFOPermit				
LivestockMaximumCapacityNumber	<LivestockMaximumCapacityNumber>475</LivestockMaximumCapacityNumber>	No	No	The maximum number of animals that a CAFO facility is permitted to handle.	xsd:integer	9	1	positive integer	CAFO	CAFOInspectionSubmission CAFOPermitSubmission	CAFOInspection CAFOPermit				
LocalityName	<LocalityName>Bayside Township</LocalityName>	Yes for adding basic, GPCF permits and unpermitted facilities for adding basic, GPCF permits and unper	No	The name of the locality the facility is in.	xsd:string	60	1		Address	FacilitySubmission, BasicPermitSubmission, GeneralPermitSubmission, UnpermittedFacilitySubmission	FacilityLocation, Facility, UnpermittedFacility	Y	Yes	RCTY*	Locality_Name

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
		mitted faciliti es No for all others													
LocalLimits	\<LocalLimits\> \<\> \</LocalLimits\>	No	No	The parent of local limits elements					Local Limits Program Report	LocalLimitsProg ramReportSub mission, PretreatmentIns pectionSubmissi on, PretreatmentPe rformanceSum marySubmissio n	LocalLimitsPr ogramReport, PretreatmentI nspection, Pretreatment Performance Summary				
LocalLimitsPollu tantCode	\<LocalLimitsPollut antCode\>3512\</L ocalLimitsPollutant Code\>	No	Yes	The code that represents the pollutants used to derive the local limits at the headworks.	xsd:integ er	10	1	See ref_pollutant table for acceptable values	Local Limits Program Report	LocalLimitsProg ramReportSub mission PretreatmentIns pectionSubmissi on PretreatmentPe rformanceSum marySubmissio n	LocalLimits	Y			
LocalLimitsProgr amReport	\<LocalLimitsProgr amReport\> \<\> \</LocalLimitsProgr amReport\>	Yes	No	The parent of local limits program report elements					Local Limits Program Report	LocalLimitsProg ramReportSub mission	LocalLimitsPr ogramReport Data				
LocalLimitsProgr amReportData	\<LocalLimitsProgr amReportData\> \<\> \</LocalLimitsProgr amReportData\>	Yes	Yes	The parent of local limits program report data elements					ICIS	LocalLimitsProg ramReportSub mission	Payload		Yes		
LocationAddress Text	\<LocationAddress Text\>Corner of 1st and Main\</LocationAd dressText\>	Yes for adding basic, GPCF permit s and unper mitted faciliti es for adding	No	The first line of text describing the facility's location address.	xsd:strin g	50	1		Address	FacilitySubmissi on, BasicPermitSub mission, GeneralPermitS ubmission, UnpermittedFac ilitySubmission	FacilityLocati on, Facility, UnpermittedF acility	Y	Yes	RST1	Location_Address

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
		basic, GPCF permit s and unper mitted faciliti es No for all others													
LocationCountry Code	<LocationCountry Code>CA</Locati onCountryCode>	Yes	No	The code that represents the facility's Country location,	xsd:strin g	3	1	See ref_country table for acceptable values	Address	FacilitySubmissi on	FacilityLocati onAddress		Descripti on		
LocationName	<LocationName>A cme Industries Inc.</LocationNam e>	No	No	The name of the facility's location.	xsd:strin g	60	1		Common	EffluentTradePa rtnerSubmission	EffluentTrade PartnerAddre ss		Yes	PNAM+ PNM2	Facility_Site_Nam e
LocationProvinc e	<LocationProvince >Quebec</Locatio nProvince>	Yes	No	The name of the province where the efffuent trade partner is located.	xsd:strin g	35	1		Address	BasicPermitSub mission, GeneralPermitS ubmission, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n,	ContactAddre ss EffluentTrade PartnerAddre ss				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										SWMS4SmallP ermitSubmissio n, SWMS4Progra mReportSubmis sion, ComplianceMon itoringSubmissi on, EffluentTradePa rtnerSubmission					
LocationStateCo de	<LocationStateCo de>AK</LocationS tateCode>	Yes for adding basic, GPCF permit s and unper mitted faciliti es for adding basic, GPCF permit s and unper mitted faciliti es No for all others	No	The two character State postal code representing the facility's state location.	xsd:strin g	2	2	See ref_state table for acceptable values	Address	FacilitySubmissi on, BasicPermitSub mission, GeneralPermitS ubmission, UnpermittedFac ilitySubmission	FacilityLocati on, Facility, UnpermittedF acility	Y	Descripti on	RSTT	State_USPS_Cod e State
LocationZipCod e	<LocationZipCode >20092</Location ZipCode>	Yes for adding basic, GPCF permit s and unper mitted faciliti es for adding basic, GPCF permit	No	The postal zip code of the location. For US zip codes the zip code is entered as 99999-999.	xsd:strin g	14	1		Address	FacilitySubmissi on, BasicPermitSub mission, GeneralPermitS ubmission, UnpermittedFac ilitySubmission	FacilityLocati on, Facility, UnpermittedF acility	Y	Yes	RZIP	Location_Zip_Cod e

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
		s and unper mitted faciliti es No for all others													
LongitudeMeasu re	<LongitudeMeasur e>112.0666667</ LongitudeMeasure >	Yes	No	The measure of the longitude in decimal degrees. Either <PermittedFeature Identifier> or <CSOOverflowLoc ationStreet> or <LatitudeMeasure > + <LongitudeMeasur e> must be in the CSO XML submission files but not all at the same time. Either <SSOOverflowLoc ationStreet> or <LatitudeMeasure > + <LongitudeMeasur e> must be in the SSO XML submission files but not all at the same time.	xsd:strin g	11	11		Geographic Coordinates	FacilitySubmissi on, PermittedFeatur eSubmission CSOInspection Submission CSOEventRepo rtSubmission SSOEventRepo rtSubmission SSOInspection Submission	GeographicC oordinates CSOInspectio n CSOEventRe port SSOEventRe port SSOInspectio n	Y	Yes	FLON*, PLON*	Longitude_Measur e
MailingAddress CityName	<MailingAddressCi tyName>Washingt on</MailingAddres sCityName>	No	No	The name of the mailing address city.	xsd:strin g	30	1		Address	BasicPermitSub mission, GeneralPermitS ubmission, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWConstruction	ContactAddre ss EffluentTrade PartnerAddre ss	Y	Yes	SCTY, ACTY, MCTY, ECTY, OCTY, RCTY	Mailing_Address_ City_Name

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on EffluentTradePa rtnerSubmission					
MailingAddress CountryCode	<MailingAddressC ountryCode>US</ MailingAddressCo untryCode>	Yes	No	The code that represents the mailing address' country.	xsd:strin g	3	1	See ref_country table for acceptable values	Address	BasicPermitSub mission, GeneralPermitS ubmission, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n,	ContactAddre ss, EffluentTrade PartnerAddre ss		Descripti on		

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
										SWMS4SmallPermitSubmission, ComplianceMonitoringSubmission EffluentTradePartnerSubmission					
MailingAddressStateCode	<MailingAddressStateCode>AK</MailingAddressStateCode>	Yes	No	The two character State postal code representing the mailing address.	xsd:string	2	2	See ref_state table for acceptable values	Address	BasicPermitSubmission, GeneralPermitSubmission, BiosolidsPermitSubmission, CAFOInspectionSubmission, CAFOPermitSubmission, FacilitySubmission, PermittedFeatureSubmission, SWConstructionSubmission, SWIndustrialSubmission, SWEventReportSubmission, SWInspectionSubmission, SWMS4ProgramReportSubmission, SWMS4LargePermitSubmission, SWMS4SmallPermitSubmission, ComplianceMonitoringSubmission EffluentTradePartnerSubmission	ContactAddress EffluentTradePartnerAddress	Y	Description	SSTT, ASTT, MSTT, ESTT, OSTT, RSTT	State_USPS_Code State
MailingAddressText	<MailingAddressText>1200 Pennsylvania Avenue NE</MailingAddre	Yes for EffluentTradePartn	No	The first line of text describing the mailing address.	xsd:string	50	1		Address	BasicPermitSubmission, GeneralPermitSubmission, BiosolidsPermit	ContactAddress EffluentTradePartnerAddress	Y	Yes	SST1, AST1, MST1, EST1, OST1,	Mailing_Address

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
	ssText>	er No for all others								Submission, CAFOInspectionSubmission, CAFOPermitSubmission, FacilitySubmission, PermittedFeatureSubmission, SWConstructionSubmission, SWIndustrialSubmission, SWEventReportSubmission, SWInspectionSubmission, SWMS4ProgramReportSubmission, SWMS4LargePermitSubmission, SWMS4SmallPermitSubmission, ComplianceMonitoringSubmission EffluentTradePartnerSubmission				RST1	
MailingAddressZipCode	<MailingAddressZipCode>20240</MailingAddressZipCode>	No	No	The postal zip code of the mailing address. For US zip codes the zip code is entered as 99999-999.	xsd:string	14	1		Address	BasicPermitSubmission, GeneralPermitSubmission, BiosolidsPermitSubmission, CAFOInspectionSubmission, CAFOPermitSubmission, FacilitySubmission, PermittedFeatureSubmission, SWConstructionSubmission, SWIndustrialSubmission,	ContactAddress EffluentTradePartnerAddress	Y	Yes	SZIP, AZIP, MZIP, EZIP, OZIP, RZIP	Mailing_Address_Zip_Code

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
										SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on EffluentTradePa rtnerSubmission					
MajorMinorRatin gCode	<MajorMinorRatin gCode>3</MajorM inorRatingCode>	No	No	The rating of a facility assigned by the state and used in determining the major or minor status.	xsd:integ er	4	1	positive integer	Basic Permit	BasicPermitSub mission, GeneralPermitS ubmission	BasicPermit, GeneralPermi t	Y			
MajorOutfallEsti matedMeasureI ndicator	<MajorOutfallEsti matedMeasureIndi cator>Y</MajorOu tfallEstimatedMea sureIndicator>	No	No	Indicates if the number of major MS4 outfalls was estimated or measured.	xsd:strin g	1	1	E - Estimated M - Measured * - blank out field	SW	SWInspectionS ubmission SWMS4Progra mReportSubmis sion SWMS4LargeP ermitSubmissio n SWMS4SmallP ermitSubmissio n	SWMS4Inspe ction SWMS4Progr amReport SWMS4Large Permit SWMS4Small Permit				
MajorOutfallNu mber	<MajorOutfallNum ber>1200</Major OutfallNumber>	No	No	The number of major outfalls in the MS4 or watershed.	xsd:integ er	5	1	positive integer	SW	SWInspectionS ubmission SWMS4Progra mReportSubmis sion SWMS4LargeP ermitSubmissio n SWMS4SmallP ermitSubmissio n	SWMS4Inspe ction SWMS4Progr amReport SWMS4Large Permit SWMS4Small Permit				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
ManagedOtherMethodsAmount	<ManagedOtherMethodsAmount>245</ManagedOtherMethodsAmount>	No	No	The dry metric tons (DMT) of sewage sludge managed using methods not previously described.	xsd:integer	8	1	positive integer	Biosolids	BiosolidsPermitSubmission BiosolidsProgramReportSubmission	BiosolidsPermit BiosolidsProgramReport	Y			
ManagedOtherMethodsOutOfStateAmount	<ManagedOtherMethodsOutOfStateAmount>10</ManagedOtherMethodsOutOfStateAmount>	No	No	The dry metric tons (DMT) of sewage sludge managed out of State by methods other than beneficial use or disposal.	xsd:integer	8	1	positive integer	Biosolids	BiosolidsPermitSubmission BiosolidsProgramReportSubmission	BiosolidsPermit BiosolidsProgramReport				
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	DischargeMonitoringReportSubmission	SurfaceDisposalSite				
ManureLitterProcessedWastewaterStorage	<ManureLitterProcessedWastewaterStorage><></ManureLitterProcessedWastewaterStorage>	No	Yes	The parent of manure litter processed waste water storage elements					CAFO	CAFOInspectionSubmission, CAFOPermitSubmission	CAFOInspection, CAFOPermit				
ManureLitterProcessedWastewaterStorageType	<ManureLitterProcessedWastewaterStorageType>EVP</ManureLitterProcessedWastewaterStorageType>	Yes	No	A code that represents the type of manure litter storage used at the CAFO facility.	xsd:string	3	1	See ref_storage_type table for acceptable values	CAFO	CAFOInspectionSubmission, CAFOPermitSubmission	ManureLitterProcessedWastewaterStorage	Y			
MasterGeneralPermit	<MasterGeneralPermit><></MasterGeneralPermit>	Yes	No	The parent of master general permit elements					Master General Permit	MasterGeneralPermitSubmission	MasterGeneralPermitData				
MasterGeneralPermitContact	<MasterGeneralPermitContact><></MasterGeneralPermitContact>	Yes when adding No for all others	Yes	The parent of master general permit contact elements					Master General Permit	MasterGeneralPermitSubmission	MasterGeneralPermit				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
MasterGeneralPermitData	<MasterGeneralPermitData> <> </MasterGeneralPermitData>	Yes	Yes	The parent of master general permit data elements					ICIS	MasterGeneralPermitSubmission	Payload		Yes		
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	DischargeMonitoringReportSubmission	Incinerator	Y	Yes		
MiddleName	<MiddleName>Jane</MiddleName>	No	No	The middle name of the contact.	xsd:string	10	1		Contact	BasicPermitSubmission, GeneralPermitSubmission, MasterGeneralPermitSubmission, BiosolidsPermitSubmission, CAFOInspectionSubmission, CAFOPermitSubmission, FacilitySubmission, FormalEnforcementActionSubmission, InformalEnforcementActionSubmission, PermittedFeatureSubmission, PretreatmentPermit, SWConstructionSubmission, SWIndustrialSubmission, SWEventReportSubmission, SWInspectionSubmission, SWMS4ProgramReportSubmission,	Contact		Yes	COOR	Middle_Initial

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on					
MinorOutfallEsti matedMeasureI ndicator	<MinorOutfallEsti matedMeasureIndi cator>Y</MinorOu tfallEstimatedMea sureIndicator>	No	No	Indicates if the number of minor MS4 outfalls was estimated or measured.	xsd:strin g	1	1	E - Estimated M - Measured * - blank out field	SW	SWInspectionS ubmission SWMS4Progra mReportSubmis sion SWMS4LargeP ermitSubmissio n SWMS4SmallP ermitSubmissio n	SWMS4Inspe ction SWMS4Progr amReport SWMS4Large Permit SWMS4Small Permit				
MinorOutfallNu mber	<MinorOutfallNum ber>12</MinorOut fallNumber>	No	No	The number of minor outfalls in the MS4 or watershed.	xsd:integ er	5	1	positive integer	SW	SWInspectionS ubmission SWMS4Progra mReportSubmis sion SWMS4LargeP ermitSubmissio n SWMS4SmallP ermitSubmissio n	SWMS4Inspe ction SWMS4Progr amReport SWMS4Large Permit SWMS4Small Permit				
MonitoringExem ptionRationaleIn dicator	<MonitoringExemp tionRationaleIndic ator>A</Monitorin gExemptionRation aleIndicator>	No	No	The code that represents the rationale for monitoring that is exempt.	xsd:strin g	3	1	See ref_monitoring_exem ption table for acceptable values	SW Event Report	SWEventReport Submission	SWEventRep ort				
MonitoringPerio dEndDate	<MonitoringPeriod EndDate>2008- 12- 31</MonitoringPer iodEndDate>	Yes	No	The date monitoring of a pollutant discharge was completed.	xsd:date	10	10	ccyy-mm-dd	Key Elements	DischargeMonit oringReportSub mission DMRViolationS ubmission DMRProgramR eportLinkageSu bmission EnforcementAct ionViolationKey Submission	DischargeMo nitoringRepor t DMRViolation DMRProgram ReportLinkag e DischargeMo nitoringRepor tViolation	Y		MVDT	Monitoring_Period _End_Date

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
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	DischargeMonitoringReportSubmission DMRViolationSubmission EffluentTradePartnerSubmission EnforcementActionViolationKeySubmission LimitsSubmission	ReportParameter DMRViolation EffluentTradePartner DischargeMonitoringReportViolation Limits, LimitDates, ParameterLimits	Y	Description	MLOC	Monitoring_Location_Type_Code
MonthLimitApplies	<MonthLimitApplies>JAN</MonthLimitApplies>	Yes when adding a record No for all others	Yes, up to 12 times	The month a limit applies, allowing or preempting DMR printing and DMR non-receipt tracking during specific months or seasons. This tag may appear up to 12 times in the XML file (once for every month).	xsd:string	3	3	ALL JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC *	Limits	LimitsSubmission	Limits	Y		ALLS	Reporting_Indicators
MostRecentDateAdoptionTechnicallyBasedLocalLimits	<MostRecentDateAdoptionTechnicallyBasedLocalLimits>2003-12-31</MostRecentDateAdoptionTechnicallyBasedLocalLimits>	No	No	The date the Pretreatment Control Authority adopted local limits for certain pollutants if a technical evaluation indicated the need for such local limits.	xsd:date	10	10	ccyy-mm-dd	Local Limits Program Report	LocalLimitsProgramReportSubmission PretreatmentInspectionSubmission PretreatmentPerformanceSummarySubmission	LocalLimits	Y		ADLL	Adoption_of_Technically-based_Local_Limits_Code
MostRecentDateRemovalCreditsApproval	<MostRecentDateRemovalCreditsApproval>2003-12-31</MostRecentDateRemovalCreditsApproval>	No	No	The most recent date the application for removal credits was approved.	xsd:date	10	10	ccyy-mm-dd	Local Limits Program Report	LocalLimitsProgramReportSubmission, PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	LocalLimits RemovalCredits	Y		RCRD	Removal_Credits_Approval_Date

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
MostRecentDate TechnicalEvalFo rLocalLimits	<MostRecentDate TechnicalEvalForL ocalLimits>2003-12-31</MostRecentD ateTechnicalEvalF orLocalLimits>	No	No	The most recent date the Pretreatment Control Authority has technically evaluated the need for local limits for any pollutants required by the Pretreatment Appoval Authority.	xsd:date	10	10	ccyy-mm-dd	Local Limits Program Report	LocalLimitsProg ramReportSub mission PretreatmentIns pectionSubmissi on PretreatmentPe rformanceSum marySubmissio n	LocalLimits	Y		EVLL	Technical_Evaluati on_for_Local_Limi ts_Code
MS4AcreageCo veredNumber	<MS4AcreageCov eredNumber>458 </MS4AcreageCo veredNumber>	No	No	The acreage in square miles covered by the permit for the MS4 or watershed.	xsd:integ er	8	1	positive integer	SW	SWMS4LargeP ermitSubmissio n SWMS4SmallP ermitSubmissio n	SWMS4Large Permit SWMS4Small Permit				
MS4AnnualExpe nditureDollars	<MS4AnnualExpe nditureDollars>34 600</MS4AnnualE xpenditureDollars>	No	No	The dollar amount of expenses for the year for the MS4.	xsd:integ er	10	1	positive integer	SW	SWInspectionS ubmission SWMS4LargeP ermitSubmissio n SWMS4Progra mReportSubmis sion SWMS4SmallP ermitSubmissio n	SWMS4Inspe ction SWMS4Large Permit SWMS4Progr amReport SWMS4Small Permit				
MS4AnnualExpe nditureYear	<MS4AnnualExpe nditureYear>2007 </MS4AnnualExpe nditureYear>	No	No	The year associated with the MS4 annual expenditure.	xsd:integ er	4	4	1970-2099	SW	SWInspectionS ubmission SWMS4LargeP ermitSubmissio n SWMS4Progra mReportSubmis sion SWMS4SmallP ermitSubmissio n	SWMS4Inspe ction SWMS4Large Permit SWMS4Progr amReport SWMS4Small Permit				
MS4BudgetDoll ars	<MS4BudgetDolla rs>47000</MS4Bu dgetDollars>	No	No	The dollar amount of the budget of MS4 dollars for the next year.	xsd:integ er	10	1	positive integer	SW	SWInspectionS ubmission SWMS4LargeP ermitSubmissio n SWMS4Progra mReportSubmis sion SWMS4SmallP	SWMS4Inspe ction SWMS4Large Permit SWMS4Progr amReport SWMS4Small Permit				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										ermitSubmissio n					
MS4BudgetYear	<MS4BudgetYear >2007</MS4Budg etYear>	No	No	The year associated with the MS4 budget.	xsd:integ er	4	4	1970-2099	SW	SWInspectionS ubmission SWMS4LargeP ermitSubmissio n SWMS4Progra mReportSubmis sion SWMS4SmallP ermitSubmissio n	SWMS4Inspe ction SWMS4Large Permit SWMS4Progr amReport SWMS4Small Permit				
MS4PermitClass Code	<MS4PermitClass Code>LCM</MS4 PermitClassCode>	No	No	The identification of the regulatory basis for the MS4 permit.	xsd:strin g	3	1	See ref_ms4_perm_class table for acceptable values	SW	SWMS4LargeP ermitSubmissio n SWMS4SmallP ermitSubmissio n	SWMS4Large Permit SWMS4Small Permit	Y			
MS4PopulationS ervedNumber	<MS4PopulationS ervedNumber>489 800</MS4Populati onServedNumber >	No	No	The estimated population served within the MS4 or watershed covered area.	xsd:integ er	8	1	positive integer	SW	SWMS4LargeP ermitSubmissio n SWMS4SmallP ermitSubmissio n	SWMS4Large Permit SWMS4Small Permit				
MS4TypeCode	<MS4TypeCode> PRK</MS4TypeC ode>	No	No	Indicates whether the permittee is a municipal MS4 or the type of non-traditional MS4.	xsd:strin g	3	1	See ref_ms4_type table for acceptable values	SW	SWMS4LargeP ermitSubmissio n SWMS4SmallP ermitSubmissio n	SWMS4Large Permit SWMS4Small Permit				
MultimediaIndic ator	<MultimediaIndicat or>N</Multimedia ndicator>	No	No	The indicator that represents whether the compliance monitoring activity covered more than one media (air, water, and/or waste).	xsd:strin g	1	1	Y N	ComplianceMonito ring	ComplianceMon itoringSubmissi on	ComplianceM onitoring				
NAICSCode	<NAICSCode>562 111</NAICSCode >	Yes	No	The North American Industry Classification System (NAICS) code for the	xsd:integ er	6	6	See ref_NAICS table for acceptable values	SIC NAICS	BasicPermitSub mission, MasterGeneralP ermitSubmissio n,	NAICSCodeD etails	Y	Descripti on		

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				facility.						GeneralPermitS ubmission, FacilitySubmissi on					
NAICSCodeDet ails	<NAICSCodeDetai ls> <> </NAICSCodeDet ails>	No	Yes	The parent of NAICS code detail elements					SIC NAICS	BasicPermitSub mission, FacilitySubmissi on, GeneralPermitS ubmission,Mast erGeneralPermi tSubmission	BasicPermit, Facility, GeneralPermi t, MasterGener alPermit				
NAICSPrimaryIn dicatorCode	<NAICSPrimaryIn dicatorCode>Y</N AICSPrimaryIndic atorCode>	Yes	No	Indicates if the NAICS code represents the primary industry at the facility.	xsd:strin g	1	1	Y N *	SIC NAICS	BasicPermitSub mission, MasterGeneralP ermitSubmissio n, GeneralPermitS ubmission, FacilitySubmissi on	NAICSCodeD etails		Descripti on		
name	<name>e- mail</name>	Yes if the Proper ty parent tag is prese nt	No	The name indicating what CDX or ICIS Batch activity to perform. If <name> is set to "e-mail" then CDX will send e-mails to the e-mail address specified in the <value> tag. If <name> is set to "Source" ICIS Batch tracks whether the file is from NetDMR or a state e-DMR system.	xsd:strin g	13	13	e-mail Source	Header	All XMLs	Property				
NameOfReceivi ngWater	<NameOfReceivin gWater>Colorado River</NameOfRe ceivingWater>	No	No	The name of the water receiving the SSO overflow volume.	xsd:strin g	1000	1		SSO	SSOEventRepo rtSubmission SSOInspection Submission	SSOEventRe port SSOInspectio n				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
NarrativeCondition	<NarrativeCondition> <> </NarrativeCondition>	Yes	No	The parent of narrative condition elements					Narrative Condition	NarrativeConditionSubmission	NarrativeConditionData				
NarrativeConditionCode	<NarrativeConditionCode>LLR</NarrativeConditionCode>	No	No	Code that describes the type of narrative condition (additional monitoring, BMP, monitoring study, etc.) that covers base and special regulatory programs.	xsd:string	3	1	See ref_narrative_condition table for acceptable values	Narrative Condition	NarrativeConditionSubmission PermitScheduleSubmission	NarrativeCondition PermitSchedule	Y			
NarrativeConditionComments	<NarrativeConditionComments>Required for this permit only</NarrativeConditionComments>	No	No	A free-form text field for comments that apply to the narrative condition.	xsd:string	4000	1		Narrative Condition	NarrativeConditionSubmission	NarrativeCondition				
NarrativeConditionData	<NarrativeConditionData> <> </NarrativeConditionData>	Yes	Yes	The parent of narrative condition data elements					ICIS	NarrativeConditionSubmission	Payload		Yes		
NarrativeConditionNumber	<NarrativeConditionNumber>07</NarrativeConditionNumber>	Yes	No	Two digit number that uniquely identifies a narrative condition for a permittee or facility.	xsd:integer	2	2	01 to 99	Key Elements	NarrativeConditionSubmission PermitScheduleSubmission ScheduleEventViolationSubmission, EnforcementActionViolationKeySubmission	NarrativeCondition PermitSchedule PermitScheduleEventViolationKeyElements PermitScheduleViolation	Y		DSCD+CSCH*	Compliance_Schedule_Number
NationalPrioritiesCode	<NationalPrioritiesCode>78</NationalPrioritiesCode>	No	No	The code that represents the national priority or priorities governing the compliance monitoring activity.	xsd:string	3	1	See ref_priority table for acceptable values	ComplianceMonitoring	ComplianceMonitoringSubmission	ComplianceMonitoring				
NewSourceIndicator	<NewSourceIndicator>N</NewSourceIndicator>	No	No	Indicates if the permit has a new source of discharge since the last issuance	xsd:string	1	1	Y N *	Permit	BasicPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit			NEWS	New_Source_New_Discharge_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	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				of the permit.											
NMPDeveloped CertifiedPlanner ApprovedIndicat or	<NMPDevelopedC ertifiedPlannerApp rovedIndicator>Y< /NMPDevelopedC ertifiedPlannerApp rovedIndicator>	No	No	Indicates if the CAFO facility has a nutrient management plan developed or approved by a certified planner.	xsd:strin g	1	1	Y N *	CAFO	CAFOAnnualRe portSubmission CAFOPermitSu bmission CAFOInspectio nSubmission	CAFOAnnual Report CAFOPermit CAFOInspecti on	Y			
NMPDeveloped Date	<NMPDevelopedD ate>2001-12-31</NMPDevelop edDate>	No	No	The date the NMP was developed.	xsd:date	10	10	ccyy-mm-dd	CAFO	CAFOInspectio nSubmission CAFOPermitSu bmission	CAFOInspecti on CAFOPermit	Y			
NMPLastUpdate dDate	<NMPLastUpdate dDate>2006-12-31</NMPLastUpd atedDate>	No	No	The date the NMP was last updated.	xsd:date	10	10	ccyy-mm-dd	CAFO	CAFOInspectio nSubmission CAFOPermitSu bmission	CAFOInspecti on CAFOPermit	Y			
NoExposureAut horizationDate	<NoExposureAuth orizationDate>200 5-01-30</NoExposureA uthorizationDate>	No	No	The date a no exposure waiver was authorized.	xsd:date	10	10	ccyy-mm-dd	Common	SWInspectionS ubmission SWIndustrialPer mitSubmission	StormWaterC onstructionIn dustrialInspec tion GPCFNoExp osure	Y			
NoExposureCrit eriaMetIndicator	<NoExposureCrite riaMetIndicator>Y </NoExposureCrit eriaMetIndicator>	No	No	Indicatoes whether the no exposure criteria was met in the certification.	xsd:strin g	1	1	Y N *	SW Industrial Permit	SWIndustrialPer nitSubmission	GPCFNoExp osure				
NoExposureEval uationBasisCod e	<NoExposureEval uationBasisCode> ONS</NoExposur eEvaluationBasis Code.	No	No	The code that represents the reason the facility was granted a Exposure Waiver.	xsd:strin g	3	1	See ref_no_expo_eval_b asis table for acceptable values	SW Industrial Permit	SWIndustrialPer nitSubmission	GPCFNoExp osure				
NoExposureEval uationDate	<NoExposureEval uationDate>2005-01-31</NoExposureE valuationDate>	No	No	The date the facility was evaluated for a No Exposure Waiver.	xsd:date	10	10	ccyy-mm-dd	SW Industrial Permit	SWIndustrialPer nitSubmission	GPCFNoExp osure				
NoExposurePos tmarkDate	<NoExposurePost markDate>2005-01-31</NoExposrePo stmarkDate>	No	No	The date the No Exposure Certification was postmarked.	xsd:date	10	10	ccyy-mm-dd	SW Industrial Permit	SWIndustrialPer nitSubmission	GPCFNoExp osure				

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Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
NOIPostmarkDa te	<NOIPostmarkDat e>2001-01-30</NOIPostmark Date>	No	No	The date the Notice of Intent was postmarked.	xsd:date	10	10	ccyy-mm-dd	SW	SWConstruction PermitSubmissi on SWIndustrialPer mitSubmission	GPCFNotice OfIntent				
NOIReceivedDa te	<NOIReceivedDat e>2001-01-30</NOIReceived Date>	No	No	The date the Notice of Intent was received by the permitting authority.	xsd:date	10	10	ccyy-mm-dd	SW	SWConstruction PermitSubmissi on SWIndustrialPer mitSubmission	GPCFNotice OfIntent				
NOISignatureDa te	<NOISignatureDat e>2001-01-30</NOISignature Date>	No	No	The date the Notice of Intent was signed.	xsd:date	10	10	ccyy-mm-dd	SW	SWConstruction PermitSubmissi on SWIndustrialPer mitSubmission	GPCFNotice OfIntent				
NOTPostmarkD ate	<NOTPostmarkDa te>2001-01-30</NOTPostmark Date>	No	No	The date the Notice of Termination was postmarked.	xsd:date	10	10	ccyy-mm-dd	SW	SWConstruction PermitSubmissi on SWIndustrialPer mitSubmission	GPCFNotice OfTerminatio n				
NOTReceivedD ate	<NOTReceivedDa te>2001-01-30</NOTReceived Date>	No	No	The date the Notice of Termination was received.	xsd:date	10	10	ccyy-mm-dd	SW	SWConstruction PermitSubmissi on SWIndustrialPer mitSubmission	GPCFNotice OfTerminatio n				
NOTSignatureD ate	<NOTSignatureDa te>2001-01-30</NOTSignature Date>	No	No	The date the Notice of Termination was signed.	xsd:date	10	10	ccyy-mm-dd	SW	SWConstruction PermitSubmissi on SWIndustrialPer mitSubmission	GPCFNotice OfTerminatio n				
NOTTermination Date	<NOTTermination Date>2005-12-31</NOTTerminati onDate>	No	No	The date the facility's coverage was terminated.	xsd:date	10	10	ccyy-mm-dd	SW	SWConstruction PermitSubmissi on SWIndustrialPer mitSubmission	GPCFNotice OfTerminatio n	Y			
NPDESClosedD ate	<NPDESClosedD ate>2005-12-31</NPDESClose dDate>	No	No	The date the enforcement action was closed according as recognized by the NPDES program.	xsd:date	10	10	ccyy-mm-dd	Formal Enforcement Action	FormalEnforce mentActionSub mission	FormalEnforc ementAction				
NumberAcresCo ntributingDraina ge	<NumberAcresCo ntributingDrainage >365</NumberAcr esContributingDrai nage>	No	No	The number of acres of land contributing to the drainage.	xsd:integ er	5	1	positive integer	CAFO	CAFOInspectio nSubmission CAFOPermitSu bmission	CAFOInspecti on CAFOPermit	Y			

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
NumberDaysPhysicallyConductingActivity	<NumberDaysPhysicallyConductingActivity>5</NumberDaysPhysicallyConductingActivity>	No	No	The number of days spent physically conducting the monitoring activity.	xsd:integer	10	1	positive integer	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring				
NumberHoursPhysicallyConductingActivity	<NumberHoursPhysicallyConductingActivity>40</NumberHoursPhysicallyConductingActivity>	No	No	The number of hours spent physically conducting the monitoring activity.	xsd:integer	10	1	positive integer	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring			PRHR+INHR+POHR	In-Processing_Hours Post-Processing_Hours Pre-Processing_Hours
NumberOfCIUs	<NumberOfCIUs>764</NumberOfCIUs>	No	No	The total number of Categorical Industrial Users. This number cannot be greater than the number in the NumberOfSIUs.	xsd:integer	4	1	positive integer	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection	Y		CIUS	Categorical_Industrial_Users
NumberOfReportUnits	<NumberOfReportUnits>06</NumberOfReportUnits>	Yes when adding BiosoldsProgramReport No for all others	No	The number of the times of reporting frequency.	xsd:integer	2	2	01 - 12	Biosolids Program Report	BiosolidsProgramReportSubmission	BiosolidsProgramReport	Y			
NumberOfSIUs	<NumberOfSIUs>976</NumberOfSIUs>	No	No	The total number of Significant Industrial Users.	xsd:integer	4	1	positive integer	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection	Y		SIUS	Significant_Industrial_Users
NumberSSOEventsPerYear	<NumberSSOEventsPerYear>3395</NumberSSOEventsPerYear>	No	No	The number of SSO events that occurred at the facility for the year.	xsd:integer	5	1	positive integer	SSO Annual Report	SSOAnnualReportSubmission	SSOAnnualReport				
NumberSSOEventsReachUSWatersPerMonth	<NumberSSOEventsReachUSWatersPerMonth>46</NumberSSOEventsReachUSWatersPerMonth>	No	No	The number of SSO events from the facility that reach US waters each month.	xsd:integer	4	1	positive integer	SSO Monthly Event Report	SSOMonthlyEventReportSubmission	SSOMonthlyEventReport				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
NumberSubmiss ionUnitsInteger	<NumberSubmiss ionUnitsInteger>06 </NumberSubmiss ionUnitsInteger>	Yes	No	The number of times monitoring results will be reported by a permittee to the regulatory authority for the limit set. This tag may appear more than once in the XML file under the <UnscheduledLimi tSet> parent tag only. This tag can appear only once under the <ScheduledLimitS et> parent tag.	xsd:integ er	2	2	01 - Each Month 03 - Each Quarter 06 - Semiannual 12 - Once per year 60 - Once per 5 years	Limit Set	LimitSetSubmis sion	LimitSetSche dule	Y		NSUS	Number_of_Month s_in_Submission_ Period_EPA Number_of_Month s_in_Submission_ Period_State
NumberUnitsRe portPeriodIntege r	<NumberUnitsRep ortPeriodInteger>1 2</NumberUnitsR eportPeriodInteger >	Yes	No	The number of monitoring reports expected throughout the permit for the limit set.	xsd:integ er	2	2	01 - Twelve times per year (Monthly) 03 - Four times per year (Quarterly) 06 - Twice per year (Semi-Annually) 12 - Once per year (Annually) 60 - One per 5 years	Limit Set	LimitSetSubmis sion	LimitSetSche dule, Unscheduled LimitSet	Y		NRPU*	Number_of_Month s_in_Reporting_P eriod
NumericConditio n	<NumericConditio n> <> </NumericConditio n>	No	Up to 5 times	The parent of limts elements					Limits	LimitsSubmissio n	Limits				
NumericConditio nAdjustedQuanti ty	<NumericConditio nAdjustedQuantity >25.001</Numeric ConditionAdjusted Quantity>	No	No	The actual value measured plus or minus the effluent trading value.	xsd:integ er	8	1	positive integer with floating decimal	Discharge Monitoring Report	DischargeMonit oringReportSub mission	NumericRepo rt				
NumericConditio nOptionalMonito ringIndicator	<NumericConditio nOptionalMonitori ngIndicator>Y</Nu mericConditionOpt ionalMonitoringInd icator>	No	No	Indicates if monitoring is optional for a quantity or concentration of the parameter and limit set. If set to Y, DMR Non- receipt violations cannot be assigned to the quantity or	xsd:strin g	1	1	Y N *	Limits	LimitsSubmissio n	NumericCond ition	Y		LCMN*, LCMX*, LCAV*, LQMX*, LQAV*	

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				concentration.											
NumericConditionQualifier	<NumericConditionQualifier>&gt=</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	DischargeMonitoringReportSubmission LimitsSubmission	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	DischargeMonitoringReportSubmission LimitsSubmission	NumericReport NumericCondition	Y	Yes	LCMN, LCMX, LCAV, LQMX, LQAV, MCMN, MCMX, MCAV, MQAV, MQMX	Value
NumericConditionStatisticalBaseCode	<NumericConditionStatisticalBaseCode>AF</NumericConditionStatisticalBaseCode>	Yes when adding a Limit No for all others	No	The statistical basis for determining the limit.	xsd:string	3	1	See ref_statistical_base table for acceptable values	Limits	LimitsSubmission	NumericCondition	Y	Description	LCXS, LCNS, LCMS, LQAS, LQXS	Statistical_Base_Code
NumericConditionStayValue	<NumericConditionStayValue>473.7</NumericConditionStayValue>	No	No	The value of the limit to be stayed.	xsd:integer	8	1	positive integer with floating decimal	Limits	LimitsSubmission	NumericCondition	Y			
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	Limits	LimitsSubmission	NumericCondition	Y			Value_Type

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
NumericConditio nUnitMeasureC ode	<NumericConditio nUnitMeasureCod e>01</NumericCo nditionUnitMeasur eCode>	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:strin g	2	1	See ref_unit table for acceptable values	Limits	LimitsSubmissio n	NumericCond ition	Y	Descripti on	LQUC, LCUC	Unit_Code
NumericReport	<NumericReport> <> </NumericReport>	No	Up to 5 times	The parent of numeric report elements					Discharge Monitoring Report	DischargeMonit oringReportSub mission	ReportParam eter				
NumericReportC ode	<NumericReportC ode>Q1</Numeric ReportCode>	Yes	No	The code that identifies whether the measured value is for one of two available quantities or three available concentrations.	xsd:strin g	2	2	See ref_value_type table for acceptable values	Key Elements	DischargeMonit oringReportSub mission DMRViolationS ubmission EnforcementAct ionViolationKey Submission	NumericRepo rt DMRViolation DischargeMo nitoringRepor tViolation	Y			Value_Type
NumericReportN oDischargeIndic ator	<NumericReportN oDischargeIndicat or>K</NumericRe portNoDischargeIn dicator>	No	No	The code that represents why a discharge is not being reported on a DMR for the parameter and limit set.	xsd:strin g	3	1	See ref_nodi table for acceptable values	Discharge Monitoring Report	DischargeMonit oringReportSub mission	NumericRepo rt	Y		NODI	No_Data_Indicator _Code
NumericReportR eceivedDate	<NumericReportR eceivedDate>2005 -12- 31</NumericRepo rtReceivedDate>	No	No	The date the DMR was received by the regulatory authority.	xsd:date	10	10	ccyy-mm-dd	Discharge Monitoring Report	DischargeMonit oringReportSub mission	NumericRepo rt	Y		DMRR	Report_Received_ Date
NumericReportV iolationCode	<NumericReportVi olationCode>E90< /NumericReportVi olationCode>	Yes	No	The code that represents the DMR non-receipt or effluent violation.	xsd:strin g	5	1	See ref_violation table for acceptable values	Common	DMRViolationS ubmission EnforcementAct ionViolationKey Submission	DMRViolation DischargeMo nitoringRepor tViolation	Y		MVIO	Violation_Comme nts
OpenConfinem entCount	<OpenConfineme ntCount>50</Ope nConfinementCou nt>	No	No	The number animals, by type, in open confinement that are held at the CAFO facility for a total of 45 days or more in one 12- month period.	xsd:integ er	9	1	positive integer	CAFO	CAFOInspectio nSubmission, CAFOPermitSu bmission	AnimalType				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
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	All XMLs	Header				Schema_Version
OrganizationDUNSNumber	<OrganizationDUNSNumber>001147495</OrganizationDUNSNumber>	No	No	The Dunn and Bradstreet number for the organization of interest. The dashes between the digits in DUNS numbers is not entered into this field.	xsd:string	9	9		Common	BasicPermitSubmission, GeneralPermitSubmission, BiosolidsPermitSubmission, CAFOInspectionSubmission, CAFOPermitSubmission, FacilitySubmission, PermittedFeatureSubmission, SWConstructionSubmission, SWIndustrialSubmission, SWEventReportSubmission, SWInspectionSubmission, SWMS4ProgramReportSubmission, SWMS4LargePermitSubmission, SWMS4SmallPermitSubmission, ComplianceMonitoringSubmission, BasicPermitSubmission, GeneralPermitSubmission, ComplianceMonitoringSubmission EffluentTradePa	ContactAddress FacilityLocationAddress EffluentTradePartnerAddress		Yes		

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
										rtner					
OrganizationFormalName	<OrganizationFormalName>Acme Products Inc.</OrganizationFormalName>	Yes for EffluentTradePartner No for all others	No	The name of the organization of interest.	xsd:string	80	1		Common	BasicPermitSubmission, GeneralPermitSubmission, MasterGeneralPermitSubmission, BiosolidsPermitSubmission, CAFOInspectionSubmission, CAFOPermitSubmission, ComplianceMonitoringSubmission, FacilitySubmission, PermittedFeatureSubmission, SWConstructionSubmission, SWIndustrialSubmission, SWEventReportSubmission, SWInspectionSubmission, SWMS4ProgramReportSubmission, SWMS4LargePermitSubmission, SWMS4SmallPermitSubmission, ComplianceMonitoringSubmission, PretreatmentPermitSubmission EffluentTradePartnerSubmission	Contact, ContactAddress EffluentTradePartnerAddress	Y	Yes	SNAM, ANAM, MNA, ENAM, ONAM, NAM1	Organization_Formal_Name

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
OriginatingProgramsCode	<OriginatingProgramsCode>CWAS</OriginatingProgramsCode>	No	Yes	The code that represents the originating program.	xsd:string	9	1	See ref_program table for acceptable values	Facility	FacilitySubmission	Facility				
OtherAnimalTypeName	<OtherAnimalTypeName>Llamas</OtherAnimalTypeName>	Yes when AnimalTypeCode represents "Other" No for all others	No	Description of the animal for AnimalTypeName = "Other".	xsd:string	50	1		CAFO	CAFOAnnualReportSubmission, CAFOInspectionSubmission, CAFOPermitSubmission	ReportedAnimalType AnimalType	Y			
OtherComments	<OtherComments>Special use</OtherComments>	No	No	Free form text filed containing comments pertaining to the final order.	xsd:string	4000	1		Formal Enforcement Action	FormalEnforcementActionSubmission	FinalOrder				
OtherContainmentTypeName	<OtherContainmentTypeName>Compost Pile</OtherContainmentTypeName>	Yes when ContainmentTypeCode represents "Other" No for all others	No	Description of containment type for ContainmentTypeName = "Other"	xsd:string	50	1		CAFO	CAFOInspectionSubmission CAFOPermitSubmission	Containment	Y			
OtherLandApplicationBMPTypeName	<OtherLandApplicationBMPTypeName>Conservation Tillage</OtherLandApplicationBMPTypeName>	Yes when LandApplicationBMPTypeCode represents "Other" No for all others	No	Description of conservation practices the facility implements to control runoff and protect water qualify when for LandApplicationBMPType = "Other"	xsd:string	50	1		CAFO	CAFOInspectionSubmission, CAFOPermitSubmission	LandApplicationBMP				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
OtherOrganizati onName	<OtherOrganizatio nName>Departme nt of Health</OtherOrg anizationName>	No	No	The name of the organization issuing the other permit identifier	xsd:strin g	80	1		Permit	BasicPermitSub mission MasterGeneralP ermitSubmissio n GeneralPermitS ubmission	OtherPermits		Yes		
OtherPermitIden tifier	<OtherPermitIdent ifier>UU0001378< /OtherPermitIdenti fier>	Yes	No	Other NPDES or non-NPDES identifiers used to identify the permit or related to this permit.	xsd:strin g	30	1		Permit	BasicPermitSub mission MasterGeneralP ermitSubmissio n GeneralPermitS ubmission	OtherPermits		Yes	STNO	Biosolids_Related _Permit_Number State_Permit_Nu mber
OtherPermitIden tifierContextNam e	<OtherPermitIdent ifierContextName> Well permit</OtherPer mitIdentifierContex tName>	No	No	The type of NPDES or non-NPDES permit the other permit identifier belongs to.	xsd:strin g	100	1		Permit	BasicPermitSub mission MasterGeneralP ermitSubmissio n GeneralPermitS ubmission	OtherPermits				
OtherPermits	<OtherPermits> <> </OtherPermits>	No	Yes	The parent of other permit eleme nts					Permit	BasicPermitSub mission, GeneralPermitS ubmission, MasterGeneralP ermitSubmissio n	BasicPermit, GeneralPermi t, MasterGener alPermit				
OtherStepsToR educePreventMi tigate	<OtherStepsToRe ducePreventMitiga te>Implementation of a Best Management Practice</OtherSt epsToReducePrev entMitigate>	Yes when Steps ToRed ucePr event Mitigat e repres ents "Other " No for all others	No	Description of other steps taken to reduce, prevent or mitigate the SSO event.	xsd:strin g	50	1		SSO	SSOEventRepo rtSubmission, SSOInspection Submission	SSOSteps				
OtherStorageTy peName	<OtherStorageTyp eName>Open storage shed</OtherStora geTypeName>	Yes when Manur eLitter Proce ssed	No	The name of the manure litter storage structure for StorageType = "Other"	xsd:strin g	50	1		CAFO	CAFOInspectio nSubmission, CAFOPermitSu bmission	ManureLitter ProcessedWa stewaterStora ge	Y			

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
		Waste water StorageTypeCode represents "Other" No for all others													
OtherSystemComponent	<OtherSystemComponent>Additional storage lagoon</OtherSystemComponent>	Yes when SystemComponent represents "Other" No for all others	No	Description of the system components of the collection system from which the spill occurred.	xsd:string	50	1		SSO	SSOEventReportSubmission, SSOInspectionSubmission	SSOsystemComponent				
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	DischargeMonitoringReportSubmission	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	DischargeMonitoringReportSubmission DMRViolationSubmission EffluentTradePartnerSubmission EnforcementActionViolationKeySubmission LimitsSubmission	ReportParameter DMRViolation EffluentTradePartner DischargeMonitoringReportViolation Limits, LimitDates, ParameterLimits	Y		PRAM, VPRM	Parameter_Code
ParameterLimits	<ParameterLimits> <> </ParameterLimits>	Yes if deleting and the limits or limit dates	No	The parent of parameter limits elements					Limits	LimitsSubmission	LimitsData				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
		parent elements are not present													
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	DischargeMonitoringReportSubmission	CoDisposalSite				
PassThroughInterferenceIndicator	<PassThroughInterferenceIndicator>Y</PassThroughInterferenceIndicator>	No	No	Indicates if there have been incidents of pass-through or interference at the POTW in the past year.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection	Y		PASS	Pass-through_Incident_Flag
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	DischargeMonitoringReportSubmission	LandApplicationSite, SurfaceDisposalSite	Y			
PavedRoofSize	<PavedRoofSize>2500</PavedRoofSize>	No	No	The area in square meters of the paved roof or impervious structure that qualifies for no exposure.	xsd:integer	8	1	positive integer	SW Industrial Permit	SWIndustrialPermitSubmission	GPCFNoExposure				
Payload	<Payload Operation="ScheduleEventViolationSubmission">	Yes	No	Indicates the type of submission in the Operation attribute.	N/A	N/A	N/A	BasicPermitSubmission BiosolidsPermitSubmission BiosolidsProgramReportSubmission CAFOAnnualReportSubmission CAFOInspectionSubmission CAFOPermitSubmission ComplianceMonitoringLinkageSubmission ComplianceMonitoringSubmission ComplianceSchedul	Header	All XMLs	Document				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
								eSubmission CSOEventReportSu bmission CSOInspectionSubm ission CSOPermitSubmissi on DischargeMonitoring ReportSubmission DMRViolationSubmi ssion EffluentTradePartner Submission EnforcementActionVi olationKeySubmissio n FacilitySubmission FormalEnforcement ActionSubmission GeneralPermitSubmi ssion InformalEnforcement ActionSubmission LimitSetSubmission LimitsSubmission LocalLimitsProgram ReportSubmission MasterGeneralPermi tSubmission NarrativeConditionS ubmission PermitReissuanceSu bmission PermitScheduleSub mission PermittedFeatureSu bmission PermitTrackingEvent Submission PretreatmentInspecti onSubmission PretreatmentPermitS ubmission PretreatmentProgra mSummarySubmissi on ScheduleEventViolat ionSubmission SingleEventViolation							

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
								Submission SSOAnnualReportS ubmission SSOEventReportSu bmission SSOInspectionSubm ission SSOMonthlyEventR eportSubmission SSOPermitSubmissi on SubActivitySubmissi on SWConstructionPer mitSubmission SWEventReportSub mission SWIndustrialPermitS ubmission SWInspectionSubmi ssion SWMS4LargePermit Submission SWMS4ProgramRep ortSubmission SWMS4SmallPermit Submission						
Payload	<Payload Operation="BasicPe rmitSubmission"> <> </Payload>	Yes	Yes	The element used to identify ICIS data families to be processed. The payload attribute cannot be repeated for one data family, and if more than one payload element is used in the XML the data families their attributes must be in the following order within the XML from the top of the file to the bottom: BasicPermitData, BiosolidsPermitDa ta, BiosolidsProgram					ICIS	All XMLs	Document		Yes		

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				ReportData, CAFOAnnualReportData, CAFOInspectionData, CAFOPermitData, ComplianceMonitoringLinkageData, ComplianceMonitoringData, ComplianceScheduleData, CSOEventReportData, CSOInspectionData, CSOPermitData, DischargeMonitoringReportData, DMRViolationData, DMRProgramReportLinkageData, EffluentTradePartnerData, EnforcementActionViolationKeyData, FacilityData, FormalEnforcementActionData, GeneralPermitData, InformalEnforcementActionData, LimitSetData, LimitsData, LocalLimitsProgramReportData, MasterGeneralPermitData, NarrativeConditionData, PermitScheduleData, PermittedFeatureData, PermitTrackingEventData, PretreatmentInspe											

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Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				ctionData, PretreatmentPerm itData, PretreatmentPerfo rmanceSummaryD ata, ScheduleEventVio lationData, SingleEventViolati onData, SSOAnnualReport Data, SSOEventReport Data, SSOInspectionDat a, SSOMonthlyEvent ReportData, POTWPermitData, SubActivityData, SWConstructionP ermitData, SWEventReportD ata, SWIndustrialPermi tData, SWInspectionData , SWMS4LargePer mitData, SWMS4ProgramR eportData, SWMS4SmallPer mitData, UnpermittedFacilit yData												
PermitAppealedI ndicator	<PermitAppealedI ndicator>Y</Permi tAppealedIndicator >	No	No	Indicates if a permit is currently under appeal.	xsd:strin g	1	1	Y N *	Permit	BasicPermitSub mission MasterGeneralP ermitSubmissio n GeneralPermitS ubmission	BasicPermit GeneralPermi t MasterGener alPermit				
PermitApplicatio nCompletionDat e	<PermitApplication CompletionDate>2 002-12-31</PermitApplica tionCompletionDat e>	No	No	The date the permit's application was deemed complete.	xsd:date	10	10	ccyy-mm-dd	Permit	BasicPermitSub mission GeneralPermitS ubmission	BasicPermit GeneralPermi t	Y	Yes		

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
PermitComment sText	<PermitComments Text>Permittee has no history of violations.</Permit CommentsText>	No	No	A free-form text field for comments that apply to the permit.	xsd:strin g	4000	1		Permit	BasicPermitSub mission MasterGeneralP ermitSubmissio n GeneralPermitS ubmission UnpermittedFac ilitySubmission	BasicPermit GeneralPermi t MasterGener alPermit UnpermittedF acility				
PermitCompone ntTypeCode	<PermitComponen tTypeCode>SWM </PermitCompone ntTypeCode>	No	Yes	The code that represents a component type the master general permit covers.	xsd:strin g	3	1	See ref_component_type table for acceptable values	Master General Permit	MasterGeneralP ermitSubmissio n	MasterGener alPermit				
PermitContact	<PermitContact> <> </PermitContact>	No	Yes	The parent of permit contact elements					Contact	BasicPermitSub mission, GeneralPermitS ubmission	BasicPermit, GeneralPermi t				
PermitEffectiveD ate	<PermitEffectiveD ate>2003-12- 31</PermitEffectiv eDate>	No	No	The date the permit becomes effective.	xsd:date	10	10	ccyy-mm-dd	Common	BasicPermitSub mission MasterGeneralP ermitSubmissio n GeneralPermitS ubmission	BasicPermit GeneralPermi t MasterGener alPermit	Y	Yes	PTAC*	Actual_Date
PermitExpiration Date	<PermitExpiration Date>2003-12- 31</PermitExpirati onDate>	No	No	The date the permit is scheduled to expire.	xsd:date	10	10	ccyy-mm-dd	Common	BasicPermitSub mission MasterGeneralP ermitSubmissio n GeneralPermitS ubmission	BasicPermit GeneralPermi t MasterGener alPermit	Y	Yes	PTAC*	Actual_Date
PermitIdentifier	<PermitIdentifier> ZZ1005932</Perm itIdentifier>	Yes	Yes for Forma lEnfor cemen tActio n and Inform alEnfo rceme ntActi on 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	xsd:strin g	9	9		Key Elements	All XMLs	BasicPermit, BiosolidsPer mit,Biosolids ProgramRep ort,CAFOAnn ualReport,CA FOInspection ,CAFOPermit, ComplianceM onitoringLink age, LinkageToOt herInspection , ComplianceM	Y	Yes	NPID*, SLID	Environmental_Inf ormation_System_ Identification_Num ber

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				be in the Compliance Monitoring, Event Report, Program Report, Formal Enforcement Action, Informal Enforcement Action, Final Order, Subactivity, Compliance Schedule, Schedule Violation (<ComplianceSch eduleEventViolatio nKeyElements>) and Single Event Violation XML submission files but not all at the same time. If <LinkedFacility> is used, either the <FacilityRegistryId entifier> or the tags under the <FacilityLocationA ddress> parent tag must be included 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 <FacilityRegistryId							onitoring, ComplianceS chedule, ComplianceS cheduleEvent ViolationKey Elements, CSOEventRe port, CSOInspectio n,CSOPermit, DMRViolation , DischargeMo nitoringRepor t, DMRProgram ReportLinkag e, Enforcement ActionViolatio nKey, EffluentTrade Partner, FormalEnforc ementAction, GeneralPermi t, InformalEnfor cementAction , LimitSet, Limits, LimitDates, ParameterLi mits, LocalLimitsPr ogramReport, MasterGener alPermit, NarrativeCon dition, PermitSched ule, PermitSched uleEventViola tionKeyEleme nts, PermitTrackin gEvent,				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				entifier> or the tags under the <FacilityLocationA ddress> parent tag are not needed.							PermittedFea ture, PretreatmentI nspection, Pretreatment Permit, Pretreatment Performance Summary, SingleEvents Violation, SingleEventV iolation, EffluentDMR Violation, SSOAnnualR eport, SSOEventRe port, SSOInspectio n, SSOMonthly EventReport, POTWPermit, StormWaterC onstructionPe rmit, StormWaterE ventReport, StormWaterIn dustrialPermit , StormWaterIn spection, StormWaterM S4LargePerm it, StormWaterM S4ProgramR eport, StormWaterM S4SmallPerm it, UnpermittedF acility				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
PermitIssueDate	<PermitIssueDate>2004-12-31</PermitIssueDate>	No	No	The date the permit was issued.	xsd:date	10	10	ccyy-mm-dd	Common	BasicPermitSubmission MasterGeneralPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit	Y	Yes	PTAC*	Actual_Date
PermitIssuingOrganizationTypeName	<PermitIssuingOrganizationTypeName>State Environmental Organization</PermitIssuingOrganizationTypeName>	No	No	The name of the organization issuing or granting the permit.	xsd:string	100	1		Permit	BasicPermitSubmission MasterGeneralPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit		Yes		
PermitName	<PermitName>UU CAFO MGP</PermitName>	No	No	The name of the master general permit.	xsd:string	120	1		Master General Permit	MasterGeneralPermitSubmission	MasterGeneralPermit				
PermitSchedule	<PermitSchedule><></PermitSchedule>	Yes	No	The parent of permit schedule elements					Permit Schedule	PermitSchedule Submission	PermitScheduleData				
PermitScheduleComments	<PermitScheduleComments>See permit for details</PermitScheduleComments>	No	No	A free-form text field for comments that apply to the permit schedule.	xsd:string	4000	1		Permit Schedule	PermitSchedule Submission	PermitSchedule			COMM	Comment_Text
PermitScheduleData	<PermitScheduleData><></PermitScheduleData>	Yes	Yes	The parent of permit schedule data elements					ICIS	PermitSchedule Submission	Payload		Yes		
PermitScheduleEvent	<PermitScheduleEvent><></PermitScheduleEvent>	Yes	No	The parent of permit schedule event elements					Permit Schedule	PermitSchedule Submission	PermitSchedule				
PermitScheduleEventViolationKeyElements	<PermitScheduleEventViolationKeyElements><></PermitScheduleEventViolationKeyElements>	Yes if the compliance schedule event violation key	No	The parent of permit schedule event violation key elements					Schedule Event Violation	ScheduleEventViolationSubmission	ScheduleEventViolation				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
		parent eleme nt is not prese nt No for all others													
PermitSchedule Violation	<PermitScheduleV iolation> <> </PermitSchedule Violation>	Yes if no other parent tags at the same level are prese nt No for all others	Yes	The parent of permit schedule violation elements					Enforcement Action Violation Key	EnforcementAct ionViolationKey Submission	Enforcement ActionViolatio n				
PermitStateWat erBodyCode	<PermitStateWate rBodyCode>A052 31699873</Permit StateWaterBodyC ode>	No	No	Code to identify the water body into which the effluent is discharged for the permit. This code is assigned by the State agency.	xsd:strin g	12	1		Permit	BasicPermitSub mission GeneralPermitS ubmission	BasicPermit GeneralPermi t				
PermitStateWat erBodyName	<PermitStateWate rBodyName>Great Dismal Swamp</PermitSt ateWaterBodyNa me>	No	Yes	The name of the water body that is used by the State.	xsd:strin g	50	1		Permit	BasicPermitSub mission GeneralPermitS ubmission	BasicPermit GeneralPermi t	Y			
PermitStatusCo de	<PermitStatusCod e>EFF</PermitSta tusCode>	No	No	The code that represents the status of the permit.	xsd:strin g	3	1	See ref_permit_status table for acceptable values	Permit	BasicPermitSub mission MasterGeneralP ermitSubmissio n GeneralPermitS ubmission	BasicPermit GeneralPermi t MasterGener alPermit	Y			
PermittedFeatur e	<PermittedFeature > <> </PermittedFeatur e>	Yes	No	The parent of permitted feature elements					Permitted Feature	PermittedFeatur eSubmission	PermittedFea tureData				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
PermittedFeatureActualAverageFlowNumber	<PermittedFeatureActualAverageFlowNumber>38650</PermittedFeatureActualAverageFlowNumber>	No	No	The actual flow that a permitted feature currently accomodates.	xsd:integer	8	1	positive with floating decimal	Permitted Feature	PermittedFeatureSubmission	PermittedFeature	Y		FLOW	Average_Design_Flow
PermittedFeatureCharacteristics	<PermittedFeatureCharacteristics>SW</PermittedFeatureCharacteristics>	No	Yes	The type of waste being discharged or generated from the permitted feature.	xsd:string	3	1	See ref_characteristic table for acceptable values	Permitted Feature	PermittedFeatureSubmission	PermittedFeature			WAST*	Effluent_Waste_Type_Code
PermittedFeatureData	<PermittedFeatureData><></PermittedFeatureData>	Yes	Yes	The parent of permitted feature data elements					ICIS	PermittedFeatureSubmission	Payload		Yes		
PermittedFeatureDescription	<PermittedFeatureDescription>Standard iron pipe</PermittedFeatureDescription>	No	No	A free-form text field of customized information on the permitted feature.	xsd:string	100	1		Permitted Feature	PermittedFeatureSubmission	PermittedFeature			PIPE	Discharge_Description
PermittedFeatureDesignFlowNumber	<PermittedFeatureDesignFlowNumber>48950</PermittedFeatureDesignFlowNumber>	No	No	The flow that a permitted feature was designed to accommodate.	xsd:integer	8	1	positive with floating decimal	Permitted Feature	PermittedFeatureSubmission	PermittedFeature	Y		FLOW	Average_Design_Flow
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	CSOEventReportSubmission CSOInspectionSubmission DischargeMonitoringReportSubmission DMRViolationSubmission DMRProgramReportLinkageSubmission EffluentTradePartnerSubmission EnforcementActionViolationKeySubmission LimitSetSubmission LimitsSubmission PermittedFeatur	CSOEventReport CSOInspection DischargeMonitoringReport DMRViolation DMRProgramReportLinkage EffluentTradePartner DischargeMonitoringReportViolation LimitSet Limits, LimitDates, ParameterLimits PermittedFea	Y	Yes	DSCH	Discharge_Number

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										eSubmission	ture				
PermittedFeatur eStateWaterBod yCode	<PermittedFeature StateWaterBodyC ode>0102</Permit tedFeatureStateW aterBodyCode>	No	No	A code from the State or Region that represents the water body receiving an effluent discharge from the permitted feature.	xsd:strin g	12	1		Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture				
PermittedFeatur eStateWaterBod yName	<PermittedFeature StateWaterBodyN ame>Whitewater Creek</Permitted FeatureStateWate rBodyName>	No	No	The name of the water body that is used by the State	xsd:strin g	50	1		Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture			RWAT	Receiving_Waters _Name
PermittedFeatur eTreatmentType Code	<PermittedFeature TreatmentTypeCo de>1D</Permitted FeatureTreatment TypeCode>	No	No	A code representing the type of waste water treatment for the permitted feature. This tag may appear more than once in the XML file.	xsd:strin g	3	1	See ref_treatment_type table for acceptable values	Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture			TRET	Treatment_Type_ Code
PermittedFeatur eTypeCode	<PermittedFeature TypeCode>LAS</ PermittedFeatureT ypeCode>	Yes	Yes	A code representing the type of permitted feature being tracked (external outfall, internal outfall, land application site, etc.).	xsd:strin g	3	1	See ref_perm_feature_ty pe table for acceptable values	Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture	Y	Descripti on	OUTT*	Outfall_Type_Cod e
PermittedFeatur eUserDefinedDa taElement1	<PermittedFeature UserDefinedDataE lement1>Special use</PermittedFe atureUserDefined DataElement1>	No	No	A free-form text field of customized information relating to the permitted feature.	xsd:strin g	30	1		Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture			RDP1	Pipe_User_Data_ Element1
PermittedFeatur eUserDefinedDa taElement2	<PermittedFeature UserDefinedDataE lement2>Special use</PermittedFe atureUserDefined	No	No	A free-form text field of customized information relating to the permitted feature.	xsd:strin g	30	1		Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture			RDP2	Pipe_User_Data_ Element2

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
	DataElement2>														
Permittee	<Permittee> <> </Permittee>	Yes when adding a record No for all others	No	The parent of permittee elements					Permit	BasicPermitSubmission, GeneralPermitSubmission	BasicPermit, GeneralPermit, SWConstructionPermit, SWEventReport, SWIndustrial Permit, SWInspection, SWMS4Large Permit, SWMS4ProgramReport, SWMS4Small Permit				
PermittingAuthorityReportReceivedDate	<PermittingAuthorityReportReceivedDate>2003-12-31</PermittingAuthorityReportReceivedDate>	Yes	No	The date the permitting authority received the CAFO report.	xsd:date	10	10	ccyy-mm-dd	CAFO Annual Report	CAFOAnnualReportSubmission LocalLimitsProgramReportSubmission ComplianceMonitoringLinkageSubmission	CAFOAnnualReport LocalLimitsProgramReport LinkageToCAFOAnnualReport, LinkageToLocalLimitsReport	Y			
PermitTrackingCommentsText	<PermitTrackingCommentsText>Application returned to applicant 3 times</PermitTrackingCommentsText>	No	No	A free-form text field for comments that apply to the permit tracking milestone event.	xsd:string	4000	1		Permit Tracking Event	PermitTrackingEventSubmission	PermitTrackingEvent				
PermitTrackingEvent	<PermitTrackingEvent> <> </PermitTrackingEvent>	Yes	No	The parent of permit tracking event elements					Permit Tracking Event	PermitTrackingEventSubmission	PermitTrackingEventData				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
PermitTrackingEventCode	<PermitTrackingEventCode>ANC</PermitTrackingEventCode>	Yes	No	A code to desscribes the permit tracking milestone event.	xsd:string	3	1	See ref_perm_track_event table for acceptable values	Key Elements	PermitTrackingEventSubmission	PermitTrackingEvent				
PermitTrackingEventData	<PermitTrackingEventData> <> </PermitTrackingEventData>	Yes	Yes	The parent of permit tracking event data elements					ICIS	PermitTrackingEventSubmission	Payload		Yes		
PermitTrackingEventDate	<PermitTrackingEventDate>2006-12-31</PermitTrackingEventDate>	Yes	No	The actual date the permit tracking event was completed.	xsd:date	10	10	ccyy-mm-dd	Key Elements	PermitTrackingEventSubmission	PermitTrackingEvent				
PermitTypeCode	<PermitTypeCode>NPD</PermitTypeCode>	Yes	No	The code that represents the type of permit issued.	xsd:string	3	1	See ref_permit_type table for acceptable values	Permit	BasicPermitSubmission MasterGeneralPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit	Y		EPST	Permit_Issue_Type_Code
PermitUserDefinedDataElement1Text	<PermitUserDefinedDataElement1Text>Special use</PermitUserDefinedDataElement1Text>	No	No	A free-form text field of customized information relating to the permit.	xsd:string	30	1		Permit	BasicPermitSubmission MasterGeneralPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit			RDF6	Facility_User_Data_Element6
PermitUserDefinedDataElement2Text	<PermitUserDefinedDataElement2Text>Special use</PermitUserDefinedDataElement2Text>	No	No	A free-form text field of customized information relating to the permit.	xsd:string	30	1		Permit	BasicPermitSubmission MasterGeneralPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit			RDF7	Facility_User_Data_Element7
PermitUserDefinedDataElement3Text	<PermitUserDefinedDataElement3Text>Special use</PermitUserDefinedDataElement3Text>	No	No	A free-form text field of customized information relating to the permit.	xsd:string	30	1		Permit	BasicPermitSubmission MasterGeneralPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit			RDF8	Facility_User_Data_Element8
PermitUserDefinedDataElement4Text	<PermitUserDefinedDataElement4Text>Special use</PermitUserDefinedDataElement	No	No	A free-form text field of customized information relating to the permit.	xsd:string	30	1		Permit	BasicPermitSubmission MasterGeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit			RDF9	Facility_User_Data_Element9

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
	t4Text>									GeneralPermitSubmission					
PermitUserDefinedDataElement5Text	<PermitUserDefinedDataElement5Text>Special use</PermitUserDefinedDataElement5Text>	No	No	A free-form text field of customized information relating to the permit.	xsd:string	30	1		Permit	BasicPermitSubmission MasterGeneralPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit			RDF0	Facility_User_Data_Element10
PolicyCode	<PolicyCode>UNK</PolicyCode>	No	Yes	The code that represents the policy in effect for the facility.	xsd:string	3	1	See ref_policy table for acceptable values	Facility	FacilitySubmission	Facility				
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	DischargeMonitoringReportSubmission	LandApplicationSite	Y			
PollutantMonitoringBasisCode	<PollutantMonitoringBasisCode>E</PollutantMonitoringBasisCode>	No	No	The code that represents the basis of monitoring of the pollutant (i.e., benchmark, coal pile, effluent, etc.).	xsd:string	3	1	See ref_monitoring_basis table for acceptable values	SW Event Report	SWEventReportSubmission	SWEventReport				
POTWPermit	<POTWPermit><></POTWPermit>	Yes	No	The parent of POTW permit elements					POTW Permit	POTWPermitSubmission	POTWPermitData				
POTWPermitData	<POTWPermitData><></POTWPermitData>	Yes	Yes	The parent of POTW permit data elements					ICIS	POTWPermitSubmission	Payload		Yes		
PrecipitationForm	<PrecipitationForm>R</PrecipitationForm>	No	No	The code that represents whether the type of precipitation was rain or snowfall.	xsd:string	1	1	R - Rain S - Snow * - blank out field	SW Event Report	SWEventReportSubmission	SWEventReport				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
PretreatmentContact	<PretreatmentContact> <> </PretreatmentContact>	No	Yes	The parent of pretreatment contact elements					Pretreatment Permit	PretreatmentPermitSubmission	Pretreatment Permit				
PretreatmentInspection	<PretreatmentInspection> <> </PretreatmentInspection>	Yes	No	The parent of pretreatment inspection elements					Pretreatment Inspection	PretreatmentInspectionSubmission	PretreatmentInspectionData				
PretreatmentInspectionData	<PretreatmentInspectionData> <> </PretreatmentInspectionData>	Yes	Yes	The parent of pretreatment inspection data elements					ICIS	PretreatmentInspectionSubmission	Payload		Yes		
PretreatmentPerformanceSummary	<PretreatmentPerformaneSummary> <> </PretreatmentPerformanceSummary>	Yes	No	The parent of pretreatment performance summary elements					Pretreatment Performance Summary	PretreatmentPerformanceSummarySubmission	Pretreatment Performance SummaryData				
PretreatmentPerformanceSummaryData	<PretreatmentPerformaneSummaryData> <> </PretreatmentPerformanceSummaryData>	Yes	Yes	The parent of pretreatment performance summary data elements					ICIS	PretreatmentPerformanceSummarySubmission	Payload		Yes		
PretreatmentPerformanceSummaryEndDate	<PretreatmentPerformanceSummaryEndDate>2005-12-31</PretreatmentPerformanceSummaryEndDate>	Yes	No	The date the pretreatment performance summary report was ended.	xsd:date	10	10	ccyy-mm-dd	Pretreatment Performance Summary Report	PretreatmentPerformanceSummarySubmission ComplianceMonitoringLinkageSubmission	Pretreatment Performance Summary LinkageToPretreatmentPerformanceReport	Y		PSED	End_Date
PretreatmentPerformanceSummaryStartDate	<PretreatmentPerformanceSummaryStartDate>2007-01-30</PretreatmentPerformanceSummaryStartDate>	Yes	No	The date the pretreatment performance summary began.	xsd:date	10	10	ccyy-mm-dd	Pretreatment Performance Summary Report	PretreatmentPerformanceSummarySubmission	Pretreatment Performance Summary			PSSD	Start_Date
PretreatmentPermit	<PretreatmentPermit> <> </PretreatmentPermit>	Yes	No	The parent of pretreatment permit elements					Pretreatment Permit	PretreatmentPermitSubmission	Pretreatment PermitData				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
PretreatmentPermitData	<PretreatmentPermitData> <> </PretreatmentPermitData>	Yes	Yes	The parent of pretreatment permit data elements					ICIS	PretreatmentPermitSubmission	Payload		Yes		
PretreatmentProgramApprovedDate	<PretreatmentProgramApprovedDate>2004-01-30</PretreatmentProgramApprovedDate>	No	No	The date the pretreatment program was approved.	xsd:date	10	10	ccyy-mm-dd	Pretreatment Permit	PretreatmentPermitSubmission	Pretreatment Permit	Y			
PretreatmentProgramRequiredIndicatorCode	<PretreatmentProgramRequiredIndicatorCode>C</PretreatmentProgramRequiredIndicatorCode>	Yes	No	The code that represents whether the permitted municipality is required to develop a pretreatment program.	xsd:string	3	1	See ref_pretreatment_indicator table for acceptable values	Pretreatment Permit	PretreatmentPermitSubmission	Pretreatment Permit	Y		PRET	Pretreatment_Program_Required_Code
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	DischargeMonitoringReportSubmission	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	DischargeMonitoringReportSubmission	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	DischargeMonitoringReportSubmission	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	DischargeMonitoringReportSubmission	DischargeMonitoringReport				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
ProgramsViolatedCode	<ProgramsViolatedCode>CWACSO</ProgramsViolatedCode>	Yes when adding a record No for all others	Yes	Code that represents the state, tribal or local programs that were violated. This tag may appear more than once in the XML file.	xsd:string	9	1	See ref_program table for acceptable values	Common	FormalEnforcementActionSubmission InformalEnforcemenActionSubmissionSubmission	FormalEnforcementAction InformalEnforcementAction	Y			
ProjectedSourcesOfFundingCode	<ProjectedSourcesOfFundingCode>SWU</ProjectedSourcesOfFundingCode>	No	Yes	The code that represents the projected sources of funding for stormwater activities.	xsd:string	3	1	See ref_source_funding table for acceptable values	SW	SWMS4ProgramReportSubmission	SWMS4ProgramReport				
ProjectEstimatedCompletedDate	<ProjectEstimatedCompletedDate></ProjectEstimatedCompletedDate>	No	No	The date the construction project is esimated to be started.	xsd:date	10	10		SW MS4 Small Permit	SWMS4SmallPermitSubmission	GPCFConstructionWaiver				
ProjectEstimatedStartDate	<ProjectEstimatedStartDate></ProjectEstimatedStartDate>	No	No	The date the construction project is esimated to be completed.	xsd:date	10	10		SW MS4 Small Permit	SWMS4SmallPermitSubmission	GPCFConstructionWaiver				
ProjectIsoerodentValue	<ProjectIsoerodentValue>350</ProjectIsoerodentValue>	No	No	The R value of the isoerodent for the project for the portion of the year that the construction project will take place. This value is statistically calculated and based on the annual summation of rainfall energy in every storm.	xsd:integer	5	1	0 to 999.9	SW MS4 Small Permit	SWMS4SmallPermitSubmission	GPCFConstructionWaiver				
ProjectPlanSizeCode	<ProjectPlanSizeCode>LTO</ProjectPlanSizeCode>	No	No	Code that represents the planned size of the project. LTA - Less than 1 acre LTF - 1-5 acres GTF - Greater than 5 acres	xsd:string	3	1	See ref_project_plan_size table for acceptable values	SW	SWConstructionPermitSubmission SWInspectionSubmission	SWConstructionPermit StormWaterUnpermittedConstructionInspection				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
ProjectSourcesOfFundingCode	<ProjectSourcesOfFundingCode>SWU</ProjectSourcesOfFundingCode>	No	No	The code that represents the projected sources of funding for stormwater activities.	xsd:string	3	1	See ref_source_funding table for acceptable values	SW	SWMS4LargePermitSubmission SWMS4SmallPermitSubmission	SWMS4LargePermit SWMS4SmallPermit				
ProjectTypeCode	<ProjectTypeCode>RES</ProjectTypeCode>	Yes	No	The code that represents the type of construction project.	xsd:string	3	1	See ref_project_type table for acceptable values	SW	SWConstructionPermitSubmission SWInspectionSubmission	SWConstructionPermit StormWaterUnpermittedConstructionInspection				
ProjectTypeCodeOtherDescription	<ProjectTypeCodeOtherDescription>Airport</ProjectTypeCodeOtherDescription>	Yes when ProjectTypeCode represents "Other" No for all others	No	Free-form text describing the project type code marked as "Other"	xsd:string	50	1		SW Inspection	SWInspectionSubmission	StormWaterUnpermittedConstructionInspection				
Property	<Property> <name>…</name> </Property>	No	Yes	Parent tag for name and value tags. This tag is used to either set one or more addresses to send submission status e-mails to or to identify the submitter type. Examples for using this tag: <Property> <name>e-mail</name> <value>doe.john @state.us</value> </Property> <Property> <name>Source</name>	N/A	N/A	N/A	N/A	Header	All XMLs	Header				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				`<value>NetDMR</value></Property>` `<Property>` `<name>e-mail</name>` `<value>doe.john@state.us</value></Property>` `<Property>` `<name>e-mail</name>` `<value>jane_doe@state.us</value></Property>` `<Property>` `<name>Source</name>` `<value>e-DMR</value></Property>`											
PropertyBounda ryDistance	`<PropertyBoundaryDistance>4895</PropertyBoundary Distance>`	No	No	Distance in meters from the disposal site to the property boundary.	xsd:integ er	3	1	positive integer	Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture	Y			
QualifyingLocal ProgramDescrip tionText	`<QualifyingLocalProgramDescription Text>Los Alamos School District</Qualifying LocalProgramDes criptionText>`	No	No	The description of any local programs consistent with Phase II regulation.	xsd:strin g	1000	1		SW MS4 Small Permit	SWMS4SmallP ermitSubmissio n	SWMS4Small Permit				
QualifyingLocal ProgramIndicato r	`<QualifyingLocalP rogramIndicator>N </QualifyingLocalP rogramIndicator>`	No	No	Indicates if there are any qualifying local programs consistent with Phase II regulation.	xsd:strin g	1	1	Y N *	SW MS4 Small Permit	SWMS4SmallP ermitSubmissio n	SWMS4Small Permit				
QuantityNumeric ReportUnitMeas ureCode	`<QuantityNumeric ReportUnitMeasur eCode>01</Quant ityNumericReport UnitMeasureCode >`	No	No	The code representing the unit of measure for the quantity measurement for the given	xsd:strin g	2	1	See ref_unit table for acceptable values	Discharge Monitoring Report	DischargeMonit oringReportSub mission	ReportParam eter	Y		RUNT	Unit_Code

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				parameter and limit set.											
RainfallStormEventSampledNumber	<RainfallStormEventSampledNumber>1</RainfallStormEventSampledNumber>	No	No	The amount of rainfall during the stormwater event that was sampled.	xsd:integer	5	1	0 to 999.9	SW Event Report	SWEventReportSubmission	SWEventReport				
ReasonForDeletingRecord	<ReasonForDeletingRecord>Entered incorrectly</ReasonForDeletingRecord>	Yes when deleting a FormalEnforcementAction or InformalEnforcementAction No for all others	No	Free-form description of the reason the informal enforcement action record was deleted.	xsd:string	500	1		FormalEnforcementAction Informal Enforcement Action	FormalEnforcementActionSubmission InformalEnforcemenActionSubmissionSubmission	FormalEnforcementAction InformalEnforcementAction	Y			
ReceivedOffsiteSourcesAmount	<ReceivedOffsiteSourcesAmount>35</ReceivedOffsiteSourcesAmount>	No	No	The dry metric tons (DMT) of sewage sludge received from off-site sources.	xsd:integer	8	1	positive integer	Biosolids	BiosolidsPermitSubmission BiosolidsProgramReportSubmission	BiosolidsPermit BiosolidsProgramReport				
ReceivingMS4Name	<ReceivingMS4Name>Town of Ashland</ReceivingMS4Name>	No	Yes	The name of the receiving MS4(s). This tag may appear more than once in the XML file.	xsd:string	50	1		SW	SWConstructionPermitSubmission SWIndustrialPermitSubmission SWMS4LargePermitSubmission SWMS4SmallPermitSubmission	SWConstructionPermit SWIndustrialPermit SWMS4LargePermit SWMS4SmallPermit	Y			
ReceivingPermitIdentifier	<ReceivingPermitIdentifier>UU00000123</ReceivingPermitIdentifier>	No	No	The NPDES identification number of the receiving permit.	xsd:string	9	9		Basic Permit	BasicPermitSubmission	BasicPermit				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
ReferencePoint Code	<ReferencePointC ode>104</Referen cePointCode>	No	No	The code that represents the place for with geographic coordinates were established.	xsd:strin g	3	1	See ref_reference_point table for acceptable values	Geographic Coordinates	FacilitySubmissi on PermittedFeatur eSubmission	GeographicC oordinates	Y	Descripti on	FLLD*, PLLD*	Reference_Point_ Code
RegionCode	<RegionCode>08 </RegionCode>	No	No	The two character code that represents an EPA region.	xsd:strin g	2	2	See ref_region for acceptable values	Contact	BasicPermitSub mission, GeneralPermitS ubmission, MasterGeneralP ermitSubmissio n, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, FormalEnforce mentActionSub mission, InformalEnforce mentActionSub mission, PermittedFeatur eSubmission, PretreatmentPe rmit, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon	Contact				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
										itoringSubmission					
ReissuancePriorityPermitIndicator	<ReissuancePriorityPermitIndicator>2</ReissuancePriorityPermitIndicator>	No	No	The the priority for EPA HQ to assign to the facility for addressing backlogged or other candidates for reissuance.	xsd:string	1	1		Permit	BasicPermitSubmission MasterGeneralPermitSubmission GeneralPermitSubmission	BasicPermit GeneralPermit MasterGeneralPermit			RPRI	Regional_Priority_Permit_Code
RemovalCredits	<RemovalCredits><></RemovalCredits>	No	No	The parent of removal credits elements					Local Limits Program Report	LocalLimitsProgramReportSubmission, PretreatmentInspectionSubmission, PretreatmentPerformanceSummarySubmission	LocalLimitsProgramReport, PretreatmentInspection, Pretreatment Performance Summary				
RemovalCreditsApplicationStatusCode	<RemovalCreditsApplicationStatusCode>A</RemovalCreditsApplicationStatusCode>	No	No	The code that represents the status of the application for removal credit from the Pretreatment Control Authority.	xsd:string	3	1	See ref_app_removal_status for acceptable values	Local Limits Program Report	LocalLimitsProgramReportSubmission, PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	RemovalCredits	Y		RECR	Removal_Credits_Code
RemovalCreditsPollutantCode	<RemovalCreditsPollutantCode>3512</RemovalCreditsPollutantCode>	No	Yes	The pollutants related to the removal efficiency approved for the Pretreatment Control Authority.	xsd:integer	10	1	See ref_pollutant table for acceptable values	Local Limits Program Report	LocalLimitsProgramReportSubmission, PretreatmentInspectionSubmission, PretreatmentPerformanceSummarySubmission	RemovalCredits	Y			
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	DischargeMonitoringReportSubmission	DischargeMonitoringReport				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
ReportCoverage EndDate	<ReportCoverage EndDate>2007-12-31</ReportCoverageEndDate>	Yes	No	The date the biosolids reporting coverage ended.	xsd:date	10	10	ccyy-mm-dd	BiosolidsProgram Report	BiosolidsProgramReportSubmission DMRProgramReportLinkageSubmission ComplianceMonitoringLinkageSubmission	BiosolidsProgramReport BiosolidsReportLink LinkageToBiosolidsReport	Y			
ReportedAnimal Type	<ReportedAnimalType> <> </ReportedAnimalType>	No	Yes	The parent of reported animal type elements					CAFO	CAFOAnnualReportSubmission	CAFOAnnualReport				
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_analysis table for acceptable values	Discharge Monitoring Report	DischargeMonitoringReportSubmission	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	DischargeMonitoringReportSubmission	ReportParameter			REXC	Reported_Number_of_Excursions
ReportParameter	<ReportParameter> <> </ReportParameter>	No	Yes	The parent of report parameter elements					Discharge Monitoring Report	DischargeMonitoringReportSubmission	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	DischargeMonitoringReportSubmission	ReportParameter			RSAM	Sample_Type_Code
ReturnCompilanceActualDate	<ReturnCompilanceActualDate>2007-12-31</ReturnCompilanceActualDate>	No	No	The actual date the permittee or facility returned to compliance.	xsd:date	10	10	ccyy-mm-dd	Informal Enforcement Action	InformalEnforcemenActionSubmission	InformalEnforcementAction		Yes	ENDT, APPC, APAH, ESDT, APFO, ENOT, APPD, EACD	
RNCDetectionCode	<RNCDetectionCode>A</RNCDetectionCode>	Yes	No	The code that represents how the single event, schedule, effluent or DMR non-	xsd:string	3	1	See ref_rnc_detection table for acceptable values	RNC Detection Resolution	DMRViolationSubmission SingleEventViolationSubmission	DMRViolation SingleEventViolation	Y		SNCC, SNCS, SNCE	RNC_Violation_Detection_Code

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
				receipt violation was detected.											
RNCDetectionDate	<RNCDetectionDate>2000-12-31</RNCDetectionDate>	Yes	No	The date the single event, schedule, effluent or DMR non-receipt violation was detected.	xsd:date	10	10	ccyy-mm-dd	RNC Detection Resolution	DMRViolationSubmission SingleEventViolationSubmission	DMRViolation SingleEventViolation	Y		SNDC, SNDS, SNDE	RNC_Violation_Detection_Date
RNCManualStatusCode	<RNCManualStatusCode>R</RNCManualStatusCode>	No	No	The code used by the state or region to override the RNC status automatically generated by ICIS-NPDES.	xsd:string	3	1	See ref_rnc_status table for acceptable values	Status	BasicPermitSubmission GeneralPermitSubmission	RNCStatus	Y		CYM1, CYM2, CYM3, CYM4, PYM1, PYM2, PYM3, PYM4	QNCR_Status_Code
RNCResolutionCode	<RNCResolutionCode>9</RNCResolutionCode>	Yes	No	The code that represents how the single event, schedule, effluent or DMR non-receipt violation was resolved.	xsd:string	3	1	See ref_rnc_resolution table for acceptable values	RNC Detection Resolution	DMRViolationSubmission SingleEventViolationSubmission ScheduleEventViolationSubmission	DMRViolation SingleEventViolation ScheduleEventViolation	Y		SRCC, SRCS, SRCE	RNC_Violation_Resolution_Code
RNCResolutionDate	<RNCResolutionDate>2000-01-30</RNCResolutionDate>	Yes	No	The date the single event, schedule, effluent or DMR non-receipt violation was resolved.	xsd:date	10	10	ccyy-mm-dd	RNC Detection Resolution	DMRViolationSubmission SingleEventViolationSubmission ScheduleEventViolationSubmission	DMRViolation SingleEventViolation ScheduleEventViolation	Y		SRDC, SRDS, SRDE	RNC_Violation_Resolution_Date Resolution_Date
RNCStatus	<RNCStatus> <> </RNCStatus>	No	Yes	The parent of RNC status elements					Status	BasicPermitSubmission, GeneralPermitSubmission	BasicPermit, GeneralPermit				
RNCStatusCodeQuarter	<RNCStatusCodeQuarter>2</RNCStatusCodeQuarter>	Yes	No	The code representing the calendar quarter of the RNC status. The first quarter covers January through March, second quarter	xsd:integer	4	1	1 - 1st Quarter 2 - 2nd Quarter 3 - 3rd Quarter 4 - 4th Quarter	Status	BasicPermitSubmission GeneralPermitSubmission	RNCStatus	Y			Fiscal_Quarter_Code

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				cover April-June, the third quarter covers July through September, and the fourth quarter covers October through December.											
RNCStatusCode Year	<RNCStatusCode Year>2007</RNC StatusCodeYear>	Yes	No	The year of the RNC status. Format is ccyy, where cc is the century and yy is the year within the century.	xsd:integ er	4	4	1970-2099	Status	BasicPermitSub mission GeneralPermitS ubmission	RNCStatus	Y			Year_Indicator
SampleTakenWi thinTimeframeIn dicator	<SampleTakenWit hinTimeframeIndic ator>Y</SampleT akenWithinTimefra meIndicator>	No	No	Indicates if the stormwater sample was taken within the specified timeframe.	xsd:strin g	1	1	Y N *	SW Event Report	SWEventReport Submission	SWEventRep ort				
SampleTypeTex t	<SampleTypeText >ES</SampleTyp eText>	No	No	The code that represents the sampling method required by the permit to be used to provide values on the DMR.	xsd:strin g	3	1	See ref_sample_type table for acceptable values	Limits	LimitsSubmissio n	Limits			SAMP	Sample_Type_Co de
SamplingBasisIn dicator	<SamplingBasisIn dicator>W</Sampl ingBasisIndicator>	No	No	Indicates whether stormwater event occurred during dry or wet weather.	xsd:strin g	1	1	D - Dry W - Wet	SW Event Report	SWEventReport Submission	SWEventRep ort				
SatelliteCollectio nSystem	<SatelliteCollectio nSystem> <> </SatelliteCollectio nSystem>	No	Up to 4 times	The parent of satellite collection system elements					Satellite Collection Systems	CSOPermitSub mission, POTWPermitSu bmission	CSOPermit, POTWPermit				
SatelliteCollectio nSystemIdentifie r	<SatelliteCollectio nSystemIdentifier> ZZ1005932</Satel liteCollectionSyste mIdentifier>	Yes	No	The permit ID of each satellite collection system providing flow to the permittee, and the POTW to which the collection system flows.	xsd:strin g	9	9		Satellite Collection Systems	CSOPermitSub mission POTWPermitSu bmission	SatelliteColle ctionSystem	Y			

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
SatelliteCollectionSystemName	<SatelliteCollectionSystemName>Fairfax County</SatelliteCollectionSystemName>	No	No	The name of each satellite collection system providing flow to the permittee, and the POTW to which the collection system flows.	xsd:string	50	1		Satellite Collection Systems	CSOPermitSubmission POTWPermitSubmission	SatelliteCollectionSystem	Y			
ScheduleActualDate	<ScheduleActualDate>2007-01-30</ScheduleActualDate>	No	No	The date the event is actually achieved and against which compliance is measured.	xsd:date	10	10	ccyy-mm-dd	Schedule Event	ComplianceScheduleSubmission PermitScheduleSubmission	ComplianceScheduleEvent PermitScheduleEvent	Y		DTAC	Actual_Date
ScheduleDate	<ScheduleDate>2005-12-31</ScheduleDate>	Yes	No	Date on which the permit or compliance schedule event is due to be completed. This date provides the basis against which compliance is measured.	xsd:date	10	10	ccyy-mm-dd	Key Elements	ComplianceScheduleSubmission EnforcementActionViolationKeySubmission, PermitScheduleSubmission ScheduleEventViolationSubmission	ComplianceScheduleEvent PermitScheduleViolation, ComplianceScheduleViolation PermitScheduleEvent PermitScheduleEventViolationKeyElements, ComplianceScheduleEventViolationKeyElements	Y		DTSC	Scheduled_Completion_Date
ScheduleDescriptorCode	<ScheduleDescriptorCode>LLR</ScheduleDescriptorCode>	No	No	Code that describes the type of permit schedule condition (additional monitoring, BMP, monitoring study, etc.) that covers base and special regulatory programs.	xsd:string	3	1	See ref_narrative_condition table for acceptable values	ComplianceSchedule	ComplianceScheduleSubmission	ComplianceSchedule				
ScheduledLimitSet	<ScheduledLimitSet> <> </ScheduledLimitSet>	Yes if the unscheduled limit set parent	No	The parent of scheduled limit set elements					Limit Set	LimitSetSubmission	LimitSet				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
		tag is not present and adding or changing No for all others													
ScheduleEventCode	<ScheduleEventCode>CS016</ScheduleEventCode>	Yes	No	Code indicating the particular event with which the permittee or facility is scheduled to comply with.	xsd:string	5	1	See ref_schedule_event table for acceptable values	Key Elements	ComplianceScheduleSubmission EnforcementActionViolationKeySubmission, PermitScheduleSubmission ScheduleEventViolationSubmission	ComplianceScheduleEventPermitScheduleEventViolation, ComplianceScheduleViolation PermitScheduleEvent PermitScheduleEventViolationKeyElements, ComplianceScheduleEventViolationKeyElements	Y		EVNT	Event_Code
ScheduleEventComments	<ScheduleEventComments>Must be on time</ScheduleEventComments>	No	No	Free form text field pertaining to the event.	xsd:string	4000	1		Schedule Event	PermitScheduleSubmission	PermitSchedule				
ScheduleEventViolation	<ScheduleEventViolation> <> </ScheduleEventViolation>	Yes	No	The parent of schedule event violation elements					Schedule Event Violation	ScheduleEventViolationSubmission	ScheduleEventViolationData				
ScheduleEventViolationData	<ScheduleEventViolationData> <> </ScheduleEventViolationData>	Yes	Yes	The parent of schedule event violation data elements					ICIS	ScheduleEventViolationSubmission	Payload		Yes		

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
ScheduleProjectedDate	<ScheduleProjectedDate>2005-01-30</ScheduleProjectedDate>	No	No	The date on which a permittee (Permit Schedule) or defendant/respondent (Compliance Schedule) expects to achieve an event when that permittee or defendant/respondent knows in advance that the Schedule Date will not be met on time. Compliance is not measured against the Projected Date; its purpose is strictly informational.	xsd:date	10	10	ccyy-mm-dd	Schedule Event	ComplianceScheduleSubmission PermitScheduleSubmission	ComplianceScheduleEvent PermitScheduleEvent			DTAC	Scheduled_Completion_Date
ScheduleReportReceivedDate	<ScheduleReportReceivedDate>2004-12-31</ScheduleReportReceivedDate>	No	No	The date on which the permitting authority receives a report (usually a letter) on the status of an event. When the schedule event type is a report (e.g., a Progress Report) as opposed to an activity (e.g., start construction), it is the date on which the permitting authority receives the required report. Compliance is measured against this date.	xsd:date	10	10	ccyy-mm-dd	Schedule Event	ComplianceScheduleSubmission PermitScheduleSubmission	ComplianceScheduleEvent PermitScheduleEvent	Y		DTRC	Report_Received_Date
ScheduleUserDefinedDataElement1	<ScheduleUserDefinedDataElement1>Special use</ScheduleUserDefinedDataElement1>	No	No	This field stores customized information relating to the permit or compliance	xsd:string	30	1		Schedule Event	ComplianceScheduleSubmission PermitScheduleSubmission	ComplianceScheduleEvent PermitScheduleEvent			RDC1	Compliance_Schedule_User_Data_Element1

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				schedule.											
ScheduleUserD efinedDataElem ent2	<ScheduleUserDe finedDataElement 2>Special use</ScheduleUs erDefinedDataEle ment2>	No	No	This field stores customized information relating to the permit or compliance schedule.	xsd:strin g	30	1		Schedule Event	ComplianceSch eduleSubmissio n PermitSchedule Submission	ComplianceS cheduleEvent PermitSched uleEvent			RDC2	Compliance_Sche dule_User_Data_ Element2
ScheduleViolatio nCode	<ScheduleViolatio nCode>C40</Sch eduleViolationCod e>	Yes	No	The code that represents the type of violation for the permit or compliance schedule.	xsd:strin g	5	1	See ref_violation table for acceptable values	Common	ScheduleEvent ViolationSubmis sion EnforcementAct ionViolationKey Submission	PermitSched uleEventViola tionKeyEleme nts, ComplianceS cheduleEvent ViolationKey Elements PermitSched uleViolation, ComplianceS cheduleViolat ion	Y		CVIO, SCVD,	Violation_Event_C ode
SectionTownshi pRange	<SectionTownship Range>S4T7NR1 E</SectionTownsh ipRange>	No	No	The section, township and/or range that the facility is located within.	xsd:strin g	50	1		Facility	FacilitySubmissi on	Facility				
SharedResponsi bilitiesDescriptio nText	<SharedResponsi bilitiesDescription Text>The Township of Montpelier and the District of Hanover have an MOA to share stormwater responsibilities.</S haredResponsibilit iesDescriptionText >	No	No	The description of any shared responsibilities the facility has.	xsd:strin g	1000	1		SW MS4 Small Permit	SWMS4SmallP ermitSubmissio n	SWMS4Small Permit				
SharedResponsi bilitiesIndicator	<SharedResponsi bilitiesIndicator>Y </SharedResponsi bilitiesIndicator>	No	No	Indicates if the facility has any shared responsibilities.	xsd:strin g	1	1	Y N *	SW MS4 Small Permit	SWMS4SmallP ermitSubmissio n	SWMS4Small Permit				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
SICCode	<SICCode>2611</ SICCode>	Yes	No	The Standard Industrial Classification (SIC) code for the facility.	xsd:integ er	4	4	See ref_sic table for acceptable values	SIC NAICS	BasicPermitSub mission, MasterGeneralP ermitSubmissio n, GeneralPermitS ubmission, FacilitySubmissi on	SICCodeDeta ils	Y	Descripti on	SIC2	SIC_Code
SICCodeDetails	<SICCodeDetails> <> </SICCodeDetails >	No	Yes	The parent of SIC code detail elements					SIC NAICS	BasicPermitSub mission, FacilitySubmissi on, GeneralPermitS ubmission,Mast erGeneralPermi tSubmission	BasicPermit, Facility, GeneralPermi t, MasterGener alPermit				
SICPrimaryIndic atorCode	<SICPrimaryIndica torCode>Y</SICPr imaryIndicatorCod e>	Yes	No	Indicates if the SIC code represents the primary industry at the facility.	xsd:strin g	1	1	Y N *	SIC NAICS	BasicPermitSub mission, MasterGeneralP ermitSubmissio n, GeneralPermitS ubmission, FacilitySubmissi on	SICCodeDeta ils		Descripti on		
SignatoryFirstNa me	SignatoryFirstNam e>Jane</Signator yFirstName>	No	No	The first name of the person responsible for signing DMRs at the facility.	xsd:strin g	30	1		Discharge Monitoring Report	DischargeMonit oringReportSub mission	DischargeMo nitoringRepor t				
SignatoryLastNa me	<SignatoryLastNa me>Doe</Signato ryLastName>	No	No	The surname of the person responsible for signing DMRs at the facility.	xsd:strin g	30	1		Discharge Monitoring Report	DischargeMonit oringReportSub mission	DischargeMo nitoringRepor t				
SignatoryTeleph one	<SignatoryTeleph one>8005551212 </SignatoryTeleph one>	No	No	The telephone number of the person responsible for signing DMRs at the facility. Only numbers without spaces are allowed.	xsd:strin g	10	1		Discharge Monitoring Report	DischargeMonit oringReportSub mission	DischargeMo nitoringRepor t				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
SignatureDate	<SignatureDate>2 006-12-31</SignatureDate >	No	No	The date the discharge monitoring report was signed.	xsd:date	10	10	ccyy-mm-dd	Discharge Monitoring Report	DischargeMonit oringReportSub mission	DischargeMo nitoringRepor t				
SignificantIUIndi cator	<SignificantIUIndic ator>N</Significan tIUIndicator>	No	No	Indicates whether the permit is for a significant industrial users.	xsd:strin g	1	1	Y N *	Basic Permit	BasicPermitSub mission	BasicPermit				
SingleEventCom mentText	<SingleEventCom mentText>Reporte d by private citizen</SingleEve ntCommentText>	No	No	A free-form text field for comments that apply to the single event.	xsd:strin g	4000	1		Single Event Violation	SingleEventViol ationSubmissio n	SingleEventV iolation				
SingleEventsVio lation	<SingleEventsViol ation> <> </SingleEventsViol ation>	Yes if no other parent tags at the same level are prese nt No for all others	Yes	The parent of single events violation elements					Enforcement Action Violation Key	EnforcementAct ionViolationKey Submission	Enforcement ActionViolatio n				
SingleEventUser DefinedField1	<SingleEventUser DefinedField1>Sp ecial use</SingleEvent UserDefinedField1 >	No	No	This field stores customized information relating to the single event.	xsd:strin g	30	1		Single Event Violation	SingleEventViol ationSubmissio n	SingleEventV iolation			RDS1	Single_Event_Viol ation_Regional_Fi eld1
SingleEventUser DefinedField2	<SingleEventUser DefinedField2>Sp ecial use</SingleEvent UserDefinedField2 >	No	No	This field stores customized information relating to the single event.	xsd:strin g	30	1		Single Event Violation	SingleEventViol ationSubmissio n	SingleEventV iolation			RDS2	Single_Event_Viol ation_Regional_Fi eld2
SingleEventUser DefinedField3	<SingleEventUser DefinedField3>Sp ecial use</SingleEvent UserDefinedField3 >	No	No	This field stores customized information relating to the single event.	xsd:strin g	30	1		Single Event Violation	SingleEventViol ationSubmissio n	SingleEventV iolation				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
SingleEventUserDefinedField4	<SingleEventUserDefinedField4>Special use</SingleEventUserDefinedField4>	No	No	This field stores customized information relating to the single event.	xsd:string	30	1		Single Event Violation	SingleEventViolationSubmission	SingleEventViolation				
SingleEventUserDefinedField5	<SingleEventUserDefinedField5>Special use</SingleEventUserDefinedField5>	No	No	This field stores customized information relating to the single event.	xsd:string	30	1		Single Event Violation	SingleEventViolationSubmission	SingleEventViolation				
SingleEventViolation	<SingleEventViolation> <> </SingleEventViolation>	Yes	No	The parent of single event violation elements					Single Event Violation	SingleEventViolationSubmission	SingleEventViolationData				
SingleEventViolationCode	<SingleEventViolationCode>A0016</SingleEventViolationCode>	Yes	No	The code that represents the single event violation.	xsd:string	5	1	See ref_violation table for acceptable values	Key Elements	EnforcementActionViolationKeySubmission SingleEventViolationSubmission ComplianceMonitoringLinkageSubmission	SingleEventsViolation SingleEventViolation LinkageToSingleEvent	Y			
SingleEventViolationData	<SingleEventViolationData> <> </SingleEventViolationData>	Yes	Yes	The parent of single event violation data elements					ICIS	SingleEventViolationSubmission	Payload		Yes		
SingleEventViolationDate	<SingleEventViolationDate>2005-12-31</SingleEventViolationDate>	Yes	No	The date the single event violation was detected.	xsd:date	10	10	ccyy-mm-dd	Key Elements	EnforcementActionViolationKeySubmission SingleEventViolationSubmission ComplianceMonitoringLinkageSubmission	SingleEventsViolation SingleEventViolation LinkageToSingleEvent	Y		CVDT, ECVD	Violation_Scheduled_Date
SingleEventViolationEndDate	<SingleEventViolationEndDate>2005-01-30</SingleEventViolationEndDate>	No	No	The date the single event violation ended.	xsd:date	10	10	ccyy-mm-dd	Single Event Violation	SingleEventViolationSubmission	SingleEventViolation	Y			

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
SingleEventViol ationStartDate	<SingleEventViola tionStartDate>200 7-12- 31</SingleEventVi olationStartDate>	No	No	The date the single event violation began.	xsd:date	10	10	ccyy-mm-dd	Single Event Violation	SingleEventViol ationSubmissio n	SingleEventV iolation	Y		SVDT	Actual_Date
SiteOwnerConta ct	<SiteOwnerConta ct> <> </SiteOwnerConta ct>	No	Yes	The parent of site owner contact elements					Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture				
SIUsNotInspect ed	<SIUsNotInspecte d>53</SIUsNotIns pected>	No	No	The number of Significant Industrial Users not inspected by the Pretreatment Control Authority in the past calendar year.	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection	Y		NOIN	SIUs_Not_Inspect ed_or_Sampled
SIUsNotSample d	<SIUsNotSampled >96</SIUsNotSam pled>	No	No	The number of Significant Industrial Users not sampled by the Pretreatment Control Authority in the past calendar year.	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection	Y		NINF	SIUs_Not_Sample d_or_Inspected_at _Required_Freque ncy
SIUsOnSchedul e	<SIUsOnSchedule >5</SIUsOnSched ule>	No	No	The number of Significant Industrial Users currently required to meet schedules.	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection			SOCS	SIUS_on_Complia nce_Schedules
SIUsSNCPublis hedInNewspape r	<SIUsSNCPublish edInNewspaper>3 0</SIUsSNCPubli shedInNewspaper >	No	No	The number of Significant Industrial Users currently in significant non- compliance for the past year published by the Pretreatment Control Authority in the largest local daily newspaper located in the municipality served by the	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection	Y		SVPU	SIUs_with_Signific ant_Violations_Pu blished_in_Newsp aper

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				Control Authority.											
SIUsSNCWithPr etreatmentSche dule	<SIUsSNCWithPr etreatmentSchedu le>85</SIUsSNC WithPretreatment Schedule>	No	No	The total number of Significant Industrial Users currently in significant non-compliance with the pretreatment schedules, violating schedule milestones by 90 days or by violating schedule reporting deadlines by 30 days..	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection	Y		SSNC	SIUs_in_SNC_wit h_Pretreatment_C ompliance_Sched ule
SIUsSNCWithPr etreatmentStand ards	<SIUsSNCWithPr etreatmentStandar ds>62</SIUsSNC WithPretreatment Standards>	No	No	The number of Significant Industrial Users currently in significant non-compliance with applicable pretreatment standards.	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection	Y		SNPS	SIUs_in_SNC_wit h_Pretreatment_St andards
SIUsSNCWithR eportingRequire ments	<SIUsSNCWithRe portingRequireme nts>77</SIUsSNC WithReportingReq uirements>	No	No	The number of Significant Industrial Users currently in significant non-compliance with applicable reporting requirements in the past year.	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection	Y		RSNC	SIUs_in_SNC_wit h_Reporting_Req uirements
SIUsWithoutCon trolMechanism	<SIUsWithoutCont rolMechanism>22 </SIUsWithoutCon trolMechanism>	No	No	The number of Significant Industrial Users for which a current control mechanism is required but not yet issued. This must be aligned with SNC policy.	xsd:integ er	4	1	positive integer	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection	Y		NOCM	Significant_Industr ial_Users_without _Control_Mechani sm

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
SolidManureLitt erGeneratedAm ount	<SolidManureLitte rGeneratedAmoun t>93750</SolidMa nureLitterGenerat edAmount>	No	No	Total amount of solid manure generated annually by the CAFO facility in gallons.	xsd:integ er	9	1	positive integer	CAFO	CAFOAnnualRe portSubmission CAFOInspectio nSubmission CAFOPermitSu bmission	CAFOAnnual Report CAFOInspecti on CAFOPermit	Y			
SolidManureLitt erTransferAmou nt	<SolidManureLitte rTransferAmount> 21780</SolidManu reLitterTransferAm ount>	No	No	Total amount of solid manure transferred annually by the CAFO facility in gallons.	xsd:integ er	9	1	positive integer	CAFO	CAFOAnnualRe portSubmission CAFOInspectio nSubmission CAFOPermitSu bmission	CAFOAnnual Report CAFOInspecti on CAFOPermit	Y			
SourceMapScal eNumber	<SourceMapScale Number>12400</ SourceMapScaleN umber>	No	No	The scale used to determine the latitude and longitude coordinates as a relationship between the distance on a map and a distance in the real world in mm:rrrr, where mm is map measure and rrrr is real world distance.	xsd:integ er	10	1		Geographic Coordinates	FacilitySubmissi on, PermittedFeatur eSubmission	GeographicC oordinates	Y	Yes	FLLS, PLLS	Source_Map_Scal e_Number
SourcePermitted FeatureDetailTe xt	<SourcePermitted FeatureDetailText >Water cooling tower</SourcePer mittedFeatureDeta ilText>	No	No	Free-form text describing the details of the source permitted feature.	xsd:strin g	200	1		Permitted Feature	PermittedFeatur eSubmission	PermittedFea ture				
SpeciesCriterion MetCode	<SpeciesCriterion MetCode>SPU</S peciesCriterionMet Code>	No	No	The basis for meeting the Endangered Species Act provisions.	xsd:strin g	3	1	See ref_species_criterion table for acceptable values	SW	SWConstruction PermitSubmissi on SWIndustrialPer mitSubmission SWMS4LargeP ermitSubmissio n SWMS4SmallP ermitSubmissio n	SWConstructi onPermit SWIndustrial Permit SWMS4Large Permit SWMS4Small Permit				
SpeciesCriticalH abitatIndicator	<SpeciesCriticalH abitatIndicator>Y< /SpeciesCriticalHa bitatIndicator>	No	No	Indicates if Endangered Species Act provisions are met.	xsd:strin g	1	1	Y N *	SW	SWConstruction PermitSubmissi on SWIndustrialPer mitSubmission	SWConstructi onPermit SWIndustrial Permit SWMS4Large				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
										SWMS4LargePermitSubmission SWMS4SmallPermitSubmission	Permit SWMS4Small Permit				
SSCSPopulationServedNumber	<SSCSPopulationServedNumber>4700</SSCSPopulationServedNumber>	No	No	The number of individuals or households that are served by the sanitary sewer collection system.	xsd:integer	9	1	positive integer	POTW Permit	POTWPermitSubmission	POTWPermit	Y			
SSOAnnualReport	<SSOAnnualReport> <> </SSOAnnualReport>	Yes	No	The parent of SSO annual report elements					SSO Annual Report	SSOAnnualReportSubmission	SSOAnnualReportData				
SSOAnnualReportData	<SSOAnnualReportData> <> </SSOAnnualReportData>	Yes	Yes	The parent of SSO annual report data elements					ICIS	SSOAnnualReportSubmission	Payload		Yes		
SSOAnnualReportReceivedDate	<SSOAnnualReportReceivedDate>2001-01-30</SSOAnnualReportReceivedDate>	Yes	No	The date the SSO event report was received by the regulatory authority.	xsd:date	10	10	ccyy-mm-dd	Common	ComplianceMonitoringLinkageSubmission SSOAnnualReportSubmission	LinkageToSSOAnnualReport SSOAnnualReport	Y			
SSOAnnualReportYear	<SSOAnnualReportYear>2005</SSOAnnualReportYear>	Yes	No	The year of the SSO event being reported.	xsd:integer	4	4	1970-2099	SSO Annual Report	SSOAnnualReportSubmission	SSOAnnualReport				
SSOEventDate	<SSOEventDate>2004-12-31</SSOEventDate>	Yes	No	The date the SSO event report was received by the regulatory authority.	xsd:date	10	10		SSO Event Report	SSOEventReportSubmission SSOInspectionSubmission ComplianceMonitoringLinkageSubmission	SSOEventReport SSOInspection LinkageToSSOEventReport	Y			
SSOEventReport	<SSOEventReport> <> </SSOEventReport>	Yes	No	The parent of SSO event report elements					SSO Event Report	SSOEventReportSubmission	SSOEventReportData				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
SSOEventReportData	<SSOEventReportData> <> </SSOEventReportData>	Yes	Yes	The parent of SSO event report data elements					ICIS	SSOEventReportSubmission	Payload		Yes		
SSOInspection	<SSOInspection> <> </SSOInspection>	Yes	No	The parent of SSO inspection elements					SSO Inspection	SSOInspection Submission	SSOInspectionData				
SSOInspectionData	<SSOInspectionData> <> </SSOInspectionData>	Yes	Yes	The parent of SSO inspection data elements					ICIS	SSOInspection Submission	Payload		Yes		
SSOMonthlyEventMonth	<SSOMonthlyEventMonth>4</SSOMonthlyEventMonth>	No	No	The month of the SSO event being reported.	xsd:integer	2	1	1-12	SSO Monthly Event Report	SSOMonthlyEventReportSubmission	SSOMonthlyEventReport				
SSOMonthlyEventReport	<SSOMonthlyEventReport> <> </SSOMonthlyEventReport>	Yes	No	The parent of SSO monthly event report elements					SSO Monthly Event Report	SSOMonthlyEventReportSubmission	SSOMonthlyEventReportData				
SSOMonthlyEventReportData	<SSOMonthlyEventReportData> <> </SSOMonthlyEventReportData>	Yes	Yes	The parent of SSO monthly event report data elements					ICIS	SSOMonthlyEventReportSubmission	Payload		Yes		
SSOMonthlyEventYear	<SSOMonthlyEventYear>2007</SSOMonthlyEventYear>	No	No	The year of the SSO event being reported.	xsd:integer	4	4	1970-2099	SSO Monthly Event Report	SSOMonthlyEventReportSubmission	SSOMonthlyEventReport				
SSOMonthlyReportReceivedDate	<SSOMonthlyReportReceivedDate>2000-01-30</SSOMonthlyReportReceivedDate>	Yes	No	The date the monthly SSO report was received by the regulatory authority.	xsd:date	10	10	ccyy-mm-dd	Common	ComplianceMonitoringLinkageSubmission SSOMonthlyEventReportSubmission	LinkageToSSOMonthlyEventReport SSOMonthlyEventReport	Y			
SSOOverflowLocationStreet	<SSOOverflowLocationStreet>Main and Broadway</SSOOverflowLocationStreet>	Yes	No	The street address location of the overflow (i.e., manhole cover, pump station). Either <SSOOverflowLoc	xsd:string	4000	1		SSO	SSOEventReportSubmission SSOInspection Submission	SSOEventReport SSOInspection	Y			

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				ationStreet> or <LatitudeMeasure > + <LongitudeMeasur e> must be in the SSO XML submission files but not all at the same time.											
SSOSteps	<SSOSteps> <> </SSOSteps>	No	Yes	The parent of SSO steps elements					SSO	SSOEventRepo rtSubmission, SSOInspection Submission	SSOEventRe port, SSOInspectio n				
SSOSystemCo mponent	<SSOSystemCom ponent> <> </SSOSystemCo mponent>	No	Yes	The parent of SSO system component elements					SSO	SSOEventRepo rtSubmission, SSOInspection Submission	SSOEventRe port, SSOInspectio n				
SSOVolume	<SSOVolume>786 7540</SSOVolum e>	No	No	The volume of the SSO event in gallons.	xsd:integ er	10	1	positive integer	SSO	SSOEventRepo rtSubmission SSOInspection Submission	SSOEventRe port SSOInspectio n				
StartDateOfAddr essAssociation	<StartDateOfAddr essAssociation>19 90-12- 31</StartDateOfA ddressAssociation >	No	No	Date on which an address began to be associated with an organization of interest.	xsd:date	10	10	ccyy-mm-dd	Address	BasicPermitSub mission, GeneralPermitS ubmission, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion,	ContactAddre ss				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on					
StartDateOfCont actAssociation	<StartDateOfCont actAssociation>19 90-12- 31</StartDateOfC ontactAssociation >	No	No	Date on which a contact began to be associated with an organization of interest.	xsd:date	10	10	ccyy-mm-dd	Contact	BasicPermitSub mission, GeneralPermitS ubmission, MasterGeneralP ermitSubmissio n, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, FormalEnforce mentActionSub mission, PermittedFeatur eSubmission, PretreatmentPe rmitSubmission, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon	Contact				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										itoringSubmissi on					
StateCode	<StateCode>AK</ StateCode>	No	No	The 2 character postal abbreviation for a State.	xsd:strin g	2	2		Compliance Monitoring	BasicPermitSub mission, GeneralPermitS ubmission, MasterGeneralP ermitSubmissio n, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, FormalEnforce mentActionSub mission, InformalEnforce mentActionSub mission, PermittedFeatur eSubmission, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on, PretreatmentPe	Contact		Yes	SSTT, ASTT, MSTT, ESTT, OSTT, RSTT	State_USPS_Cod e State

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
										rmitSubmission					
StateFacilityIdentifier	<StateFacilityIdentifier>AII4800168105</StateFacilityIdentifier>	No	No	The State's identification number for the facility.	xsd:string	12	1		Common	FacilitySubmission	Facility		Yes		
StateFederalJointIndicator	<StateFederalJointIndicator>J</StateFederalJointIndicator>	No	No	Indicates if the monitoring was performed jointly.	xsd:string	1	1	S - State F - Federal J - Joint (State/Federal) * - blank out field	Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring	Y		INSP*	Inspector_Type_Code
StateRegionCode	<StateRegionCode>ALR11</StateRegionCode>	No	No	The code that represents the region within the State. Format is generally SSRRR where SS is the State code found in ref_state and RRR is the State's region code.	xsd:string	5	1		Common	FacilitySubmission	Facility				
StateStatuteViolatedName	<StateStatuteViolatedName>Statute 503 State program for sludge</StateStatuteViolatedName>	No	No	The name of the State statute that was violated.	xsd:string	100	1		Compliance Monitoring	ComplianceMonitoringSubmission	ComplianceMonitoring	Y	Yes		
StateWaterBodyName	<StateWaterBodyName>Colorado River</StateWaterBodyName>	No	No	The name(s) of the receiving water into which the storm water flows directly. This tag may appear more than once in the XML file.	xsd:string	50	1		SW	SWConstructionPermitSubmission SWIndustrialPermitSubmission SWMS4LargePermitSubmission SWMS4SmallPermitSubmission	SWConstructionPermit SWIndustrialPermit SWMS4LargePermit SWMS4SmallPermit				
StatusCode	<StatusCode>A</StatusCode>	Yes	No	Indicates if a permit is active or inactive. Valid values are: A - Active I - Inactive	xsd:string	1	1	A - Active I - Inactive * - blank out field	Status	BasicPermitSubmission GeneralPermitSubmission	ComplianceTrackingStatus	Y		PIAC, IADT	Active_Flag

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
StatusEndDate	<StatusEndDate>1990-12-31</StatusEndDate>	No	No	The date the permit's active or inactive period ended.	xsd:date	10	10	ccyy-mm-dd	Status	future use	future use				
StatusReason	<StatusReason>Owner went bankrupt</StatusReason>	No	No	The reason the permit became active or inactive for a given status code and start date.	xsd:string	200	1		Status	BasicPermitSubmission GeneralPermitSubmission	ComplianceTrackingStatus				
StatusStartDate	<StatusStartDate>1990-12-31</StatusStartDate>	Yes	No	The date the permit's active or inactive period began.	xsd:date	10	10	ccyy-mm-dd	Status	BasicPermitSubmission GeneralPermitSubmission	ComplianceTrackingStatus	Y		ORID, IADT, PIDT,	Environmental_Interest_Start_Date, Environmental_Interest_End_Date
StayEndDate	<StayEndDate>2005-01-30</StayEndDate>	No	No	The date a stay on the permit, permit schedule or parameter limit was lifted.	xsd:date	10	10	ccyy-mm-dd	Stays	LimitsSubmission	Limits	Y			
StayReasonText	<StayReasonText>Only the parts that are referenced by the permittee will be stayed.</StayReasonText>	No	No	A narrative explanation of why the permit, permit schedule or parameter limit was stayed.	xsd:string	500	1		Stays	LimitsSubmission	Limits	Y			
StayStartDate	<StayStartDate>2001-01-20</StayStartDate>	No	No	The date a stay for the permit, permit schedule or parameter limit takes effect.	xsd:date	10	10	ccyy-mm-dd	Stays	LimitsSubmission	Limits	Y			
StepsToReducePreventMitigate	<StepsToReducePreventMitigate>B</StepsToReducePreventMitigate>	Yes	No	The code that represents the steps taken to reduce, prevent or mitigate the SSO event.	xsd:string	3	1	See ref_sso_reaction table for acceptable values	SSO	SSOEventReportSubmission, SSOInspectionSubmission	SSOSteps				
StorageTotalCapacityMeasure	<StorageTotalCapacityMeasure>740830</StorageTotalCapacityMeasure>	No	No	The total capacity of the CAFO manure litter storage structure in tons or gallons.	xsd:integer	9	1	positive integer	CAFO	CAFOInspectionSubmission, CAFOPermitSubmission	ManureLitterProcessedWastewaterStorage	Y			

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
StormWaterConstructionIndustrialInspection	<StormWaterConstructionIndustrialInspection> <> </StormWaterConstructionIndustrialInspection>	Yes if the other parent elements at this level are not present No for all others	No	The parent of storm water construction industrial inspection elements					Storm Water Inspection	SWInspectionSubmission	SWInspection				
StormWaterContact	<StormWaterContact> <> </StormWaterContact>	No	Yes	The parent of storm water contact elements					SW	SWConstructionPermitSubmission, SWEventReportSubmission, SWIndustrialPermitSubmission, SWInspectionSubmission, SWMS4LargePermitSubmission, SWMS4ProgramReportSubmission, SWMS4SmallPermitSubmission	SWConstructionPermit, SWEventReport, SWIndustrialPermit, StormWaterMS4Inspection, SWMS4LargePermit, SWMS4ProgramReport, SWMS4SmallPermit				
StormWaterMS4Inspection	<StormWaterMS4Inspection> <> </StormWaterMS4Inspection>	Yes if the other parent elements at this level are not present No for all others	No	The parent of storm water MS4 inspection elements					Storm Water Inspection	SWInspectionSubmission	SWInspection				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
StormWaterMS4 ReportReceived Date	<StormWaterMS4 ReportReceivedD ate>2006-12-31</StormWaterM S4ReportReceive dDate>	Yes	No	The date the storm water MS4 report was received by the regulatory authority.	xsd:date	10	10	ccyy-mm-dd	SW MS4 Program Report	SWMS4Progra mReportSubmis sion ComplianceMon itoringLinkageS ubmission	SWMS4Progr amReport LinkageToS WMS4Report				
StormWaterUnp ermittedConstru ctionInspection	<StormWaterUnpe rmittedConstructio nInspection> <> </StormWaterUnp ermittedConstructi onInspection>	Yes if the other parent eleme nts at this level are not prese nt No for all others	No	The parent of storm water unpermitted construction inspection elements					Storm Water Inspection	SWInspectionS ubmission	SWInspection				
SubActivity	<SubActivity> <> </SubActivity>	Yes	No	The parent of subactivity elements					Sub Activity	SubActivitySub mission	SubActivityDa ta				
SubActivityData	<SubActivityData> <> </SubActivityData >	Yes	Yes	The parent of subactivity data elements					ICIS	SubActivitySub mission	Payload		Yes		
SubActivityType Code	<SubActivityType Code>RSAGJ</S ubActivityTypeCod e>	Yes	No	The code that represents the enforcement trackng milestone or sub activity that is scheduled to be achieved (complaint/propos ed order issued, final order lodged, etc.).	xsd:strin g	5	1	See ref_sub_activity_type table for acceptable values	Sub Activity	SubActivitySub mission	SubActivity	Y			
SUODate	<SUODate>2003-12-31</SUODate>	No	No	The date the sewer use ordinance was most recently adopted at the POTW and	xsd:date	10	10	ccyy-mm-dd	Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi	Pretreatment Performance Summary PretreatmentI nspection				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				Control Authority level.						on					
SUOReference	<SUOReference> 62-1-45- A</SUOReference >	No	No	The actual sewer use ordinance number and chapter at the POTW and Control Authority level.	xsd:strin g	15	1		Pretreatment	PretreatmentPe rformanceSum marySubmissio n PretreatmentIns pectionSubmissi on	Pretreatment Performance Summary PretreatmentI nspection				
SupplementalAd dressText	<SupplementalAd dressText>Mail Code 2222A</Suppleme ntalAddressText>	No	No	The optional second line of text describing the mailing address.	xsd:strin g	50	1		Address	BasicPermitSub mission, GeneralPermitS ubmission, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWConstruction Submission, SWIndustrialSu bmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on, EffluentTradePa rtnerSubmission	ContactAddre ss EffluentTrade PartnerAddre ss		Yes	SST2, AST2, MST2, EST2, OST2, RST2	Supplemental_Ad dress_Text

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
SupplementalLo cationText	<SupplementalLoc ationText>White building across from hardware store</Supplemen talLocationText>	No	No	The optional second line of text describing the location address.	xsd:strin g	50	1		Address	FacilitySubmissi on, BasicPermitSub mission, GeneralPermitS ubmission, UnpermittedFac ilitySubmission	FacilityLocati on, Facility, UnpermittedF acility		Yes	RST2	Supplemental_Loc ation_Text
SurfaceDisposal Amount	<SurfaceDisposal Amount>5430</Su rfaceDisposalAmo unt>	No	No	The dry metric tons (DMT) of sewage sludge disposed.	xsd:integ er	8	1	positive integer	Biosolids	BiosolidsPermit Submission BiosolidsProgra mReportSubmis sion	BiosolidsPer mit BiosolidsProg ramReport	Y			
SurfaceDisposal Site	<SurfaceDisposal Site> <> </SurfaceDisposal Site>	No	No	The parent of land surface disposal site elements					Discharge Monitoring Report	DischargeMonit oringReportSub mission	DischargeMo nitoringRepor t				
SWConstruction Permit	<SWConstruction Permit> <> </SWConstruction Permit>	Yes	No	The parent of storm water construction permit elements					SW Construction Permit	SWConstruction PermitSubmissi on	SWConstructi onPermitData				
SWConstruction PermitData	<SWConstruction PermitData> <> </SWConstruction PermitData>	Yes	Yes	The parent of storm water construction permit data elements					ICIS	SWConstruction PermitSubmissi on	Payload		Yes		
SWEventReport	<SWEventReport> <> </SWEventReport >	Yes	No	The parent of storm water event report elements					SW Event Report	SWEventReport Submission	SWEventRep ortData				
SWEventReport Data	<SWEventReport Data> <> </SWEventReport Data>	Yes	Yes	The parent of storm water event report data elements					ICIS	SWEventReport Submission	Payload		Yes		
SWEventReport Link	<SWEventReport Link> <> </SWEventReport Link>	Yes if no other linkag e parent tags are prese nt	Yes	The parent of storm water event report link elements					DMR Program Report Linkage	DMRProgramR eportLinkageSu bmission	DMRProgram ReportLinkag e				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
		No for all others													
SWIndustrialPermit	<SWIndustrialPermit> <> </SWIndustrialPermit>	Yes	No	The parent of storm water industrial permit elements					SWIndustrialPermit	SWIndustrialPermitSubmission	SWIndustrialPermitData				
SWIndustrialPermitData	<SWIndustrialPermitData> <> </SWIndustrialPermitData>	Yes	Yes	The parent of storm water industrial permit data elements					ICIS	SWIndustrialPermitSubmission	Payload		Yes		
SWInspection	<SWInspection> <> </SWInspection>	Yes	No	The parent of storm water inspection elements					SW Inspection	SWInspectionSubmission	SWInspectionData				
SWInspectionData	<SWInspectionData> <> </SWInspectionData>	Yes	Yes	The parent of storm water inspection data elements					ICIS	SWInspectionSubmission	Payload		Yes		
SWMS4LargePermit	<SWMS4LargePermit> <> </SWMS4LargePermit>	Yes	No	The parent of storm water MS4 large permit elements					SW MS4 Large Permit	SWMS4LargePermitSubmission	SWMS4LargePermitData				
SWMS4LargePermitData	<SWMS4LargePermitData> <> </SWMS4LargePermitData>	Yes	Yes	The parent of storm water MS4 large permit data elements					ICIS	SWMS4LargePermitSubmission	Payload		Yes		
SWMS4ProgramReport	<SWMS4ProgramReport> <> </SWMS4ProgramReport>	Yes	No	The parent of storm water MS4 program report elements					SW MS4 Program Report	SWMS4ProgramReportSubmission	SWMS4ProgramReportData				
SWMS4ProgramReportData	<SWMS4ProgramReportData> <> </SWMS4ProgramReportData>	Yes	Yes	The parent of storm water MS4 program report data elements					ICIS	SWMS4ProgramReportSubmission	Payload		Yes		

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
SWMS4SmallPermit	<SWMS4SmallPermit> <> </SWMS4SmallPermit>	Yes	No	The parent of storm water MS4 small permit elements					SW MS4 Small Permit	SWMS4SmallPermitSubmission	SWMS4SmallPermitData				
SWMS4SmallPermitData	<SWMS4SmallPermitData> <> </SWMS4SmallPermitData>	Yes	Yes	The parent of storm water MS4 small permit data elements					ICIS	SWMS4SmallPermitSubmission	Payload		Yes		
SWPPPEvaluationBasisCode	<SWPPPEvaluationBasisCode>OFS</SWPPPEvaluationBasisCode>	No	No	The code that represents the basis for the evaluation of the storm water pollution prevention plan.	xsd:string	3	1	See ref_swppp_eval_basis table for acceptable values	SW Inspection	SWInspectionSubmission	SWConstructionIndustrialInspection				
SWPPPEvaluationDate	<SWPPPEvaluationDate>2004-01-30</SWPPPEvaluationDate>	No	No	The date the evaluation of the storm water pollution prevention plan was performed.	xsd:date	10	10	ccyy-mm-dd	SW Inspection	SWInspectionSubmission	SWConstructionIndustrialInspection				
SWPPPEvaluationDescriptionText	<SWPPPEvaluationDescriptionText>Reviewed the plan for handling stormwater</SWPPPEvaluationDescriptionText>	No	No	Free-form text describing the evaluation of the storm water pollution prevention plan.	xsd:string	4000	1		SW Inspection	SWInspectionSubmission	SWConstructionIndustrialInspection				
SystemComponent	<SystemComponent>P</SystemComponent>	Yes	No	The code that represents the system component of the collection system from which the spill occurred.	xsd:string	3	1	See ref_system_component table for acceptable values	SSO	SSOEventReportSubmission SSOInspectionSubmission	SSOSystemComponent				
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	DischargeMonitoringReportSubmission	CoDisposalSite				
Telephone	<Telephone> <> </Telephone>	No	Up to 4 times for contact	The parent of telephone elements					Contact	BasicPermitSubmission	Contact, ContactAddress				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
			parent eleme nt Up to 3 times for contac t addre ss parent eleme nt												
TelephoneExten sionNumber	<TelephoneExtens ionNumber>12215 </TelephoneExten sionNumber>	No	No	The extension number of the organization's contact telephone number.	xsd:strin g	4	1		Contact	BasicPermitSub mission, GeneralPermitS ubmission, MasterGeneralP ermitSubmissio n, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on, PretreatmentPe rmitSubmission	Telephone EffluentTrade PartnerTelep hone		Yes		

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
										EffluentTradePa rtnerSubmission					
TelephoneNumb er	<TelephoneNumb er>2025641000</ TelephoneNumber >	No	No	The telephone number of the organization's contact. Only numbers without spaces are allowed.	xsd:strin g	10	7		Contact	BasicPermitSub mission, GeneralPermitS ubmission, MasterGeneralP ermitSubmissio n, BiosolidsPermit Submission, CAFOInspectio nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on, PretreatmentPe rmitSubmission EffluentTradePa rtnerSubmission	Telephone EffluentTrade PartnerTelep hone		Yes	ETEL, OTEL	Telephone_Numb er Phone
TelephoneNumb erTypeCode	<TelephoneNumb erTypeCode>OFF </TelephoneNumb erTypeCode>	Yes	No	The type of telephone that the telephone number represents. Valid values are: Fax Home	xsd:strin g	3	1	See ref_phone_type table for acceptable values	Contact	BasicPermitSub mission, GeneralPermitS ubmission, BiosolidsPermit Submission, CAFOInspectio	Telephone EffluentTrade PartnerTelep hone		Descripti on		

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				Mobile Pager Office						nSubmission, CAFOPermitSu bmission, FacilitySubmissi on, PermittedFeatur eSubmission, SWEventReport Submission, SWInspectionS ubmission, SWMS4Progra mReportSubmis sion, SWMS4LargeP ermitSubmissio n, SWMS4SmallP ermitSubmissio n, ComplianceMon itoringSubmissi on, PretreatmentPe rmitSubmission EffluentTradePa rtnerSubmission					
TimeExceedanc eRationaleCode	<TimeExceedanceR ationaleCode>A</Ti meExceedanceRatio naleCode>	No	No	The code that represents the rationale for why time was exceeded in the storm water event.	xsd:strin g	3	1	See ref_time_exceed_rati onale table for acceptable values	SW Event Report	SWEventReport Submission	SWEventRep ort				
Title	<Title>Facility Submission</Title >	No	No	The type of submission.	xsd:strin g	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	Header	All XMLs	Header				Batch_Identificatio n

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
								Submission, Compliance Schedule Submission, CSO Event Report Submission, CSO Inspection Submission, CSO Permit Submission, 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							

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
								Submission, Single Event Violation Submission, SSO Annual Report Submission, SSO Event Report Submission, SSO Inspection Submission, SSO 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							
TotalApplication AverageFlowNu mber	<TotalApplicationA verageFlowNumb er>6780</TotalAp plicationAverageFl owNumber>	No	No	The flow a permitted facility actually had at the time of the application. This field is system-generated by summing the average flow number of all permitted features and can be overwritten with a State's value.	xsd:integ er	8	1	positive integer with floating decimal	Permit	BasicPermitSub mission GeneralPermitS ubmission	BasicPermit GeneralPermi t	Y		FLOW	Average_Design_ Flow
TotalApplication DesignFlowNum ber	<TotalApplication DesignFlowNumb er>7859</TotalAp plicationDesignFlo wNumber>	No	No	The flow a permitted facility was designed to accommodate at the time of the application. This	xsd:integ er	8	1	positive integer with floating decimal	Permit	BasicPermitSub mission GeneralPermitS ubmission	BasicPermit GeneralPermi t	Y		FLOW	Average_Design_ Flow

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
				field is system-generated by summing the design flow number of all permitted features and can be overwritten with a State's value.											
TotalNumberAcr esNMPIdentified	<TotalNumberAcr esNMPIdentified> 1500</TotalNumb erAcresNMPIdenti fied>	No	No	The total number of acres of land identified as being under an NMP.	xsd:integ er	6	1	positive integer	CAFO Annual Report	CAFOAnnualRe portSubmission	CAFOAnnual Report	Y			
TotalNumberAcr esUsedLandApp lication	<TotalNumberAcr esUsedLandApplic ation>1500</Total NumberAcresUse dLandApplication>	No	No	The total number of acres of land used for land application of sludge.	xsd:integ er	6	1	positive integer	CAFO Annual Report	CAFOAnnualRe portSubmission	CAFOAnnual Report	Y			
TotalNumberCo disposalViolatio ns	<TotalNumberCod isposalViolations> 12</TotalNumber CodisposalViolatio ns>	No	No	The total number of co-disposal sludge quality limit violations detected.	xsd:integ er	4	1	positive integer	Biosolids Program Report	BiosolidsProgra mReportSubmis sion	BiosolidsProg ramReport			SLCD	Total_Co-diposal_Biosolids_ Violations
TotalNumberDis tributionMarketin gViolations	<TotalNumberDist ributionMarketingV iolations>5</Total NumberDistributio nMarketingViolatio ns>	No	No	The total number of distribution marketing sludge quality limit violations detected.	xsd:integ er	4	1	positive integer	Biosolids Program Report	BiosolidsProgra mReportSubmis sion	BiosolidsProg ramReport			SLVD	Total_Distribution_ Marketing_Biosoli ds_Violations
TotalNumberInci neratorViolation s	<TotalNumberInci neratorViolations> 24</TotalNumberI ncineratorViolation s>	No	No	The total number of sludge quality limit violations detected at the incinerator.	xsd:integ er	4	1	positive integer	Biosolids Program Report	BiosolidsProgra mReportSubmis sion	BiosolidsProg ramReport			SLVI	Total_Incinerator_ Biosolids_Violatio ns
TotalNumberLan dApplicationViol ations	<TotalNumberLan dApplicationViolati ons>500</TotalNu mberLandApplicati onViolations>	No	No	The total number of land application site sludege quality limits violations detected.	xsd:integ er	4	1	positive integer	Biosolids Program Report	BiosolidsProgra mReportSubmis sion	BiosolidsProg ramReport			SLVL	Total_Land_Applic ation_Biosolids_Vi olations
TotalNumberOth erSludgeViolatio ns	<TotalNumberOth erSludgeViolations >1002</TotalNum berOtherSludgeVi olations>	No	No	The total number of other sludge violations.	xsd:integ er	4	1	positive integer	Biosolids Program Report	BiosolidsProgra mReportSubmis sion	BiosolidsProg ramReport			SLOT	Total_Other_Bioso lids_Violations

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Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
TotalNumbersEachLivestock	<TotalNumbersEachLivestock>15</TotalNumbersEachLivestock>	No	No	The number of animals for the given animal type at the CAFO facility.	xsd:integer	9	1	positive integer	CAFO	CAFOAnnualReportSubmission, CAFOInspectionSubmission, CAFOPermitSubmission	ReportedAnimalType AnimalType	Y			
TotalNumberSludgeRelatedManagementPracticeViolations	<TotalNumberSludgeRelatedManagementPracticeViolations>600</TotalNumberSludgeRelatedManagementPracticeViolations>	No	No	The total number of sludge related management practice sludge quality limit violations detected.	xsd:integer	4	1	positive integer	Biosolids Program Report	BiosolidsProgramReportSubmission	BiosolidsProgramReport			SLVP	Total_Management_Practices_Biosolids_Violations
TotalNumberSurfaceDisposalViolations	<TotalNumberSurfaceDisposalViolations>332</TotalNumberSurfaceDisposalViolations>	No	No	The total number of surface disposal sludge quality limit violations detected.	xsd:integer	4	1	positive integer	Biosolids Program Report	BiosolidsProgramReportSubmission	BiosolidsProgramReport			SLVS	Total_Surface_Disposal_Biosolids_Violations
TotalRemovedAmount	<TotalRemovedAmount>290</TotalRemovedAmount>	No	No	The total dry metric tons (DMT) of sewage sludge reomvoed from the treatment works for management.	xsd:integer	8	1	positive integer	Biosolids	BiosolidsPermitSubmission BiosolidsProgramReportSubmission	BiosolidsPermit BiosolidsProgramReport				
TradeID	<TradeID>448457</TradeID>	Yes	No	The unique identifier for the trade partner.	xsd:string	30	1		Effluent Trade Partner	EffluentTradePartnerSubmission	EffluentTradePartner				
TradePartnerEndDate	<TradePartnerEndDate>2010-12-31</TradePartnerEndDate>	No	No	The date the trading partner assocation with the limit ended.	xsd:date	10	10	ccyy-mm-dd	Effluent Trade Partner	EffluentTradePartnerSubmission	EffluentTradePartner				
TradePartnerNPDESID	<TradePartnerNPDESID>ZZ1057982</TradePartnerNPDESID>	Yes	No	The NPDES identification number of the trading partner.	xsd:string	9	9		Key Elements	EffluentTradePartnerSubmission	EffluentTradePartner				
TradePartnerOtherID	<TradePartnerOtherID>PP2467F234</TradePartnerOtherID>	Yes	No	The other identification number of the trading partner.	xsd:string	30	1		Effluent Trade Partner	EffluentTradePartnerSubmission	EffluentTradePartner				

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	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
TradePartnerStartDate	\<TradePartnerStartDate\>2004-12-31\</TradePartnerStartDate\>	No	No	The date the trading partner association with the limit began.	xsd:date	10	10	ccyy-mm-dd	Effluent Trade Partner	EffluentTradePartnerSubmission	EffluentTradePartner				
TradePartnerType	\<TradePartnerType\>NPS\</TradePartnerType\>	No	No	The code that represent the type of trading partner (i.e., point source, non-point source).	xsd:string	3	1	See ref_trade_partner_type table for acceptable values	Effluent Trade Partner	EffluentTradePartnerSubmission	EffluentTradePartner				
TransactionHeader	\<TransactionHeader\>\<\>\</TransactionHeader\>	Yes	Yes	The parent of transaction header elements					Header	All XMLs	BasicPermitData, BiosolidsPermitData, BiosolidsProgramReportData, CAFOAnnualReportData, CAFOInspectionData, CAFOPermitData, ComplianceMonitoringLinkageData, ComplianceMonitoringData, ComplianceScheduleData, CSOEventReportData, CSOInspectionData, CSOPermitData, DischargeMonitoringReportData, DMRViolationData, DMRProgramReportLinkageData, EffluentTradePartnerData, EnforcementActionViolatio		Yes		

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
											nKeyData, FacilityData, FormalEnforc ementAction Data, GeneralPermi tData, InformalEnfor cementAction Data, LimitSetData, LimitsData, LocalLimitsPr ogramReport Data, MasterGener alPermitData, NarrativeCon ditionData, PermitSched uleData, PermittedFea tureData, PermitTrackin gEventData, PretreatmentI nspectionDat a, Pretreatment PermitData, Pretreatment Performance SummaryDat a, ScheduleEve ntViolationDa ta, SingleEventV iolationData, SSOAnnualR eportData, SSOEventRe portData, SSOInspectio nData, SSOMonthly EventReport Data, POTWPermit				

Element Name	Example	Requi red	Repea table	Description	XML Data Type	Schema Max Restricti on	Schema Min Restricti on	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standar d	PCS Acrony m	IDEF Tag Name
											Data, SubActivityDa ta, SWConstructi onPermitData , SWEventRep ortData, SWIndustrial PermitData, SWInspection Data, SWMS4Large PermitData, SWMS4Progr amReportDat a, SWMS4Small PermitData, UnpermittedF acilityData				
TransactionTime stamp	<TransactionTime stamp>2001-12-17T09:30:47-05:00</Transactio nTimestamp>	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:strin g	25	25	ccyy-mm-ddThh:mm:ss-99:00	Header	All XMLs	TransactionH eader				
TransactionType	<TransactionType >N</TransactionT ype>	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 - these allow conditional deletions only.	xsd:strin g	1	1	C - Change D - Delete N - New R - Replace X - Mass Delete	Header	All XMLs	TransactionH eader				Transaction_Type

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
TransferredAmount	<TransferredAmount>678</TransferredAmount>	No	No	The dry metric tons (DMT) of sewage sludge removed from the treatment works to another facilty for treatment/management.	xsd:integer	8	1	positive integer	Biosolids	BiosolidsPermitSubmission BiosolidsProgramReportSubmission	BiosolidsPermit BiosolidsProgramReport				
TribalLandCode	<TribalLandCode>T905</TribalLandCode>	No	No	The code that represents the Bureau of Indian Affairs (BIA) tribal land.	xsd:string	4	1	See ref_tribal_land table for acceptable values	Facility	FacilitySubmission	Facility	Y		HQ01*	
UnpermittedFacility	<UnpermittedFacility> <> </UnpermittedFacility>	Yes	No	The parent of unpermitted facility elements					Unpermitted Facility	UnpermittedFacilitySubmission	UnpermittedFacilityData				
UnpermittedFacilityData	<UnpermittedFacilityData> <> </UnpermittedFacilityData>	Yes	Yes	The parent of unpermitted facility data elements					ICIS	UnpermittedFacilitySubmission	Payload		Yes		
UnscheduledLimitSet	<UnscheduledLimitSet> <> </UnscheduledLimitSet>	Yes if the scheduled limit set parent tag is not present and adding or changing No for all others	No	The parent of unscheduled limit set elements					Limit Set	LimitSetSubmission	LimitSet				
UrbanizedAreaIncorporatedPlaceName	<UrbanizedAreaIncorporatedPlaceName>Greater Los Angeles</UrbanizedAreaIncorporatedPlaceName>	No	No	The name of the applicable census bureau place, incorporated place, or urbanized area.	xsd:string	50	1		SW	SWMS4LargePermitSubmission SWMS4SmallPermitSubmission	SWMS4LargePermit SWMS4SmallPermit				

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
value	<value>doe.john@state.us</value>	Yes if the <name> tag is present	No	If the <name> tag is set to "e-mail" this tag should contain the e-mail address of the person to send submission status e-mail notifications to. If the <name> tag is set to "Source" this tag should contain either "NetDMR" if the submitter is NetDMR or "e-DMR" if the submitter is a state's e-DMR system.	xsd:string	no max	1	NetDMR e-DMR any e-mail address	Header	All XMLs	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	DischargeMonitoringReportSubmission	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	DischargeMonitoringReportSubmission	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	DischargeMonitoringReportSubmission	LandApplicationSite, SurfaceDisposalSite	Y			
ViolationIUScheduleForRemedialMeasures	<ViolationIUScheduleForRemedialMeasures>Y</ViolationIUScheduleForRemedialMeasures>	No	No	Indicatesif there has been a violation of any schedule issued by the Pretreatment Control Authority for implementation of needed remedial measures identified as a result of audits or inspections.	xsd:string	1	1	Y N *	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary PretreatmentInspection			VSCH	Violation_of_Schedule_for_Remedial_Measures_Flag

Element Name	Example	Required	Repeatable	Description	XML Data Type	Schema Max Restriction	Schema Min Restriction	Business Rules	Schema File Name	XML Instance Document	Module	RIDE	EPA Data Standard	PCS Acronym	IDEF Tag Name
ViolationNoticesIssuedToSIUs	<ViolationNoticesIssuedToSIUs>38</ViolationNoticesIssuedToSIUs>	No	No	The number of formal notices of violation or equivalent actions that have been issued by the Pretreatment Control Authority to Significant Industrial Users in the past year.	xsd:integer	15	1	positive integer	Pretreatment	PretreatmentPerformanceSummarySubmission PretreatmentInspectionSubmission	Pretreatment Performance Summary Pretreatment Inspection	Y		VINO	Violation_Notices_Issued_to_SIUs
VolumeDischargeSample	<VolumeDischargeSample>885</VolumeDischargeSample>	No	No	The number of gallons stormwater discharged at the outfall.	xsd:integer	3	1	positive integer	SW Event Report	SWEventReportSubmission	SWEventReport				
VolumeSSOEventsPerYear	<VolumeSSOEventsPerYear>4678</VolumeSSOEventsPerYear>	No	No	The total volume of SSO events that reach US waters per year in gallons.	xsd:integer	9	1	positive integer	SSO Annual Report	SSOAnnualReportSubmission	SSOAnnualReport				
VolumeSSOEventsReachUSWatersPerMonth	<VolumeSSOEventsReachUSWatersPerMonth>4689</VolumeSSOEventsReachUSWatersPerMonth>	No	No	The total volume of SSOs that reach US waters per month in gallons.	xsd:integer	8	1	positive integer	SSO Monthly Event Report	SSOMonthlyEventReportSubmission	SSOMonthlyEventReport				
WellNumber	<WellNumber>17</WellNumber>	No	No	The identification number of the well where the nitrate groundwater monitoring sample was taken.	xsd:integer	5	1	positive integer	Permitted Feature	PermittedFeatureSubmission	PermittedFeature				