

Submitting Emissions in the EIS

October 14, 2009

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Agenda

- Point Emissions
- Airports
- Onroad/Nonroad
 - NCD
 - Emissions
- Nonpoint
- Events, Commercial Marine Vessels, & Locomotives – to be covered on a later webinar.

Point Emissions

- Can not be done on the EIS Gateway
 - Edit functionality in future
- Using the staging tables and the Bridge Tool
 - Facility Site, Emission Unit, Emissions Process, Reporting Period, Emissions, CERs, and Exchange Header, tables

Field Name	Data Type	Description
FacilitySiteIdentifier	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-STATE FACILITY_IDENTIFIER
FacilitySiteProgramSystemCo	Text	EIS Component-FacilityIdentification. New Data Element
StateAndCountyFIPSCo	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-STATE
TribalCode	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-TRIBAL
StateAndCountryFIPSCo	Text	EIS Component-FacilityIdentification. New Data Element
EISFacilitySiteIdentifier	Text	EIS Component-FacilityIdentification. New Data Element
EffectiveDate	Text	EIS Component-FacilityIdentification. New Data Element
EndDate	Text	EIS Component-FacilityIdentification. New Data Element
OrganizationName	Text	EIS Component-AffiliationOrganization. New Data Element
AffiliationTypeCode	Text	EIS Component-FacilitySiteAffiliation. New Data Element
FacilityCategoryCode	Text	EIS Component-FacilitySite. Replaces: SIPOINT-FACILITY_CATEGORY
FacilitySiteName	Text	EIS Component-FacilitySite. Replaces: SIPOINT-FACILITY_NAME
FacilitySiteDescription	Text	EIS Component-FacilitySite. Replaces: SIPOINT-SITE_DESCRIPTION
FacilitySiteStatusCode	Text	EIS Component-FacilitySite. New Data Element
FacilitySiteStatusCodeYear	Text	EIS Component-FacilitySite. New Data Element
FacilitySiteComment	Memo	EIS Component-FacilitySite. New Data Element
NAICSCode	Text	EIS Component-FacilitySite. Replaces: SIPOINT-NAICS_PRIMARY
LocationAddressText	Text	EIS Component-FacilitySiteAddress. Replaces: SIPOINT-LOCATION ADDRESS
SupplementalLocationText	Text	EIS Component-FacilitySiteAddress. New Data Element
LocalityName	Text	EIS Component-FacilitySiteAddress. Replaces: SIPOINT-CITY

Facility Site Table – Minimum Required
Facility Site Identifier
Facility Site Program System Code
State and County FIPS Code, or Tribal Code

OR

EIS Facility Site Identifier

-If you have already populated these tables as part of your facility submission, you do not have to complete the Facility Site, Unit or Process tables as part of your point emissions submission.

- You can not submit emissions for a facility, unit and process that does not already exist in the EIS!

Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes

The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.

Field Name	Data Type	Description
FacilitySiteIdentifier	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-STATE_FACILITY_IDENTIFIER
FacilitySiteProgramSystemCo	Text	EIS Component-FacilityIdentification. New Data Element
StateAndCountyFIPSCo	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-STATE
TribalCode	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-TRIBAL
StateAndCountryFIPSCo	Text	EIS Component-FacilityIdentification. New Data Element
UnitIdentifier	Text	EIS Component-UnitIdentification. Replaces: EUPOINT-EMISSION
UnitProgramSystemCode	Text	EIS Component-UnitIdentification. New Data Element
EISFacilitySiteIdentifier	Text	EIS Component-FacilityIdentification. New Data Element
EISEmissionsUnitIdentifier	Text	EIS Component-UnitIdentification. New Data Element
EffectiveDate	Text	EIS Component-UnitIdentification. New Data Element
EndDate	Text	EIS Component-UnitIdentification. New Data Element
UnitDescription	Text	EIS Component-EmissionsUnit. Replaces: EUPOINT-EMISSION UN
UnitTypeCode	Text	EIS Component-EmissionsUnit. New Data Element
UnitDesignCapacity	Text	EIS Component-EmissionsUnit. Replaces: EUPOINT-DESIGN CAPA
UnitDesignCapacityUnitofMea	Text	EIS Component-EmissionsUnit. Replaces: EUPOINT-DESIGN CAPA
UnitStatusCode	Text	EIS Component-EmissionsUnit. New Data Element
UnitStatusCodeYear	Text	EIS Component-EmissionsUnit. New Data Element
UnitOperationDate	Text	EIS Component-EmissionsUnit. New Data Element
UnitComment	Memo	EIS Component-EmissionsUnit. New Data Element

Emission Unit Table – Minimum Required
Facility Site Identifier
Facility Site Program System Code
State and County FIPS Code, or Tribal Code
Unit Identifier
Unit Program System Code

OR

EIS Facility Site Identifier
EIS Emission Unit Identifier

Field Properties

Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.

Field Name	Data Type	Description
FacilitySiteIdentifier	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-STATE_FACILITY_IDENTIFIER
FacilitySiteProgramSystemCode	Text	EIS Component-FacilityIdentification. New Data Element
StateAndCountyFIPSCode	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-STATE_AND_COUNTY_CODE
TribalCode	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-TRIBAL_CODE
StateAndCountryFIPSCode	Text	EIS Component-FacilityIdentification. New Data Element
UnitIdentifier	Text	EIS Component-UnitIdentification. Replaces: EUPOINT-EMISSIONS_UNIT_ID
UnitProgramSystemCode	Text	EIS Component-UnitIdentification. New Data Element
EmissionsProcessIdentifier	Text	EIS Component-EmissionsProcessIdentification. Replaces: EPOPOINT-PROCESS_IDENTIFIER
ProcessProgramSystemCode	Text	EIS Component-ProcessIdentification. New Data Element
EISFacilitySiteIdentifier	Text	EIS Component-FacilityIdentification. New Data Element
EISEmissionsUnitIdentifier	Text	EIS Component-UnitIdentification. New Data Element
EISEmissionsProcessIdentifier	Text	EIS Component-ProcessIdentification. New Data Element
EffectiveDate	Text	EIS Component-ProcessIdentification. New Data Element
EndDate	Text	EIS Component-ProcessIdentification. New Data Element
SourceClassificationCode	Text	EIS Component-EmissionsProcess. Replaces: EPOPOINT-SCC
AircraftEngineTypeCode	Text	EIS Component-EmissionsProcess. New Data Element
ProcessDescription	Text	EIS Component-EmissionsProcess. Replaces: EPOPOINT-EMISSION_PROCESS_DESCRIPTION
LastEmissionsYear	Text	EIS Component-EmissionsProcess. New Data Element
ProcessComment	Memo	EIS Component-EmissionsProcess. New Data Element

Emission Process Table – Minimum Required

Facility Site Identifier
Facility Site Program System Code
State and County FIPS Code, or Tribal Code
Unit Identifier
Unit Program System Code
Emissions Process Identifier
Process Program System Code

OR

EIS Facility Site Identifier
EIS Emission Unit Identifier
EIS Emissions Process Identifier

Field Properties

General	Lookup
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.

Where is Release Point Identifier?

- Emissions associated with Process IDs
- Facility Inventory – Process- Release Point
- Release Point Apportionment – Not needed.

Field Name	Data Type	Description
FacilitySiteIdentifier	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-STATE_FACILITY_IDENTIFIER
FacilitySiteProgramSystemCo	Text	EIS Component-FacilityIdentification. New Data Element
StateAndCountyFIPSCo	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-STATE_AND_COUNTY
TribalCode	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-TRIBAL_CODE
StateAndCountryFIPSCo	Text	EIS Component-FacilityIdentification. New Data Element
UnitIdentifier	Text	EIS Component-UnitIdentification. Replaces: EUPOINT-EMISSIONS_UNIT_ID
UnitProgramSystemCode	Text	EIS Component-UnitIdentification. New Data Element
EmissionsProcessIdentifier	Text	EIS Component-EmissionsProcessIdentification. Replaces: EPPOINT-PROCESS ID
ProcessProgramSystemCode	Text	EIS Component-ProcessIdentification. New Data Element
EISFacilitySiteIdentifier	Text	EIS Component-FacilityIdentification. New Data Element
EISEmissionsUnitIdentifier	Text	EIS Component-UnitIdentification. New Data Element
EISEmissionsProcessIdentifier	Text	EIS Component-ProcessIdentification. New Data Element
ReportingPeriodTypeCode	Text	EIS Component-ReportingPeriod. New Data Element
StartDate	Text	EIS Component-ReportingPeriod. Replaces: PEPOINT-START DATE (Only applic
EndDate	Text	EIS Component-ReportingPeriod. Replaces: PEPOINT-END DATE (Only applicabl
EmissionOperatingTypeCode	Text	EIS Component-ReportingPeriod. New Data Element
CalculationParameterTypeCo	Text	EIS Component-ReportingPeriod. Replaces: PEPOINT-MATERIAL I/O
CalculationParameterValue	Text	EIS Component-ReportingPeriod. Replaces: PEPOINT-ACTUAL THROUGHPUT
CalculationParameterUnitofM	Text	EIS Component-ReportingPeriod. Replaces: PEPOINT-THROUGHPUT UNIT NUME
CalculationMaterialCode	Text	EIS Component-ReportingPeriod. Replaces: PEPOINT-MATERIAL
CalculationDataYear	Text	EIS Component-ReportingPeriod. New Data Element
CalculationDataSource	Text	EIS Component-ReportingPeriod. New Data Element
ReportingPeriodComment	Memo	EIS Component-ReportingPeriod. New Data Element

Reporting Period Table – Minimum Required

Facility Site Identifier
Facility Site Program System Code
State and County FIPS Code, or Tribal Code
Unit Identifier
Unit Program System Code
Emissions Process Identifier
Process Program System Code

OR

EIS Facility Site Identifier
EIS Emission Unit Identifier
EIS Emissions Process Identifier

AND

Reporting Period Type Code
Emissions Operating Type Code

Field Properties

General	Lookup
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	Yes (Duplicates OK)
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.

Field Name	Data Type	Description
FacilitySiteIdentifier	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-STATE_FACILITY_IDENTIFIER
FacilitySiteProgramSystemCo	Text	EIS Component-FacilityIdentification. New Data Element
StateAndCountyFIPSCode	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-STATE_AND_COUNTY
TribalCode	Text	EIS Component-FacilityIdentification. Replaces: SIPOINT-TRIBAL_CODE
StateAndCountryFIPSCode	Text	EIS Component-FacilityIdentification. New Data Element
UnitIdentifier	Text	EIS Component-UnitIdentification. Replaces: EUPOINT-EMISSIONS_UNIT_ID
UnitProgramSystemCode	Text	EIS Component-UnitIdentification. New Data Element
EmissionsProcessIdentifier	Text	EIS Component-EmissionsProcessIdentification. Replaces: EPPOINT-PROCESS ID
ProcessProgramSystemCode	Text	EIS Component-ProcessIdentification. New Data Element
EISFacilitySiteIdentifier	Text	EIS Component-FacilityIdentification. New Data Element
EISEmissionsUnitIdentifier	Text	EIS Component-UnitIdentification. New Data Element
EISEmissionsProcessIdentifier	Text	EIS Component-ProcessIdentification. New Data Element
ReportingPeriodTypeCode	Text	EIS Component-ReportingPeriod. New Data Element
EmissionOperatingTypeCode	Text	EIS Component-ReportingPeriod. New Data Element
PollutantCode	Text	EIS Component-Emissions. Replaces: EMPOINT-POLLUTANT CODE
TotalEmissions	Text	EIS Component-Emissions. Replaces: EMPOINT-EMISSION NUMERIC VALUE
EmissionsUnitofMeasureCode	Text	EIS Component-Emissions. Replaces: EMPOINT-EMISSION UNIT NUMERATOR
EmissionFactor	Text	EIS Component-Emissions. Replaces: EMPOINT-FACTOR NUMERIC VALUE
EmissionFactorNumeratorUnit	Text	EIS Component-Emissions. Replaces: EMPOINT-FACTOR UNIT NUMERATOR
EmissionFactorDenominatorU	Text	EIS Component-Emissions. Replaces: EMPOINT-FACTOR UNIT DENOMINATOR
EmissionFactorText	Text	EIS Component-Emissions. New Data Element
EmissionCalculationMethodCc	Text	EIS Component-Emissions. Replaces: EMPOINT-EMISSION CALC METHOD CODE
EmissionsComment	Memo	EIS Component-Emissions. New Data Element

Emissions Table – Minimum Required

Facility Site Identifier
Facility Site Program System Code
State and County FIPS Code, or Tribal Code
Unit Identifier
Unit Program System Code
Emissions Process Identifier
Process Program System Code

OR

EIS Facility Site Identifier
EIS Emission Unit Identifier
EIS Emissions Process Identifier

AND

Reporting Period Type Code
Emissions Operating Type Code
Pollutant Code
Total Emissions
Emissions Unit of Measure Code
Emission Calculation Method Code

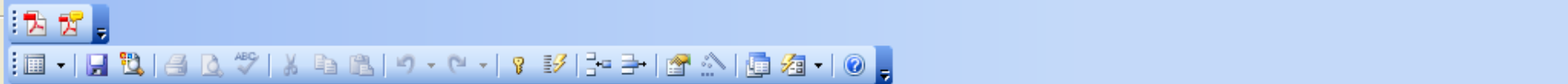
Field Properties

General	Lookup
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	Yes (Duplicates OK)
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.

Optional Components

- Operating Details
 - Seasonal Activity Percentages must equal 100
- Supplemental Calculation Parameter
 - If reported, must be associated with a fuel combustion SCC
 - Supplemental Calculation Parameter Type – Heat Content, Percent Sulfur Content, Percent Ash Content



Field Name	Data Type	Description
AuthorName	Text	Exchange Header Component
OrganizationName	Text	Exchange Header Component
DocumentTitle	Text	Exchange Header Component
Keywords	Text	Exchange Header Component
Comment	Text	Exchange Header Component
DataFlowName	Text	Exchange Header Component
Property-SubmissionType	Text	Exchange Header Component
Property-DataCategory	Text	Exchange Header Component
Property-NCDDataFile	Text	Exchange Header Component

Exchange Header Table – Minimum Required
Author Name – Your name
Organization Name – Your agency
Document Title – Must be “EIS”
Data Flow Name – Must be “EIS_v1_0
Property Submission Type – QA or Production
Property Data Category – Point, Nonpoint, Onroad, Nonroad, Event

Field Properties

General	Lookup
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.

Recap of Point Emissions

- Minimum tables required to report
 - Facility Site
 - Emission Unit
 - Emission Process
 - Reporting Period
 - Emissions
 - CERS
 - Exchange Header

Must report Controls if Present

- Will be discussed in the Nonpoint portion of this presentation

Airport Emissions

- EPA has provided activity (LTO) and estimated aircraft-related emissions
- Only submit if there are changes
- Airports with multiple facilities
- All other airport emissions – Nonpoint
- Lead emissions
- Onroad Vehicle Traffic
- Nonroad Equipment
- Only 10 digit SCCs will be accepted

Possible Pitfalls

- Facility not in EIS prior to submittal
- Facility Site Status Code
- Reporting Period – Emission Operating Type Code
- Submit CAP/HAP together

Data Analysis

- EPA to start analysis June 2, 2010.
- Findings to S/L/Ts
- No revisions of data
- EPA to post draft July 13, 2010
- Comment period July 13 – November 1, 2010
- EPA starts analysis again November 2, 2010
- Final inventory released to the public December 31, 2010

Onroad/Nonroad

NCD Submissions

NMIM County Database (NCD) Submission

- State level files will be available at <http://www.epa.gov/ttn/chief/net/2008inventory.html>
- Modify only what has changed
- Include changed and unchanged tables within your submission.

Process for NCD

- State and locals should download their files to their local systems
- Replace defaults
- Can not submit model input files –
MOBILE6

Submitting NCD Files

- Minimum needed to submit
 - CERS table
 - Exchange Header table
 - Location component
 - All NCD and reference files zipped.

Field Name	Data Type	Description
AuthorName	Text	Exchange Header Component
OrganizationName	Text	Exchange Header Component
DocumentTitle	Text	Exchange Header Component
Keywords	Text	Exchange Header Component
Comment	Text	Exchange Header Component
DataFlowName	Text	Exchange Header Component
Property-SubmissionType	Text	Exchange Header Component
Property-DataCategory	Text	Exchange Header Component
Property-NCDDataFile	Text	Exchange Header Component

The name of the zipped NCD tables and reference files. (For example: 37.Zip for North Carolina; 37021.zip for Buncombe county North Carolina)



Field Properties

General Lookup

Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.

NCD Inputs and the QA Environment

- Files should be sent to QA prior to submittal
- Critical Error – Reject entire file
- Submit entire State or a Single County
- Submit CAP and HAP together

NCD Emissions

- EPA will generate emissions from updated inputs using NMIM
- Comment period will be on a State by State basis.

Onroad/Nonroad

Emissions

Minimum to Report

- Location
- Location Emissions Process
- Reporting Period
- Emissions

Field Name	Data Type	Description
StateAndCountyFIPSCode	Text	EIS Component-Location. Replaces: PEONROAD-STATE AND COUNTY FIPS CODE
TribalCode	Text	EIS Component-Location. Replaces: PEONROAD-TRIBAL CODE
StateAndCountryFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
ShapeIdentifier	Text	EIS Component-Location. New Data Element
SourceClassificationCode	Text	EIS Component-EmissionsProcess. Replaces: PEONROAD-SCC
EmissionsTypeCode	Text	EIS Component-EmissionsProcess. New Data Element
ProcessComment	Memo	EIS Component-EmissionsProcess. New Data Element

Emissions Process Table – Minimum Required
State and County FIPS
OR
Tribal Code

AND

Source Classification Code
Emissions Type Code

Field Properties

General Lookup

The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.

Field Name	Data Type	Description
StateAndCountyFIPSCode	Text ←	EIS Component-Location. Replaces: PEONROAD-STATE AND COUNTY FIPS CODE
StateAndCountyFIPSCode	Text ←	EIS Component-Location. Replaces: PEONROAD-TRIBAL CODE
StateAndCountyFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
ShapeIdentifier	Text	EIS Component-Location. New Data Element
SourceClassificationCode	Text ←	EIS Component-EmissionsProcess. Replaces: PEONROAD-SCC
EmissionsTypeCode	Text ←	EIS Component-EmissionsProcess. New Data Element
ReportingPeriodTypeCode	Text ←	EIS Component-ReportingPeriod. New Data Element
CalculationParameterTypeCode	Text ←	EIS Component-ReportingPeriod. Replaces: PEONROAD-CP
CalculationParameterValue	Text ←	EIS Component-ReportingPeriod. Replaces: PEONROAD-CP
CalculationParameterUnitofMeasure	Text ←	EIS Component-ReportingPeriod. Replaces: PEONROAD-CP
CalculationMaterialCode	Text ←	EIS Component-ReportingPeriod. Replaces: PEONROAD-CP
CalculationDataYear	Text ←	EIS Component-ReportingPeriod. New Data Element
CalculationDataSource	Text ←	EIS Component-ReportingPeriod. New Data Element
ReportingPeriodComment	Memo	EIS Component-ReportingPeriod. New Data Element

Reporting Period Table – Minimum Required
State and County FIPS
OR
Tribal Code

AND

Source Classification Code
Emissions Type Code

AND

Reporting Period Code
Calculation Parameter Type Code (OR Only)
Calculation Parameter Value (OR Only)
Calculation Parameter Unit of Measure (OR ONLY)
Calculation Material Code (OR ONLY)
Calculation Data Year (OR ONLY)
Calculation Data Source (OR ONLY)

General Lookup

Field Size: 255

Field Name: []

Field Mask: []

Field Caption: []

Field Description: []

Field Default Value: []

Field Validation Rule: []

Field Validation Text: []

Field Required: No

Field Allow Zero Length: Yes

Field Indexed: Yes (Duplicates OK)

Field Code Compression: No

Field Mode: No Control

Field Sentence Mode: None

Field Sort Tags: []

The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.

Field Name	Data Type	Description
StateAndCountryFIPSCode	Text	EIS Component-Location. Replaces: PEONROAD-STATE AND COUNTY FIPS CODE
TribalCode	Text	EIS Component-Location. Replaces: PEONROAD-TRIBAL CODE
StateAndCountryFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
ShapeIdentifier	Text	EIS Component-Location. New Data Element
LocationTypeCode	Text	EIS Component-ExcludedLocationParameter. New Data Element
LocationParameter	Text	EIS Component-ExcludedLocationParameter. New Data Element
LocationComment	Memo	EIS Component-ExcludedLocationParameter. New Data Element

Excluded Location Table – Optional
State and County FIPS
 OR
Tribal Code

AND

Location Type Code
Location Parameter

Field Properties

General		Lookup	
Format			
Caption			
Default Value	""		
Validation Rule			
Validation Text			
Required	No		
Allow Zero Length	Yes		
Indexed	No		
Unicode Compression	No		
IME Mode	No Control		
IME Sentence Mode	None		
Smart Tags			

The field description is optional. It helps you describe the field and is also displayed in the status bar when you select this field on a form. Press F1 for help on descriptions.

Nonpoint Emissions

Section 8 of the NEIP Reporting Instructions for Nonpoint Emissions

<http://www.epa.gov/ttn/chief/net/neip/index.html>

Non-point Submittals

- EPA has estimated many emission sectors
 - Results are on Pechan website
 - Data is not currently in EIS format
 - http://projects.pechan.com/EPA/Non-Point_Emission_Estimates/index.html
- EPA worked with ERTAC Committee to develop emissions
 - Consensus on sectors, EFs, and methodologies
- EPA will use EPA data to backfill only
 - State/Local/Tribal Data, if submitted, will be used preferentially
 - EPA will review submitted S/L/T data
 - Compare against EPA data, 2002 data
- EPA will not account for point source contributions
 - S/L/T's are responsible for that
 - If submitting agencies believe all emissions are in point, suggest submitting data with zero emission values

nonpoint_bridge : Database (Access 2000 file format)

Open Design New

Objects

- Tables
- Queries
- Forms
- Reports
- Pages
- Macros
- Modules

Groups

- Favorites

- Create table in Design view
- Create table by using wizard
- Create table by entering data
- CERS
- ControlApproach
- ControlMeasure
- ControlPollutant
- Emissions
- EmissionsProcess
- ExchangeHeader
- ExcludedLocationParameter
- Location
- OperatingDetails
- Regulation
- ReportingPeriod
- SupplementalParameter

Minimum Submittal

- Contains 6 tables, which are CERS, Exchange Header and 4 others
 - Location
 - Emissions Process
 - Reporting Period
 - Emissions

Emissions : Table		
Field Name	Data Type	Description
StateAndCountryFIPSCode	Text	EIS Component-Location. Replaces: EPNONPOINT-STATE AND COUNTY FIPS CODE
TribalCode	Text	EIS Component-Location. Replaces: EPNONPOINT-TRIBAL CODE
StateAndCountryFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
ShapeIdentifier	Text	EIS Component-Location. New Data Element
SourceClassificationCode	Text	EIS Component-LocationEmissionsProcess. Replaces: EPNONPOINT-SCC
ReportingPeriodTypeCode	Text	EIS Component-ReportingPeriod. New Data Element
PollutantCode	Text	EIS Component-ReportingPeriodEmissions. Replaces: EMNONPOINT-POLLUTANT CODE
TotalEmissions	Text	EIS Component-ReportingPeriodEmissions. Replaces: EMNONPOINT-EMISSION NUMERIC VALUE
EmissionsUnitofMeasureCode	Text	EIS Component-ReportingPeriodEmissions. Replaces: EMNONPOINT-EMISSION UNIT NUMERATOR
EmissionFactor	Text	EIS Component-ReportingPeriodEmissions. Replaces: EMNONPOINT-FACTOR NUMERIC VALUE
EmissionFactorNumeratorUnit	Text	EIS Component-ReportingPeriodEmissions. Replaces: EMNONPOINT-FACTOR UNIT NUMERATOR
EmissionFactorDenominatorU	Text	EIS Component-ReportingPeriodEmissions. Replaces: EMNONPOINT-FACTOR UNIT DENOMINATOR
EmissionFactorText	Text	EIS Component-ReportingPeriodEmissions. New Data Element
EmissionCalculationMethodCc	Text	EIS Component-ReportingPeriodEmissions. Replaces: EMNONPOINT-EMISSION CALC METHOD CODE
EmissionsComment	Memo	EIS Component-ReportingPeriodEmissions. New Data Element

Field Properties

General	
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	Yes (Duplicates OK)
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

A field name can be up to 64 characters long, including spaces. Press F1 for help on field names.

Additional Tables

Beyond the Minimum

- Operating Details
- Regulation
- Excluded Location Parameter
- Supplemental Parameter
- Control Approach
- Control Measure
- Control Pollutant

ExcludedLocationParameter : Table

Field Name	Data Type	Description
StateAndCountyFIPSCode	Text	EIS Component-Location. Replaces: EPNONPOINT-STATE AND COUNTY FIPS CODE
TribalCode	Text	EIS Component-Location. Replaces: EPNONPOINT-TRIBAL CODE
StateAndCountryFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
CensusBlockIdentifier	Text	EIS Component-Location. New Data Element
LocationTypeCode	Text	EIS Component-ExcludedLocationParameter. New Data Element
ExcludedLocationParameter	Text	EIS Component-ExcludedLocationParameter. New Data Element
ExcludedLocationComment	Memo	EIS Component-ExcludedLocationParameter. New Data Element

Excluded Location - The purpose of this optional component is to define a geographic area within the primary geographic location for which emissions are not included in the related process/activity records. The ExcludedLocationParameter component must be submitted as a child component to its related nonpoint location. The possible levels of specificity for excluded location are limited to:
 (1) Tribal land; (2) census tract; and (3) census block. These locations may be excluded from any type of primary location that overlaps geographically.

General Lookup

Size: 255

Format:

Input Mask:

Validation:

Default Value:

Validation Rule:

Validation Text:

Required: No

Zero Length: Yes

Indexed: Yes (Duplicates OK)

Code Compression: No

Mode: No Control

Sentence Mode: None

Text Tags:

Regulation : Table

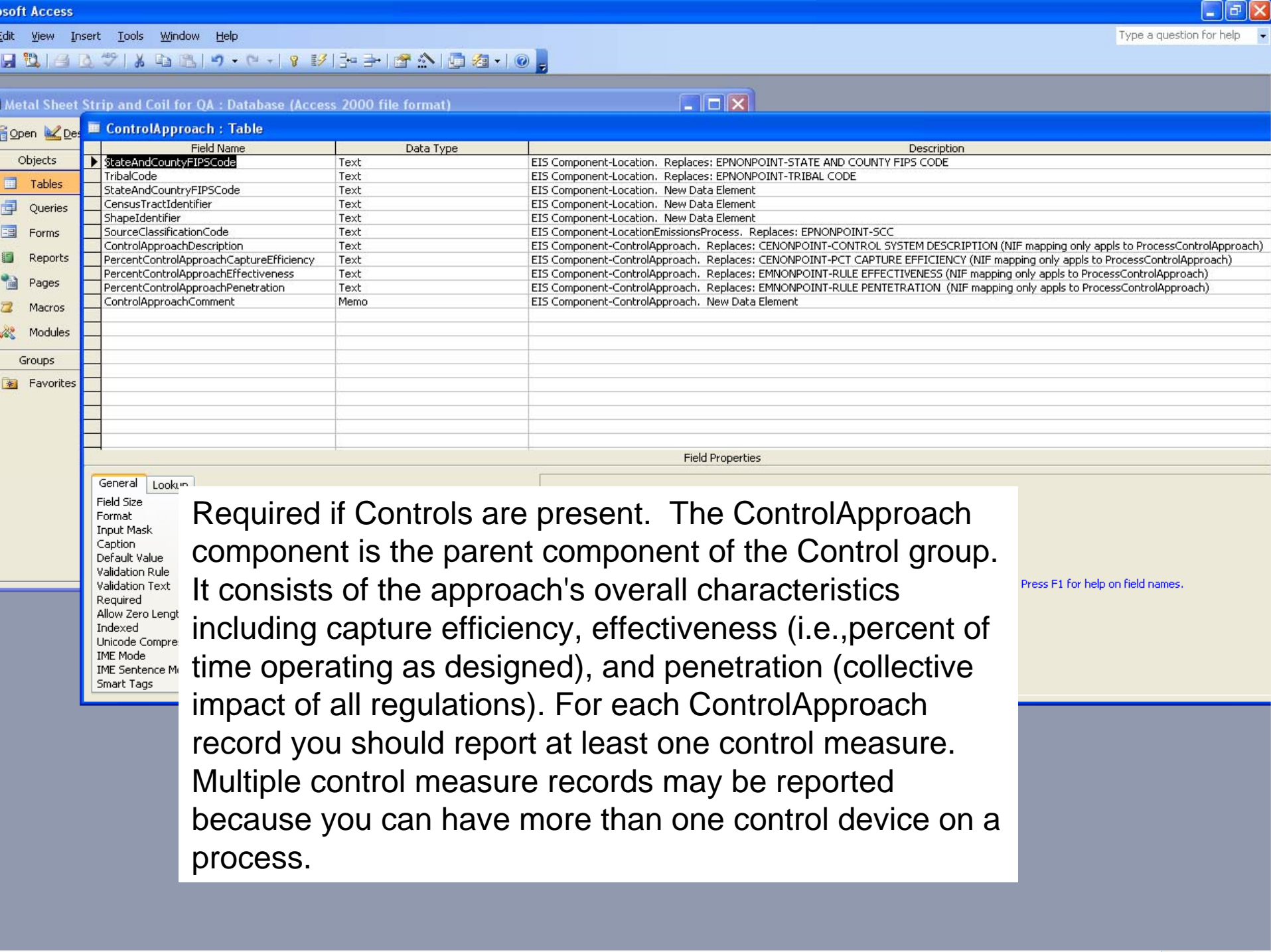
Field Name	Data Type	Description
StateAndCountyFIPSCode	Text	EIS Component-Location. Replaces: EPNONPOINT-STATE AND COUNTY FIPS CODE
TribalCode	Text	EIS Component-Location. Replaces: EPNONPOINT-TRIBAL CODE
StateAndCountryFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
ShapeIdentifier	Text	EIS Component-Location. New Data Element
SourceClassificationCode	Text	EIS Component-LocationEmissionsProcess. Replaces: EPNONPOINT-SCC
RegulatoryCode	Text	EIS Component-LocationProcessRegulation. Replaces: EPNONPOINT-PROCESS MACT CODE
AgencyCodeText	Text	EIS Component-LocationProcessRegulation. New Data Element
RegulationComment	Memo	EIS Component-LocationProcessRegulation. New Data Element

Use the ProcessRegulation component to report that the emissions process is subject to a Federal or State regulation. Reporting of the ProcessRegulation component is voluntary but strongly encouraged by EPA. For information on the list of acceptable regulation codes for each nonpoint SCC, see Appendix 6, "EIS Code Tables."

If the regulation is a non-Federal regulation, you should use the AgencyCodeText to provide a description of the regulation. EPA encourages you to use standardized AgencyCodeText descriptions for each regulation within your jurisdiction.

General	Lookup
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	Yes (Duplicates)
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

g, including spaces. Press F1 for h



Field Name	Data Type	Description
\$StateAndCountryFIPSCode	Text	EIS Component-Location. Replaces: EPNONPOINT-STATE AND COUNTY FIPS CODE
TribalCode	Text	EIS Component-Location. Replaces: EPNONPOINT-TRIBAL CODE
StateAndCountryFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
ShapeIdentifier	Text	EIS Component-Location. New Data Element
SourceClassificationCode	Text	EIS Component-LocationEmissionsProcess. Replaces: EPNONPOINT-SCC
ControlApproachDescription	Text	EIS Component-ControlApproach. Replaces: CENONPOINT-CONTROL SYSTEM DESCRIPTION (NIF mapping only applies to ProcessControlApproach)
PercentControlApproachCaptureEfficiency	Text	EIS Component-ControlApproach. Replaces: CENONPOINT-PCT CAPTURE EFFICIENCY (NIF mapping only applies to ProcessControlApproach)
PercentControlApproachEffectiveness	Text	EIS Component-ControlApproach. Replaces: EMNONPOINT-RULE EFFECTIVENESS (NIF mapping only applies to ProcessControlApproach)
PercentControlApproachPenetration	Text	EIS Component-ControlApproach. Replaces: EMNONPOINT-RULE PENETRATION (NIF mapping only applies to ProcessControlApproach)
ControlApproachComment	Memo	EIS Component-ControlApproach. New Data Element

Field Properties

- General
- Look up
- Field Size
- Format
- Input Mask
- Caption
- Default Value
- Validation Rule
- Validation Text
- Required
- Allow Zero Length
- Indexed
- Unicode Compr
- IME Mode
- IME Sentence M
- Smart Tags

Required if Controls are present. The ControlApproach component is the parent component of the Control group. It consists of the approach's overall characteristics including capture efficiency, effectiveness (i.e., percent of time operating as designed), and penetration (collective impact of all regulations). For each ControlApproach record you should report at least one control measure. Multiple control measure records may be reported because you can have more than one control device on a process.

Press F1 for help on field names.

Metal Sheet Strip and Coil for QA : Database (Access 2000 file format)

Open Design New

Objects

- Tables
- Queries
- Forms
- Reports
- Pages
- Macros
- Modules
- Groups
- Favorites

Field Name	Data Type	Description
StateAndCountyFIPSCode	Text	EIS Component-Location. Replaces: EPNONPOINT-STATE AND COUNTY FIPS CODE
TribalCode	Text	EIS Component-Location. Replaces: EPNONPOINT-TRIBAL CODE
StateAndCountryFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
ShapeIdentifier	Text	EIS Component-Location. New Data Element
SourceClassificationCode	Text	EIS Component-LocationEmissionsProcess. Replaces: EPNONPOINT-SCC
ControlMeasureCode	Text	EIS Component-ControlMeasure. Replaces: CENONPOINT-PRIMARY DEVICE TYPE CODE,SECONDARY DEVICE TYPE CODE,1

General

Field Size	
Format	
Input Mask	
Caption	
Default Val	
Validation R	
Validation T	
Required	No
Allow Zero Length	Yes
Indexed	Yes (Duplicates OK)
Unicode Compression	No
IME Mode	No Control
IME Sentence Mode	None
Smart Tags	

F1 for help on field names.

Use the ControlMeasure component to report the control devices and practices that makeup the control approach.

For each ControlApproach record you should report at least one control measure. Multiple control measure records may be reported.

Metal Sheet Strip and Coil for QA : Database (Access 2000 file format)

Open Design New X | Objects | Create table in Design view | Create table by using wizard

ControlPollutant : Table

Field Name	Data Type	Description
StateAndCountryFIPSCode	Text	EIS Component-Location. Replaces: EPNONPOINT-STATE AND COUNTY FIPS CODE
TribalCode	Text	EIS Component-Location. Replaces: EPNONPOINT-TRIBAL CODE
StateAndCountryFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
ShapeIdentifier	Text	EIS Component-Location. New Data Element
SourceClassificationCode	Text	EIS Component-LocationEmissionsProcess. Replaces: EPNONPOINT-SCC
PollutantCode	Text	EIS Component-ControlPollutant. New Data Element
PercentControlMeasureReductionEfficiency	Text	EIS Component-ControlPollutant . Replaces: CENONPOINT-PCT CAPTURE EFFICIENCY which is calculated as follows: [TOTAL CAPTURE CONTROL EFFICIENCY]

Field Properties

General Lookup

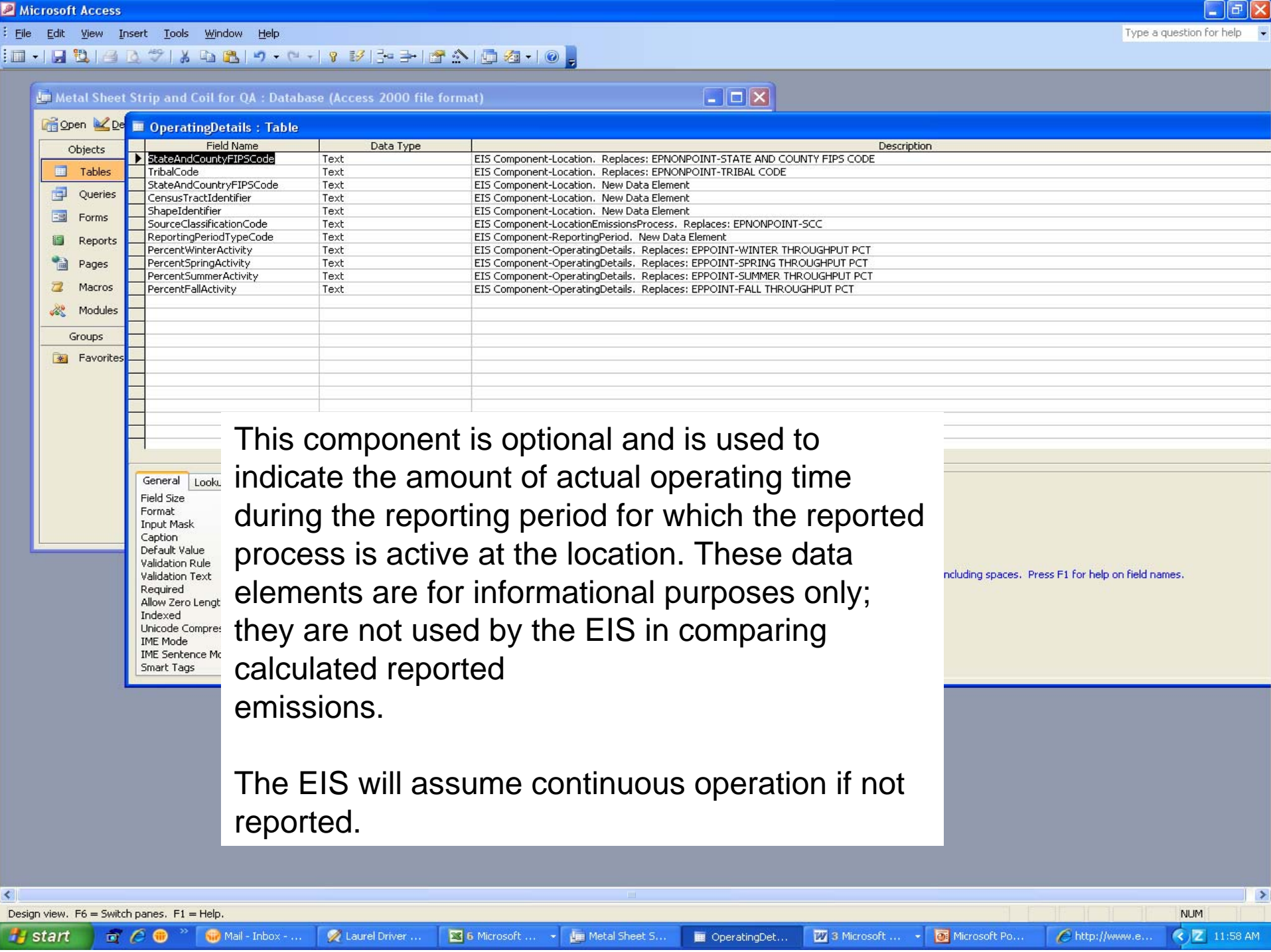
Field Size: 255

Format:

Input Mask:

Caption:

Use the ControlPollutant component to report the pollutants that are controlled by the control approach, and the percent reduction in emissions the control approach achieves. You should report at least one pollutant for each Controls group,. Multiple pollutant records may be reported. For each pollutant controlled, report the associated Percent Control Measures Reduction Efficiency. This efficiency should reflect the amount of reduction across the entire set of devices or measures applied when they and any capture equipment are operating as designed.



- Open
- Tables
- Queries
- Forms
- Reports
- Pages
- Macros
- Modules
- Groups
- Favorites

Field Name	Data Type	Description
StateAndCountryFIPSCode	Text	EIS Component-Location. Replaces: EPNONPOINT-STATE AND COUNTY FIPS CODE
TribalCode	Text	EIS Component-Location. Replaces: EPNONPOINT-TRIBAL CODE
StateAndCountryFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
ShapeIdentifier	Text	EIS Component-Location. New Data Element
SourceClassificationCode	Text	EIS Component-LocationEmissionsProcess. Replaces: EPNONPOINT-SCC
ReportingPeriodTypeCode	Text	EIS Component-ReportingPeriod. New Data Element
PercentWinterActivity	Text	EIS Component-OperatingDetails. Replaces: EPPOINT-WINTER THROUGHPUT PCT
PercentSpringActivity	Text	EIS Component-OperatingDetails. Replaces: EPPOINT-SPRING THROUGHPUT PCT
PercentSummerActivity	Text	EIS Component-OperatingDetails. Replaces: EPPOINT-SUMMER THROUGHPUT PCT
PercentFallActivity	Text	EIS Component-OperatingDetails. Replaces: EPPOINT-FALL THROUGHPUT PCT

- General
- Look...
- Field Size
- Format
- Input Mask
- Caption
- Default Value
- Validation Rule
- Validation Text
- Required
- Allow Zero Length
- Indexed
- Unicode Compression
- IME Mode
- IME Sentence Marking
- Smart Tags

This component is optional and is used to indicate the amount of actual operating time during the reporting period for which the reported process is active at the location. These data elements are for informational purposes only; they are not used by the EIS in comparing calculated reported emissions.

The EIS will assume continuous operation if not reported.

including spaces. Press F1 for help on field names.

Metal Sheet Strip and Coil for QA : Database (Access 2000 file format)

SupplementalParameter : Table

Field Name	Data Type	Description
StateAndCountryFIPSCode	Text	EIS Component-Location. Replaces: EPNONPOINT-STATE AND COUNTY FIPS CODE
TribalCode	Text	EIS Component-Location. Replaces: EPNONPOINT-TRIBAL CODE
StateAndCountryFIPSCode	Text	EIS Component-Location. New Data Element
CensusTractIdentifier	Text	EIS Component-Location. New Data Element
ShapeIdentifier	Text	EIS Component-Location. New Data Element
SourceClassificationCode	Text	EIS Component-LocationEmissionsProcess. Replaces: EPNONPOINT-SCC
ReportingPeriodTypeCode	Text	EIS Component-ReportingPeriod. New Data Element
SupplementalCalculationParameterType	Text	EIS Component-SupplementalCalculationParameter. New Data Element
SupplementalCalculationParameterValue	Text	EIS Component-SupplementalCalculationParameter. Replaces: EPNONPOINT-HEAT/SULFUR/ASH CONTENT
SupplementalCalculationParameterNumeratorUnitofMeasureCode	Text	EIS Component-SupplementalCalculationParameter. New Data Element
SupplementalCalculationParameterDenominatorUnitofMeasureCode	Text	EIS Component-SupplementalCalculationParameter. New Data Element
SupplementalCalculationParameterDataYear	Text	EIS Component-SupplementalCalculationParameter. New Data Element
SupplementalCalculationParameterDataSource	Text	EIS Component-SupplementalCalculationParameter. New Data Element
SupplementalCalculationParameterComment	Memo	EIS Component-SupplementalCalculationParameter. New Data Element

General Lookup

Field Size: 255

Format: _____

Input Mask: _____

Caption: _____

Default Value: _____

Validation Rule: _____

Validation Text: _____

Required: No

Allow Zero Length: Yes

Indexed: Yes (D)

Unicode Compression: No

IME Mode: No Co

IME Sentence Mode: None

Smart Tags: _____

For nonpoint emissions, you have the option to provide additional input parameters specific to commonly used calculation methodologies for fuel combustion emission sectors.

Heat Content, Percent Sulfur, Percent Ash.

EPA encourages, but does not require, the reporting of these supplemental parameters.

Press F1 for help on field names.

The Merciful End