

US EPA ARCHIVE DOCUMENT

Nonpoint Inventory

EIS and the NEI

- Emission Inventory System (EIS)
 - Data repository for air emissions data used to create the NEI
 - Contains State, Local, Tribal and EPA submitted data
 - Can be multiple emissions values for the same FIPS/pollutant/process
 - Annual, monthly, episodic, daily data
 - Data available via a password-protected web site
 - EIS Gateway <https://eis.epa.gov/eis-system-web/welcome.html>
- National Emission Inventory (NEI)
 - Snapshot in time from EIS
 - One emissions value per process selected
 - Typically S/L/T data used preferentially
 - Typically NEI only contains annual emissions values

S/L/T Reporting Requirement

- Air Emissions Reporting Rule (AERR)
<http://www.epa.gov/ttn/chief/aerr/>
 - Complete criteria pollutant inventory every 3 years
 - All point sources (emission threshold based on potential to emit)
 - **Nonpoint sources**
 - Onroad and Nonroad sources
 - Events (wildfires and prescribed fires)
 - 2011 Emissions due 12/31/2012, EIS window opens 6/1/2012
 - Annual reporting for type A point source facilities
 - Point source emission thresholds are higher
 - HAPs are submitted voluntarily by many S/L/Ts and are encouraged as part of an integrated report

Uses of the NEI

- The NEI is one of the key inputs for :
 - Modeling of national rules
 - NAAQS reviews, CSAPR, etc
 - Non-attainment Designations
 - NATA Review – toxics risk modeling
 - Trends reports and analyses

Components of the EIS

- Six different data categories
 - Facility Inventory
 - Point Emissions
 - **Nonpoint Emissions**
 - Onroad Emissions
 - Nonroad Emissions
 - Event Emissions (wildfires and prescribed fires)
 - No biogenic emissions, although these are part of EPA's modeling files

What are Nonpoint Sources?

- Stationary sources that individually are small and numerous, and that have not been inventoried as specific point or mobile sources.
- These sources are grouped in such a way that they can be estimated collectively using one methodology. Examples are;
 - Residential heating
 - Consumer solvents
- Also includes
 - Commercial Marine Vessels
 - Locomotives
 - Paved roads, unpaved roads

Commercial Marine Vessels

- S/L/Ts should not report emissions for ships in Federal Waters
 - We will use EPA estimates for all ships in federal waters
- Emissions must be reported at the shapeID level in counties where appropriate shapeIDs exist. Use the EIS shapeID library under reporting codes
- Emissions Type Code is required (indicates cruise, hoteling, maneuvering, refueling and reduced speed zone)
- Anytime EPA data exists for a shapeID/SCC/poll/emistype combination that does not exist in the submitted data, both will be selected and may cause double counting.

Locomotives

- Rail yards are preferred to be reported as points.
- Line haul class 1 and class 2/3 rail emissions must be reported at the shapeID level in counties where appropriate shapeIDs exist. Use the EIS shapeID library under reporting codes

How do I report using shapefiles?

The screenshot shows the EPA EIS System Web interface. The left sidebar contains navigation links under 'SUPPORT' and 'ACCOUNT DATA'. The main content area displays a table of reporting code tables. A red arrow points to the 'Reporting Code Tables' link in the sidebar. A red circle highlights the 'Port Identifiers' link in the table.

| Reporting Code Table | Description |
|---|--|
| Event Classification Code | Table of codes that identify the classification of a fire. |
| Event Size Source Code | Table of codes that identify methods used to determine the size of an event. |
| Event Stage Code | Identifies whether emissions reported are due to flaming, smoldering, or both. |
| Facility Category Code | Code that identifies the Clean Air Act Stationary Source designation. Examples include major, minor, and synthetic minor. |
| Facility Site Status Code | Code that identifies the operating status of the facility site. |
| Facility Source Type Code | Category or source type of a facility for EIS classification. |
| Fuel Configuration Code | The predominant configuration of the fuel burned (i.e., pile, windrow, broadcast or natural). |
| Fuel Consumption And Emissions Model Code | Code that identifies the unit of measure for the amount of fuel consumed. |
| Fuel Loading Unit of Measure Code | Code that identifies the numerator of the unit of measure for the fuel loading. |
| Fuel Selection Code | The method used (on-site survey vs. GIS overlay) to select the appropriate fuel beds (e.g., red spruce, chaparral, sawgrass, or logging slash). |
| Fuel Type Model Code | The fuel model used to characterize available fuel beds (e.g., FCCS or NFDRS). |
| Geographic Reference Point Code | The code that represents the place for which geographic coordinates were established. See www.epa.gov/oei/ for more information on the proper usage of this code set. |
| Geometric Type Code | The code that represents the geometric entity represented by one point or a sequence of latitude and longitude points. See www.epa.gov/oei/ for more information on the proper usage of this code set. |
| Ground Based Data Source Code | Indicates whether ground-based data were included and if so, identifies their source. |
| Heat Release Unit Of Measure Code | Code that identifies the unit of measure for heat release. |
| Horizontal Collection Method Code | The code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth. See www.epa.gov/oei/ for more information on the proper usage of this code set. |
| Horizontal Reference Datum Code | The code that represents the reference datum used in determining latitude and longitude coordinates. See www.epa.gov/oei/ for more information on the proper usage of this code set. |
| Ignition Location Code | The location and distribution of the ignition points within the burn area (e.g., center or multiple). |
| Ignition Method Code | The method used to ignite the fire (i.e., DAD, heiltorch, or driptorch). |
| Ignition Orientation Code | The technique used to direct the orientation of the fire's movement with respect to the wind (i.e., backing, strip-heading, or flanking). |
| Location Address State Code | The alphabetic codes that represent the name of the principal administrative subdivision of the United States, Canada, or Mexico. |
| Location Type Code | Identifies the type of code or identifier that is being excluded. |
| NAICS Code | The code that represents a subdivision of an industry that accommodates user needs in the United States. |
| Pollutant Code | The code for the pollutant which is controlled by the control measure. |
| Port Identifiers | The code that identifies a shapefile of type port. |
| Railway Segment Identifiers | The code that identifies a shapefile of type railway segment. |
| Regulatory Code | The code that describes the regulation applicable to the emissions unit activity or process. |
| Release Point Exit Gas Flow Rate Unit of Measure Code | The unit of measure for the stack gas flow rate value. |
| Release Point Exit Gas Velocity Unit of Measure Code | The unit of measure for the velocity of an exit gas stream value. |
| Release Point Status Code | Code that identifies the operating status of the release point site. |

Shapefiles



The screenshot shows a web browser window displaying the EPA EIS System Web Shapefile List. The browser's address bar shows the URL <https://eis.epa.gov/eis-system-web/shape/lis>. The page features a left-hand navigation menu with sections for 'Merge Processes', 'REPORTS', 'REFERENCE DATA', 'SUPPORT', and 'ACCOUNT DATA'. The main content area is a table listing various shapefiles. The table has four columns: 'Shape Identifier', 'Port Name', 'Fips Code', and 'Area in square miles'. The row for 'Baltimore' with 'Fips Code' '24003' is circled in red. The table lists 30 shapefiles in total.

| Shape Identifier | Port Name | Fips Code | Area in square miles |
|------------------|-----------------|-------------------------------------|----------------------|
| 10000 | Albany | 36001 (Albany, New York) | 0.3878666 |
| 10001 | Alpena | 26007 (Alpena, Michigan) | 0.04240724 |
| 10002 | Anacortes | 53057 (Skagit, Washington) | 0.08532005 |
| 10003 | Anchorage | 02020 (Anchorage, Alaska) | 0.53040326 |
| 10004 | Ashtabula | 39007 (Ashtabula, Ohio) | 0.5104288 |
| 10147 | Baltimore | 24003 (Anne Arundel, Maryland) | 0.47381672 |
| 10148 | Baltimore | 24005 (Baltimore, Maryland) | 2.318912 |
| 10149 | Baltimore | 24510 (Baltimore city, Maryland) | 7.160195 |
| 10005 | Barbers Point | 15003 (Honolulu, Hawaii) | 0.33698225 |
| 10006 | Baton Rouge | 22005 (Ascension, Louisiana) | 56.918114 |
| 10007 | Baton Rouge | 22033 (East Baton Rouge, Louisiana) | 66.67836 |
| 10008 | Baton Rouge | 22047 (Iberville, Louisiana) | 65.31524 |
| 10009 | Baton Rouge | 22121 (West Baton Rouge, Louisiana) | 111.113655 |
| 10010 | Beaumont | 48245 (Jefferson, Texas) | 4.858752 |
| 10011 | Beaumont | 48361 (Orange, Texas) | 0.26710904 |
| 10164 | Biloxi, MS | 28047 (Harrison, Mississippi) | 0.19622037 |
| 10012 | Boston | 25017 (Middlesex, Massachusetts) | 0.67535377 |
| 10013 | Boston | 25025 (Suffolk, Massachusetts) | 0.5823123 |
| 10014 | Bridgeport | 09001 (Fairfield, Connecticut) | 0.26778936 |
| 10015 | Brownsville | 48061 (Cameron, Texas) | 2.053423 |
| 10016 | Brunswick | 13127 (Glynn, Georgia) | 0.3650601 |
| 10150 | Buffalo | 36029 (Erie, New York) | 4.9257355 |
| 10175 | Buffington, IN | 18089 (Lake, Indiana) | 0.19622037 |
| 10017 | Burns Harbor | 18127 (Porter, Indiana) | 0.8401135 |
| 10018 | Calcite | 26141 (Presque Isle, Michigan) | 0.021764237 |
| 10019 | Camden | 34007 (Camden, New Jersey) | 0.38438213 |
| 10020 | Carquinez | 06013 (Contra Costa, California) | 0.11063455 |
| 10021 | Catalina | 06037 (Los Angeles, California) | 4.4039678E-4 |
| 10022 | Charleston | 45019 (Charleston, South Carolina) | 0.47660846 |
| 10173 | Charlevoix, MI | 26029 (Charlevoix, Michigan) | 0.19622037 |
| 10166 | Chattanooga, TN | 47065 (Hamilton, Tennessee) | 0.19622037 |
| 10152 | Chester, PA | 42045 (Delaware, Pennsylvania) | 0.10937001 |

CMV and Rail

- Location
 - State and County Code
 - AND Shapefile Identifier (if exists in that county)
- Emission Process
 - State and County Code
 - Shapefile Identifier (if exists in that county)
 - Specific SCCs
 - Emissions Type Code (CMV only)

CMV and Rail SCCs

https://eis.epa.gov/eis-system-web/code/scc/ EIS

EIS Gateway
Sally Dombrowski; EIS; Content Manager Role, Authenticated Role, Inventory Selector Role, Inventory Developer Role, Account Manager Role

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Merge Processes
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data
- » Inventory Selection

REPORTS

- » Request Reports
- » Report Downloads
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables
- » QA Checks

Source Classification Code List

Name: Source Classification Code
Description: The 8 or 10-digit EPA Code that describes an emission source

Search on "Rail" or "Marine Vessels, Commercial"

Show 25 entries Status: Active

| nonpoint | Search code | Search scc level one | Rail | Search scc level three | Search scc level four | Search map to | Search last inventory year | Search option group | Search option set |
|---------------|-------------|----------------------|--------------------|------------------------|--|---------------|----------------------------|---------------------|-------------------|
| Data Category | Code | SCC Level One | SCC Level Two | SCC Level Three | SCC Level Four | Map To | Last Inventory Year | Option Group | Option Set |
| Nonpoint | 2285002006 | Mobile Sources | Railroad Equipment | Diesel | Line Haul Locomotives: Class I Operations | | | | |
| Nonpoint | 2285002007 | Mobile Sources | Railroad Equipment | Diesel | Line Haul Locomotives: Class II / III Operations | | | | |
| Nonpoint | 2285002008 | Mobile Sources | Railroad Equipment | Diesel | Line Haul Locomotives: Passenger Trains (Amtrak) | | | | |
| Nonpoint | 2285002009 | Mobile Sources | Railroad Equipment | Diesel | Line Haul Locomotives: Commuter Lines | | | | |
| Nonpoint | 2285002010 | Mobile Sources | Railroad Equipment | Diesel | Yard Locomotives | | | | |

Showing 1 to 5 of 5 entries (filtered from 11717 total entries)

Download Results: CSV

First Previous 1 Next Last

11:46 AM 2/23/2012

Emission Type Code

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/code/list.html?codeMetadataId=40

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

EIS Gateway

Sally Dombrowski; EIS: Content Manager Role, Authenticated Role, Inventory Selector Role, Inventory Developer Role, Account Manager Role

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
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REFERENCE DATA

- » Reporting Code Tables
- » QA Checks

Code Table List View

Name: Emissions Type Code

Description: Defines the type of emissions produced by Onroad and Nonroad sources (e.g., exhaust, evaporative and tire wear) and mode types for commercial marine vessels (e.g., cruise and reduced speed zone).

9 items found, displaying all items.

| Emissions Type Code | Description | Onroad | Nonroad | Nonpoint |
|---------------------|--------------------|--------|---------|----------|
| B | Brake Wear | Yes | No | No |
| C | Cruise | No | No | Yes |
| E | Evaporation | Yes | Yes | No |
| H | Hoteling | No | No | Yes |
| M | Maneuvering | No | No | Yes |
| R | Refueling | No | Yes | No |
| T | Tire Wear | Yes | No | No |
| X | Exhaust | Yes | Yes | No |
| Z | Reduced Speed Zone | No | No | Yes |

9 items found, displaying all items.

Download Results: [CSV](#)

Local intranet 100%

Estimation of Emissions – EPA Collaboration with States/Locals

- Eastern Regional Technical Advisory Committee (ERTAC)
 - First done for 2008
 - Comprised of the SLT east of the Mississippi River and EIAG
 - Kept the name ERTAC for consistency
- Expanded to all SLT for 2011 NEI effort
 - voluntary
- Purpose
 - Coordinate emission inventory needs for air quality modeling
 - Develop and improve emission inventories
 - Agree on methods, emission factors, and SCCs for developing default emissions
- EPA will develop emissions using these methodologies.
- Complete all sectors by July 2012

Methodologies/Emissions Posted on Web

- Posted on EPA website when completed
 - Somewhere on CHIEF, not sure where yet
 - Posted files will contain methodologies, emission factors, activity data, other info as appropriate
- SLT encouraged to review emissions and if emissions ok, to not submit.
 - Can indicate to EPA that you accept EPA emissions
 - This would allow EPA emissions to be selected in NEI
- SLT encouraged to submit “better” data if desired.
 - Also encouraged to use the same SCC

Sectors EPA Will Estimate for 2011

- ICI Fuel Combustion (activity data will be released)
- Residential fuel consumption
 - Coal (anthracite & bituminous)
 - Distillate oil
 - Natural gas
 - LPG
 - Kerosene
 - Wood
- Paved roads
- Unpaved roads
- Commercial cooking
- Construction activities
 - Road, residential, non-residential
- Mining and quarrying

Sectors EPA Will Estimate for 2011, cont.

- Solvents
 - Architectural Coatings
 - Auto Refinishing
 - Surface Coating - Traffic Markings
 - Surface Coating - Factory Finished Wood
 - Surface Coating - Wood Furniture
 - Surface Coating - Metal Furniture
 - Surface Coating - Paper, foil, and film
 - Surface Coating - Metal Can Coating
 - Surface Coating - Sheet, strip, and coil
 - Surface Coating - Machinery and Equipment
 - Surface Coating - Large Appliances
 - Surface Coating - Electronic and other Electric Coatings
 - Surface Coating - Motor Vehicles
 - Surface Coating - Aircraft
 - Surface Coating - Marine
 - Surface Coating – Railroad
 - Surface Coating - Miscellaneous Manufacturing
 - Industrial Maintenance Coatings
 - Other Special Purpose Coatings

Sectors EPA Will Estimate for 2011, cont.

- Solvents, Continued
 - Degreasing
 - Dry Cleaning
 - Graphic Arts
 - C&C: Cosmetics and Toiletries
 - C&C: Cleaning Products; Household
 - C&C: Auto Aftermarket
 - C&C: Coatings and Related Products
 - C&C: adhesives and sealants
 - C&C: FIFRA Regulated Products
 - C&C: Misc. Products (not otherwise covered)
 - Cutback Asphalt paving
 - Emulsified Asphalt paving
 - Agricultural pesticide application
- Portable fuel containers
- Gasoline distribution, stage 1 & stage 2
- Aviation gasoline distribution, stage 1 & stage 2 (general aviation only)
- Open Burning (yard waste, household waste and land-clearing debris)
- Publically Owned Treatment Works (POTW)
- Agricultural Tilling

Sectors EPA Will Estimate for 2011, cont.

- Fertilizer application
- Livestock
- Cremation – human
- Dental Preparation and Use
- General Laboratory Activities
- Lamp Breakage (Landfill emissions)
- Lamp (Fluorescent) Recycling
- Oil and Gas Production

Nonpoint Reporting Issues

- SCC Consistency
- Questionable Emissions Data
- Point Source Subtraction

SCC consistency

- Makes the merge of numerous datasets into the NEI easier.
- EIAG wrote some rules to handle the issue of different data sets having different SCCs for essentially the same process
 - Unexpected results
- EIAG working with ERTAC to Streamline the number of NP SCCs
 - No Changes for 2011 cycle
- General vs Specific SCCs
 - Never use SCCs to subtotal emissions
 - Never double count emissions in your submittal

Questionable Data

2008 Reporting issues

- Unexpected pollutants
 - Metals and PM-CON from fugitive dust sources (paved roads)
 - PM or Nox from evaporative sources
- Outliers
 - Extremely high values submitted
 - 277 tons of 2,3,7,8 dioxin from waste disposal
- Missing expected sources
 - Fireplaces but not woodstoves
- Errors in mass units (tons instead of pounds)
- Reporting one month of emissions as annual

What you can do

- QA your submittal before submitting it.
 - We will look at the data, but the more looks the better.
 - Make sure reported units are correct
 - EIS accepts many mass units, so you do not have to convert to tons to submit.
- Compare to previous year or to alternative data (EPA data or neighboring state)
 - Divide current submittal by last year's number
 - Graph ratio on x/y graph, look for values not on the $x=y$ line
 - Or can sort ratio and review real high and real low values
 - If emissions are off by factor of 2000, might be a pounds to ton conversion error
 - You can catch many of these common errors by this comparison.

Point Source Subtraction

- Necessary to avoid double counting of emissions
 - Regarding Point and Nonpoint
- Responsibility of Submitting Agency to Reconcile Point and Nonpoint
- Some sectors do not need to be adjusted for point sources
 - Consumer solvents, residential heating
- Others do
 - Industrial Fuel Combustion, Industrial Surface Coatings

Point Source Subtraction

1. Activity based

Nonpoint activity = Total activity for sector – Sum
of Point source activity

Done at state level or county level

Point Source Subtraction – Example Calculation, Activity Based

- 73,665 E6FT3 of Natural Gas used in the industrial sector (from dept of Energy)
 - Represents total NG used in Industrial Sector for state
- Subtract out volume of NG used in the facilities in the point source inventory (65,000 E6FT3)
 - At state level, county level usage usually not available
- Remainder (8665 E6FT3) used in nonpoint (area) inventory
 - Allocate to county appropriately

Point Source Subtraction (cont.)

2. Employment based

Nonpoint Employment = Total Employment
for source category – Sum of Point Source
Employment

Point Source Subtraction – Example Calculation, Employee Based

- Aircraft Surface Coating
 - Emission factor = 15 lbs VOC/ employee
- Need Total Employment data
 - Available by county from the Census Bureau, County Business Patterns
 - Relevant NAICS
 - 3364: Aerospace Product and Parts Manufacturing
- Need number of employees at Point source facilities

Point Source Subtraction – Example Calculation, Employee Based

- Sum the number of employees that work in the facilities in your point source inventory in each county
- Subtract that from the number of employees from the Census Bureau for that county
- The remainder are the number of employees that are employed in the nonpoint sources in that county
- Use the employee-based emission factors to estimate emissions for each county

Point Source Subtraction (cont.)

3. Emissions based

Uncontrolled NP Emiss = Total Uncontrolled Emiss of Sector – Sum of Uncontrolled Emiss of Point Sources

Not recommended for fuel combustion due the difficulty of estimating uncontrolled emissions. **Preferred approach for fuel combustion is the activity (fuel throughput) based approach.**

Point Source Subtraction – Example Calculation, Emissions Based

- Dry Cleaners
 - Have state level sales of solvents used at dry cleaners
 - Subtract out emissions reported at point sources
 - Remainder is emissions at nonpoint dry cleaners
 - Allocate to county using employment

Break

Short Break – Back in 10 mintues

EIS Format - Nonpoint Inventory

- 13 Tables, all must be submitted. Some can be null.
- Required (not null)
 - CERS
 - Exchange Header
 - Location
 - Emissions Process
 - Reporting Period
 - Emissions
- Optional (can be null)
 - Excluded Location Parameter
 - Regulation
 - Operating Details
 - Control Approach, Control Measure and Control Pollutant
 - Supplemental Parameter

Required - CERS

- Required
 - User ID (EIS login)
 - Usually your email address
 - Program System Code
 - e.g., ADEM - Alabama
 - Emissions Year
 - e.g., 2011
- Optional
 - Model
 - Model Version
 - Emissions Creation Date
 - Submittal Comment

Required - Exchange Header

- Required
 - Author Name (not ID)
 - Organization Name
 - Document Title (**EIS**)
 - Data Flow Name (**EIS_v1_0**)
 - Submission Type (**QA** or **Production**)
 - Property-Data Category (**Nonpoint**)
- Optional
 - Keywords
 - Comments
 - Property-NCD Data File (Only when submitting NCD)

Required - Location

- Required
 - State/County FIPS, Tribal Code, OR Census Tract Identifier,
 - AND Shape Identifier (CMV and Rail)
- Optional
 - Location Comment

Required - Emissions Process

- Required
 - State/County FIPS, Tribal Code, OR Census Tract Identifier,
 - AND Shape Identifier (CMV and Rail)
 - **Source Classification Code**
 - **Emissions Type Code** (Used for CMV)
- Optional
 - Process Comment

Required - Reporting Period

- Required
 - State/County FIPS, Tribal Code, OR Census Tract Identifier,
 - AND Shape Identifier (CMV and Rail)
 - Source Classification Code
 - **Reporting Period Type Code**
 - Annual, monthly, 5 month ozone season, episodic, winter, summer day
 - **At a minimum, you must report annual (“A”)**
- Optional
 - Calculation Parameter Type Code (I, O, E)
 - Calculation Parameter Value and UOM (activity)
 - Calculation Material Code (fuel consumed or material)
 - Calculation Data Year (year of data if different)
 - Calculation Data Source (Source of activity data)
 - Reporting Period Comment

Required - Emissions

- Required
 - State/County FIPS, Tribal Code, OR Census Tract Identifier,
 - AND Shape Identifier (CMV and Rail)
 - Source Classification Code
 - Reporting Period Type Code
 - **Pollutant Code**
 - **Total Emissions and UOM**
 - **Emissions Calculation Method Code**
 - e.g., 8=AP42 ef, 3=material balance
- Optional
 - Emission Factor, Numerator and Denominator
 - Emission Factor Text
 - Emissions Comment

Optional - Operating Details

- Required
 - State/County FIPS, Tribal Code, OR Census Tract Identifier,
 - AND Shape Identifier (CMV and Rail)
 - Source Classification Code
 - Reporting Period Type Code
- Optional
 - Seasonal Throughput
 - All 4 seasons must be reported
 - Total must equal 100

Optional – Excluded Location

- Required
 - State/County FIPS, Tribal Code, OR Census Tract Identifier,
 - AND Shape Identifier (CMV and Rail)
 - **Location Type Code**
 - **TC – Tribe**
 - **CTI – Census Tract Identifier**
 - **Location Parameter**
 - **Tribal Code or Census Tract Identifier**
- Optional
 - Location Comment

Optional - Control Approach

- Required
 - State/County FIPS, Tribal Code, OR Census Tract Identifier,
 - AND Shape Identifier (CMV and Rail)
- Optional
 - Control Approach Description or Control Approach Comment
 - Percent Control Approach Capture Efficiency
 - Percent Control Approach Effectiveness
 - Adjustment to the control effectiveness to account for failures and uncertainty that affect actual performance of control
 - EPA default = 0.80
 - Percent Control Approach Penetration
 - % of category expected to be complying to the reg
- **If reporting Control Approach**
 - **Control Measure – Required**
 - **Control Pollutant - Required**

Control Measure

- Required
 - State/County FIPS, Tribal Code, OR Census Tract Identifier,
 - AND Shape Identifier (CMV and Rail)
 - **Control Measure Code (Device or Practice)**
- Can have multiple Control Measures for a given Control Approach

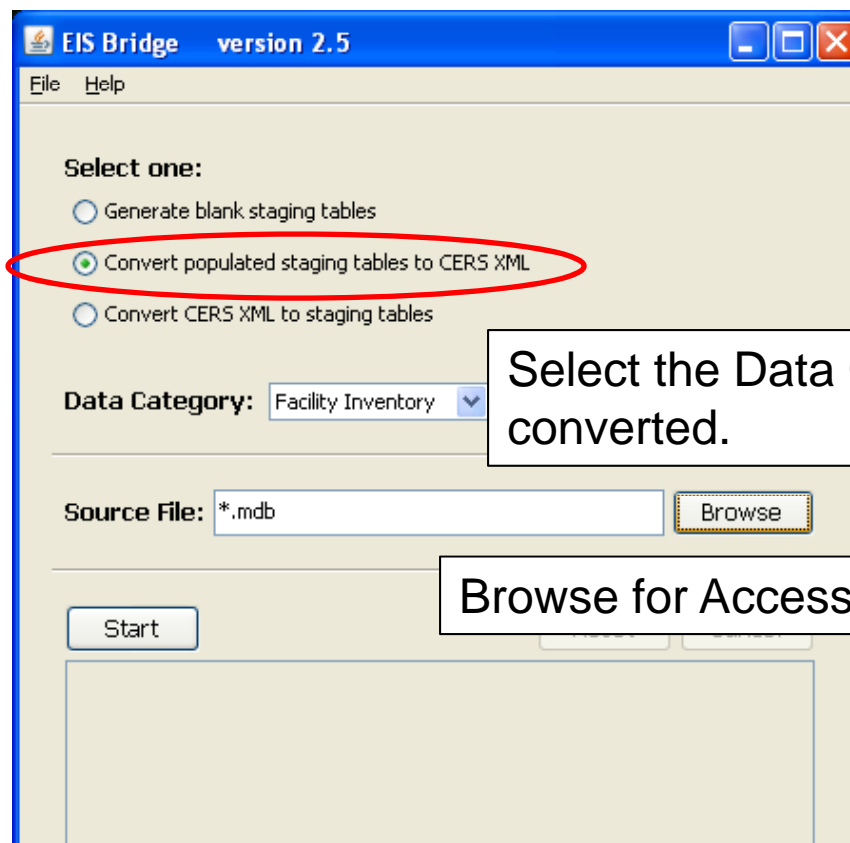
Control Pollutant

- Required
 - State/County FIPS, Tribal Code, OR Census Tract Identifier,
 - AND Shape Identifier (CMV and Rail)
 - **Pollutant Code**
- Optional
 - Percent Control Measure Reduction Efficiency
- Can have multiple pollutant records

Optional – Supplemental Parameter

- Required
 - State/County FIPS, Tribal Code, OR Census Tract Identifier,
 - AND Shape Identifier (CMV and Rail)
 - Reporting Period Type Code
 - **Supplemental Calculation Parameter Type**
 - **Heat Content, Percent Sulfur Content, Percent Ash Content**
 - **Supplemental Calculation Parameter Value**
 - **Supplemental Calculation Parameter Numerator and Denominator**
 - **Heat Content must be BTU or E6BTU**
- Optional
 - Supplemental Calculation Parameter Data Year, Data Source and Comment

Creating XML File via the Bridge Tool



Select the Data Category being converted.

Browse for Access file and select "Start".

REMEMBER: The Bridge Tool works on Access 2003. If your file is saved as Access 2007 or later, you will need to do a "save as" to Access 2003 prior to using the Bridge Tool.

Common Bridge Tool Errors

- XML validation failed due to the following:
Invalid byte 1 of 1-byte UTF – 8 sequence.
 - This error is usually caused by a special character that may have been introduced if you used cut and paste.

Common Bridge Tool Errors

- Widows and orphans
- Duplicate records

Submitting the zipped XML File

- Two methods
 - Node-to-node
 - CDX web client (most common method)
 - <https://nodewebbrss.epa.gov/user/Login.aspx>
 - Use Gateway login and password
- QA and Production Environment
 - QA is always open to check your data. Does not change anything in the EIS
 - Production submission is your official submission and will update the EIS
 - Recommend always sending to QA first

Exchange Network Web Client v2 - Windows Internet Explorer provided by EPA

https://nodewebrss.epa.gov/user/Login.aspx


Google

File Edit View Favorites Tools Help

Convert Select

Exchange Network Web Client v2

Page Tools



Contact Us

U.S. Environmental Protection Agency

Exchange Network Web Client v2.0

Please Sign In.

ID ombrowski.sally@epa.gov

Password

Domain default

default

IAMLdap

EPA

EPA Home | Privacy and Security Notice | Contact

Last updated on Tuesday, January 31st, 2012
URL: http://nodewebrss.epa.gov/user/Login.aspx

Local intranet

100%

Exchange Network Node v2 - Windows Internet Explorer provided by EPA

https://nodewebss.epa.gov/user/Login.aspx

File Edit View Favorites Tools Help

Convert Select

Exchange Network Node v2

U.S. Environmental Protection Agency

Exchange Network Web Client v2.0

Welcome to the Node 2.0 Web Interface

RSS/ATOM News Channel: RecoveryChannel ☒ ATOM ☐

RSS Channel: Recovery

Published Date: Tue, 31 Jan 2012 08:17:30 -0500

Last Built Date: Tue, 31 Jan 2012 08:17:30 -0500

Description: Recovery Channel for interfacing to Recovery.gov

Language: en-us

Mon, 30 Jan 2012 13:44:04 -0500

2012
Recovery.gov submitted on January 30, 2012

Tue, 24 Jan 2012 13:12:16 -0500
EPA Weekly Financial and Activity Report for January 24, 2012
This is the EPA Weekly Financial and Activity Report for Recovery.gov submitted on January 24, 2012

Tue, 17 Jan 2012 13:47:35 -0500
EPA Weekly Financial and Activity Report for January 17, 2012
This is the EPA Weekly Financial and Activity Report for Recovery.gov submitted on January 17, 2012

Tue, 10 Jan 2012 10:18:21 -0500
EPA Weekly Financial and Activity Report for January 10, 2012
This is the EPA Weekly Financial and Activity Report for Recovery.gov submitted on January 10, 2012

Tue, 03 Jan 2012 12:43:13 -0500
EPA Weekly Financial and Activity Report for January 03, 2012
This is the EPA Weekly Financial and Activity Report for Recovery.gov submitted on January 03, 2012

Tue, 27 Dec 2011 13:40:18 -0500
EPA Weekly Financial and Activity Report for December 27, 2011
This is the EPA Weekly Financial and Activity Report for Recovery.gov submitted on December 27, 2011

Tue, 20 Dec 2011 11:34:57 -0500

Done

Local intranet 100%

Select EIS from the left-hand side bar

- Home
- My Activity
- My Queries
- My Account
- News Channels
- News Composer
- Data Exchanges
- Recovery
 - EIS**
 - FRS
 - WCIT
- Operations
 - Download
 - Submit
 - Query
 - Solicit
 - Execute
- Searches
 - Service Search
 - History Search
 - RSS Search
 - Full Text Search
- Advanced

Exchange Network Node v2 - Windows Internet Explorer provided by EPA

https://nodewebbrss.epa.gov/user/EIS.aspx

File Edit View Favorites Tools Help

Convert Select

Exchange Network Node v2

U.S. Environmental Protection Agency

Exchange Network Web Client v2.0

EIS_v1_0 Data Exchange (Show Help...)

Select Document: Browse...

Emails to Notify:

Submit

Browse for your **ZIPPED XML** submission file.
Then complete your email notification. This can be more than one email address. Then select "Submit".

Done Local intranet 100%

- Home
 - My Activity
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 - My Account
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 - Recovery
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 - Service Search
 - History Search
 - RSS Search
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- Advanced

Email Notifications

- First email, from “CDXNotification”, immediate
 - Transaction Status: **Pending**
- Second email, also from “CDXNotification” , when EIS completes processing
 - Transaction Status: **Completed**. Feedback report is available at EIS Gateway
- Third email, from “noreply” (EIS Gateway) , on quarter hours
 - Status : Completed or **Failed**
 - Wrong file submission error – Usually a zipped Access file is submitted instead of the xml file
 - Window closed error – “User, agency, submission year not authorized”
 - Completed might be for an XML file containing no data
- Go to EIS Gateway and read the Feedback Report and resolve any critical errors and Potential Duplicates

The Feedback Report

- Summary Page
 - Name of submitter
 - What environment submissions was made to
 - QA or Production
 - Data Category submitted
 - Nonpoint
 - Total number of critical and warning errors.

Feedback Report Statistics

| Component | Added | Updated |
|----------------------------------|--------------|----------|
| Location | 0 | 0 |
| ExcludedLocationParameter | 0 | 0 |
| LocationEmissionsProcess | 670 | 0 |
| ControlApproach | 0 | 0 |
| Regulation | 0 | 0 |
| ReportingPeriod | 670 | 0 |
| OperatingDetails | 0 | 0 |
| SupplementalCalculationParameter | 0 | 0 |
| Emissions | 28676 | 0 |
| Total | 30016 | 0 |
| | | |

Feedback Report Critical Errors

- The most important page of your feedback report
- All critical errors must be resolved prior to submitting to Production
 - Or you might have problems

When will my data show up in EIS?

- Nonpoint data on the Gateway is available immediately
- Reports available the next day

Nonpoint/Onroad/Nonroad Emissions

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/process/area/search.html

File Edit View Favorites Tools Help

Convert Select

EIS

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data

REPORTS

- » Request Reports
- » Report Downloads
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables
- » QA Checks
- » EIS Bridge

SUPPORT

- » View All Announcements
- » View Support

Nonpoint / Onroad / Nonroad Emissions Search

WARNINGS

→ The selected search criteria yield more results than can be displayed. Please refine your search.

Search Criteria

States » NC

Counties » All counties selected.

Tribes » All tribes selected.

Data Categories » Nonpoint

Sectors » All sectors selected.

Source Classifications » All source classifications selected.

Show 10 entries

Search:

| Source Classification | Emissions Type Code | FIPS State and County | Tribal Name | Census Tract | Shape Identifier |
|-----------------------|---------------------|-----------------------|-------------|--------------|------------------|
| 2102001000 | | 37001 | | | |
| 2102002000 | | 37001 | | | |
| 2102004000 | | 37001 | | | |
| 2102005000 | | 37001 | | | |
| 2102006000 | | 37001 | | | |
| 2102007000 | | 37001 | | | |
| 2102008000 | | 37001 | | | |
| 2102011000 | | 37001 | | | |
| 2102012000 | | 37001 | | | |
| 2103001000 | | 37001 | | | |

Showing 1 to 10 of 200 entries

First Previous 1 2 3 4 5 Next Last

Edit Search Criteria

Local intranet 100%

Editing Emissions

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/process/area/emissions.html?areaLocationId=-18939&sc=2102002000&emission

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

Facilities

- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data

REPORTS

- » Request Reports
- » Report Downloads
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables
- » QA Checks
- » EIS Bridge

SUPPORT

- » View All Announcements
- » View Support Requests
- » Create Support Request

ACCOUNT DATA

▼ Reporting Periods: Select one or more Data Sets to view emissions

Show 10 entries

| DataSet | Inventory Year | Reporting Period Type | Emissions Operating Type Code | Start Date | End Date |
|--|----------------|-----------------------|-------------------------------|------------|------------|
| 2002 NEI | 2002 | Annual | | 2002-01-01 | 2002-12-31 |
| North Carolina Department of Environment and Natural Resources | 2008 | Annual | | | |
| 2005 NEI | 2005 | Annual | | 2002-01-01 | 2002-12-31 |
| 2008 V1_5 GPR | 2008 | Annual | | | |

Showing 1 to 4 of 4 entries

Download Results: [CSV](#)

First Previous 1 Next Last

▼ Emissions

| Pollutant type | Pollutant Code | Pollutant | North Carolina Department of Environment and Natural Resources 2005 Annual | 2005 NEI 2005 Annual | 2008 V1_5 GPR 2008 Annual |
|----------------|----------------|-----------------------------|--|--------------------------|-------------------------------|
| CAP | CO | Carbon Monoxide | 0 TON | 1.24265 LB | 0 TON |
| CAP | NOX | Nitrogen Oxides | 0 TON | 2.73384 LB | 0 TON |
| CAP | NH3 | Ammonia | 0 TON | 0.00745593 LB | 0 TON |
| CAP | PM25-PRI | PM2.5 Primary (Filt + Cond) | 0 TON | 0.606415 LB | 0 TON |
| CAP | PM10-PRI | PM10 Primary (Filt + Cond) | 0 TON | 3.24084 LB | 0 TON |
| CAP | VOC | Volatile Organic Compounds | 0 TON | 0.0124265 LB | 0 TON |
| CAP | SO2 | Sulfur Dioxide | 0 TON | 15.2998 LB | 0 TON |

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Editing Emissions

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/emissions/view.html?emissionsId=305045187

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

EIS Gateway

Sally Dombrowski; North Carolina Department of Environment and Natural Resources; Authenticated Role, S/L/T User Role

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data

REPORTS

- » Request Reports
- » Report Downloads
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables

Emissions Detail

» Location

» Emissions Process

» Reporting Period

▼ Emissions

| | | |
|-------------------------------------|--|----------------------------------|
| Pollutant: | Carbon Monoxide | Edit Emissions |
| Total emissions: | 0.0 | Delete Emissions |
| Emissions Unit of Measure: | TON | |
| Emissions calculation method: | 8 - USEPA Emission Factor (no Control Efficiency used) | |
| Emissions factor: | 1.0 | |
| Emissions Factor UoM (Numerator): | TON | |
| Emissions Factor UoM (Denominator): | TON | |
| Emissions factor text: | | |
| Comment: | | |
| Last updated from: | Phyllis Jones | |
| Last updated by agency: | North Carolina Department of Environment and Natural Resources | |
| Last updated on: | 2011-02-17 05:14 PM | |

Adding Emissions

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/process/area/emissions.html?areaLocationId=-18939&sc=2102002000&emission

File Edit View Favorites Tools Help

Convert Select

EIS

Process Emissions

» Facility Inventory and Point Emissions

» Potential Duplicate Facilities

» Nonpoint/ Onroad/ Nonroad Emissions

» Event Emissions

» NCD Activity Data

REPORTS

» Request Reports

» Report Downloads

» Large File Download

» Feedback Reports

» Agency Submission History Report

REFERENCE DATA

» Reporting Code Tables

» QA Checks

» EIS Bridge

SUPPORT

» View All Announcements

» View Support Requests

» Location

» Emissions Process

▼ Reporting Periods: Select one or more Data Sets to view emissions

Show 10 entries

| DataSet | Inventory Year | Reporting Period Type | Emissions Operating Type Code | Start Date | End Date |
|--|----------------|-----------------------|-------------------------------|------------|------------|
| 2002 NEI | 2002 | Annual | | 2002-01-01 | 2002-12-31 |
| North Carolina Department of Environment and Natural Resources | 2008 | Annual | | | |
| 2005 NEI | 2005 | Annual | | 2002-01-01 | 2002-12-31 |
| 2008 V1_5 GPR | 2008 | Annual | | | |

Showing 1 to 4 of 4 entries

Download Results: [CSV](#)

First Previous 1 Next Last

▼ Emissions

| Pollutant type | Pollutant Code | Pollutant | North Carolina Department of Environment and Natural Resources 2008 Annual |
|----------------|----------------|-----------------------------|--|
| CAP | CO | Carbon Monoxide | 0 TON |
| CAP | NOX | Nitrogen Oxides | 0 TON |
| CAP | NH3 | Ammonia | 0 TON |
| CAP | PM25-PR1 | PM2.5 Primary (Filt + Cond) | 0 TON |
| CAP | PM10-PR1 | PM10 Primary (Filt + Cond) | 0 TON |

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Adding Emissions

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/period/view.html?reportingPeriodId=16794057

File Edit View Favorites Tools Help

Convert Select

EIS

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data

REPORTS

- » Request Reports
- » Report Downloads
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables
- » QA Checks
- » EIS Bridge

SUPPORT

- » View All Announcements
- » View Support

Reporting Period View

» Location

» Emissions Process

» Reporting Period

Reporting Period Type: Annual

Emissions Operating Type Code:

Inventory Year: 2008

Reporting Agency: North Carolina Department of Environment and Natural Resources

Data Set: North Carolina Department of Environment and Natural Resources

Start Date:

End Date:

Material Code: Employee

Calculation Parameter Type: Existing

Calculation Parameter Value: 22657.0

Calculation Parameter UOM: EACH

Calculation Data Year:

Calculation Data Source:

Comment:

Last updated from: Phyllis Jones

Last updated by agency: North Carolina Department of Environment and Natural Resources

Last updated on: 2011-02-17 05:14 PM

» Operating Details

» Reporting Period Supplemental Calculation Parameters

» Control Approaches

» Regulations

» Excluded Locations

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/emissions/add.html?reportingPeriodId=16794057&reportingPeriod=16794057

File Edit View Favorites Tools Help

Convert Select

EIS

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data

REPORTS

- » Request Reports
- » Report Downloads
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables
- » QA Checks
- » EIS Bridge

SUPPORT

- » View All Announcements

Add Emissions

» Location

» Emissions Process

» Reporting Period

» Emissions

Pollutant: -- Select --

Total Emissions:

Emissions Unit Of Measure: -- Select --

Emissions Calculation Method: -- Select --

Emissions Factor:

Emissions Factor UOM (numerator): -- Select --

Emissions Factor UOM (denominator): -- Select --

Emissions Factor Text:

Comment:

Save Undo Cancel

Agency Submission History Report

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/reports/analysis/agencySubmissionHistory.html

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

EIS Gateway

Sally Dombrowski; North Carolina Department of Environment and Natural Resources; Authenticated Role, S/L/T User Role

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data

REPORTS

- » Request Reports
- » Report Downloads
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables

Agency Submission History Report

Select the inventory year of interest

Select inventory year

Inventory Year: 2008

Show 10 entries

Search:

| Agency Organization | Region Code | Facility Inventory | Point | Nonpoint | Onroad | Nonroad | Event |
|--|-------------|---------------------|---------------------|---------------------|---------------------|---------|---------------------|
| North Carolina Department of Environment and Natural Resources | 04 | 2010-12-02 05:10 PM | 2011-09-20 12:29 PM | 2011-12-12 01:23 PM | 2010-08-18 01:47 PM | N/A | 2010-08-31 02:42 PM |

Showing 1 to 1 of 1 entries

Download Results: [CSV](#)

First Previous 1 Next Last

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Agency Submission History Report

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/reports/analysis/agencyCountyCount.html?inventoryYear=2008&agencyId=-114

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

EIS Gateway

Sally Dombrowski; North Carolina Department of Environment and Natural Resources; Authenticated Role, S/L/T User Role

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data

REPORTS

- » Request Reports
- » Report Downloads
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables

Agency County/Tribe Count Report

▼ Agency/Data Category Context

Agency Description: North Carolina Department of Environment and Natural Resources
 Data Category: Nonpoint
 Inventory Year: 2008

Show 10 entries Search:

| County/Tribal Code | County/Tribal Name | Unique Processes Count | Unique Pollutants Count | Unique SCC/Pollutants Count |
|--------------------|--------------------|------------------------|-------------------------|-----------------------------|
| 37001 | Alamance | 120 | 43 | 285 |
| 37003 | Alexander | 119 | 7 | 242 |
| 37005 | Alleghany | 118 | 7 | 235 |
| 37007 | Anson | 119 | 7 | 242 |
| 37009 | Ashe | 118 | 7 | 235 |
| 37011 | Avery | 118 | 7 | 235 |
| 37013 | Beaufort | 118 | 7 | 235 |
| 37015 | Bertie | 119 | 7 | 242 |
| 37017 | Bladen | 118 | 7 | 235 |
| 37019 | Brunswick | 118 | 7 | 235 |

Done Local intranet 100%

Agency Submission History Report

https://eis.epa.gov/eis-system-web/reports/i EIS

Google Search More >> Sign In

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Merge Processes
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data
- » Inventory Selection

REPORTS

- » Request Reports
- » Report Downloads
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables
- » QA Checks
- » View Dataset Identifiers
- » Inventory Cycle Management
- » EIS Bridge

SUPPORT

- » Administration Console

Agency County/Tribe Pollutant Count Report

Report Context

Agency Description: [Alabama Department of Environmental Management](#)
Data Category: Nonpoint
County: [01001 - Autauga, AL](#)
Inventory Year: 2008

Show 100 entries Search:

| SCC | Emissions Type Code | Pollutant Count | Expected Pollutant Count |
|------------|---------------------|-----------------|--------------------------|
| 2102001000 | | 10 | 0 |
| 2102002000 | | 10 | 0 |
| 2102004000 | | 10 | 0 |
| 2102005000 | | 10 | 0 |
| 2102006000 | | 10 | 0 |
| 2102007000 | | 10 | 0 |
| 2102011000 | | 10 | 0 |
| 2103001000 | | 10 | 0 |
| 2103002000 | | 10 | 0 |
| 2103004000 | | 10 | 0 |
| 2103005000 | | 10 | 0 |
| 2103006000 | | 10 | 0 |
| 2103007000 | | 10 | 0 |
| 2103011000 | | 10 | 0 |
| 2104008100 | | 36 | 0 |
| 2104008210 | | 54 | 0 |
| 2104008220 | | 56 | 0 |
| 2104008230 | | 54 | 0 |
| 2104008310 | | 54 | 0 |
| 2104008320 | | 54 | 0 |

2:04 PM 2/23/2012

How do I get data out of EIS?

The screenshot shows the EIS System Web Reports page. The left sidebar contains several sections: **REPORTS** (with links to Request Reports, Report Downloads, Large File Download, Feedback Reports, Agency Submission History Report), **REFERENCE DATA** (with links to Reporting Code Tables, QA Checks, View Dataset Identifiers, Inventory Cycle Management, EIS Bridge), **SUPPORT** (with links to Administration Console, View All Announcements, View Support Requests, Create Support Request), and **ACCOUNT DATA** (with links to My Account, My Agency, Account List, Current Users List, Account Request List). The main content area is titled "Facility Configuration" and lists 7 reports. The "Emissions Snapshot" section describes CERS XML format data. The "Emissions Summaries" section describes aggregated data in CSV format. The "Event Comparisons" section provides comparison reports. The "Downloads" section lists available files. Red circles highlight the "Request Reports" link in the sidebar and the "By Geography" link in the "Emissions Summaries" table.

REPORTS

- » Request Reports
- » Report Downloads
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables
- » QA Checks
- » View Dataset Identifiers
- » Inventory Cycle Management
- » EIS Bridge

SUPPORT

- » Administration Console
- » View All Announcements
- » View Support Requests
- » Create Support Request

ACCOUNT DATA

- » My Account
- » My Agency
- » Account List
- » Current Users List
- » Account Request List

Facility Configuration

7 reports providing details of different aspects of the Facility Configurations, across all Agencies, filterable by geography, NAICs, Facility Type, Oper Status or Reg Code. Only EIS identifiers provided.

▼ Emissions Snapshot

All Emissions data elements in CERS XML format for Point, Nonpoint, Onroad, Nonroad, or Event emissions. Can be run for either S/L/T Agency reported emissions or for USEPA emissions datasets. Data is returned at Process ID or SCC level detail. Snapshot updates can be requested and will be generated overnight.

| Report Name | Report Description |
|---------------------------------------|--|
| By Responsible Agency | Point, Nonpoint, Onroad, Nonroad, Event emissions data for a single S/L/T Agency's jurisdiction. Both EIS and S/L/T Agency identifiers are provided. |
| By Facility Type | Point emissions data for all facilities which have been tagged as a single specific Facility Type. Only EIS identifiers are provided. |

▼ Emissions Summaries

Emissions data aggregated to various levels of detail in a flat file CSV format. Can filter by pollutant, geographic area, Facility Type, NAICS, regulations, sector or Source Classification Codes. Request run every 15 minutes.

| Report Name | Report Description |
|------------------------------|--|
| By Facility | Point emissions data at facility, unit, process, or release point level. Both EIS and S/L/T Agency identifiers are provided. |
| By Geography | Point, Nonpoint, Onroad, Nonroad or Event emissions data at National, Regional, State/Tribe or County geographic level. |

▼ Event Comparisons

| Report Name | Report Description |
|---|---|
| Event/Event Comparison | Provides a comparison for events that may have been reported in more than one data set. |
| Event/Nonpoint Comparison | Provides a comparison of emissions where event related emissions may have been reported in both the Event and NonPoint data categories. |

▼ Downloads

| Report Name | Report Description |
|-------------------------------------|---|
| Large File Download | Also located under Reports on the Gateway sidebar, a set of full US emissions summaries and SMOKE flat files already generated and available for download. |
| Report Downloads | Also located under Reports on the Gateway sidebar, reports requested for download as well as reports requested by other users within your agency can be found here. |

Reports – Emissions by Geography

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/reports/geographicAggregate/criteria.html

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data

REPORTS

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- » Agency Submission History Report

REFERENCE DATA

- » Reporting Code Tables
- » QA Checks
- » EIS Bridge

SUPPORT

- » View All Announcements

Emissions Summaries by Geography (CSV)

Report Criteria

| | |
|--------------------|---------------------------------------|
| Report Type | » a Report Type is required. |
| Data Set | » a Data Set is required. |
| Pollutants | » at least one Pollutant is required. |
| Geography | » All geographic regions included. |
| Sectors | » All Sectors Selected. |

Report Type

| |
|--------------------------------------|
| National by Data Category |
| National by Sector |
| National by Source Classification |
| Regional by Data Category |
| Regional by Sector |
| Regional by Source Classification |
| State/Tribe by Data Category |
| State/Tribe by Sector |
| State/Tribe by Source Classification |
| County by Data Category |
| County by Sector |
| County by Source Classification |

Data Set or Selection

Done Local intranet 100%

Reports

Emissions by Geography

The screenshot displays the EPA Emissions by Geography (CSV) report interface. The browser address bar shows the URL <https://eis.epa.gov/eis-system-web/reports/>. The page title is "Emissions Summaries by Geography (CSV)".

Navigation Sidebar:

- VIEW/ADD/EDIT**
 - » Facility Inventory and Point Emissions
 - » Potential Duplicate Facilities
 - » Merge Processes
 - » Nonpoint/ Onroad/ Nonroad Emissions
 - » Event Emissions
 - » NCD Activity Data
 - » Inventory Selection
- REPORTS**
 - » Request Reports
 - » Report Downloads
 - » Large File Download
 - » Feedback Reports
 - » Agency Submission History Report
- REFERENCE DATA**
 - » Reporting Code Tables
 - » QA Checks
 - » View Dataset Identifiers
 - » Inventory Cycle Management
 - » EIS Bridge
- SUPPORT**
 - » Administration Console

Main Content Area:

Report Criteria

- Report Type: » County by Source Classification
- Data Set: » 2008-2008 V2_0 GPR
- Pollutants: » at least one Pollutant is required.
- Geography: » All geographic regions included.
- Sectors: » All Sectors Selected.

Data Set or Selection

Show 10 entries

| Data Set or Selection | Inventory Year | Data Set Name |
|-----------------------|----------------|---------------------|
| Selection | 2009 | 2009 v1 GPR |
| Selection | 2008 | 2008 V1_5 GPR |
| Selection | 2008 | 2008 V1_7 GPR |
| Selection | 2008 | 2008 V2_0 GPR |
| Selection | 2008 | 2008 V2_0 Point GPR |

Showing 1 to 5 of 5 entries (filtered from 503 total entries)

First Previous 1 Next Last

Additional Links:

- » Pollutants
- » Regions
- » States
- » Counties
- » Data Categories
- » Sectors
- » Source Classifications

Buttons: Run Report, Request Download

Search Bar: A red circle highlights the search bar containing the text "gpr".

System Information: 2:32 PM, 2/23/2012

Reports

Emissions by Geography

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/reports/geographicAggregate/criteria.html

File Edit View Favorites Tools Help

Convert Select

EIS

» Potential Duplicate Facilities

» Nonpoint/ Onroad/ Nonroad Emissions

» Event Emissions

» NCD Activity Data

REPORTS

» Request Reports

» Report Downloads

» Large File Download

» Feedback Reports

» Agency Submission History Report

REFERENCE DATA

» Reporting Code Tables

» QA Checks

» EIS Bridge

SUPPORT

» View All Announcements

» View Support Requests

» Create Support Request

Report Type » National by Sector

Data Set » 2008-2008 V1_5 GPR

Pollutants » NOX

Geography » All geographic regions included.

Sectors » All Sectors Selected.

» Report Type

» Data Set or Selection

▼ Pollutants

Select **All** All Active All CAPs Active CAPs All HAPs Active HAPs 16 HAPs None

Show 10 entries Search: nox

| Pollutant Type | Pollutant Code | Pollutant Name | Status |
|----------------|----------------|---------------------------------|--------|
| CAP | CO | Carbon Monoxide | Active |
| CAP | NOX | Nitrogen Oxides | Active |
| HAP | 94757 | 2,4-Dichlorophenoxy Acetic Acid | Active |

Showing 1 to 3 of 3 entries (filtered from 471 total entries)

First Previous 1 Next Last

» Sectors

Run Report Request Download

Local intranet 100%

Reports – Emissions by Geography

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/reports/geographicAggregate/criteria.html

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
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REFERENCE DATA

- » Reporting Code Tables
- » QA Checks
- » EIS Bridge

SUPPORT

- » View All Announcements
- » View Support

Emissions Summaries by Geography (CSV)

Report Criteria

| | |
|-------------|--------------------------------------|
| Report Type | » National by Sector |
| Data Set | » 2008-2008 V1_5 GPR |
| Pollutants | » NOX |
| Geography | » All geographic regions included. |
| Sectors | » Fires - Agricultural Field Burning |

| |
|-------------------------|
| » Report Type |
| » Data Set or Selection |
| » Pollutants |
| ▼ Sectors |

Show 10 entries Search:

| Sector |
|--------------------------------------|
| Agriculture - Crops & Livestock Dust |
| Agriculture - Fertilizer Application |
| Agriculture - Livestock Waste |
| Bulk Gasoline Terminals |
| Commercial Cooking |
| Dust - Construction Dust |
| Dust - Paved Road Dust |
| Dust - Unpaved Road Dust |
| Fires - Agricultural Field Burning |
| Fires - Prescribed Fires |

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Emission Summary by Geography

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/reports/geographicAggregate/criteria.html

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EIS

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VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
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REFERENCE DATA

- » Reporting Code Tables
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SUPPORT

- » View All Announcements
- » View Support

Emissions Summaries by Geography (CSV)

Report Criteria

| | |
|-------------|--------------------------------------|
| Report Type | » National by Sector |
| Data Set | » 2008-2008 V1_5 GPR |
| Pollutants | » NOX |
| Geography | » All geographic regions included. |
| Sectors | » Fires - Agricultural Field Burning |

Decimal Scientific Notation

Show 10 entries Search:

| Sectors | Emissions Operating Type | NOX (TON) |
|------------------------------------|--------------------------|-----------|
| Fires - Agricultural Field Burning | | 8927.9610 |

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Download Results: CSV

Edit Report Criteria Request Download

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Report Downloads

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/reports/downloads/list.html

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EIS Gateway

Sally Dombrowski; EIS; Content Manager Role, Authenticated Role, Inventory Selector Role, Inventory Developer Role, Account Manager Role

VIEW/ADD/EDIT

- » Facility Inventory and Point Emissions
- » Potential Duplicate Facilities
- » Merge Processes
- » Nonpoint/ Onroad/ Nonroad Emissions
- » Event Emissions
- » NCD Activity Data
- » Inventory Selection





















REPORTS

- » Request Reports
- » **Report Downloads**
- » Large File Download
- » Feedback Reports
- » Agency Submission History Report

REFERENCE DATA

Reports Available for Download

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| | Report Type | Time Requested | Time Generated | First Name | Last Name |
|---|---------------------------------------|---------------------|---------------------|------------|-----------|
|   | State/Tribal by Source Classification | 2012-01-31 12:50 PM | | Ron | Ryan |
|   | National by Source Classification | 2012-01-31 12:45 PM | 2012-01-31 12:46 PM | Ron | Ryan |
|   | National by Source Classification | 2012-01-31 11:39 AM | 2012-01-31 11:46 AM | Madeleine | Strum |
|   | National by Data Category | 2012-01-31 10:31 AM | 2012-01-31 10:46 AM | Roy | Huntley |
|   | Facility | 2012-01-31 09:49 AM | 2012-01-31 10:03 AM | Anthony | Ross |
| Report Type: Facility Data Set: 2008-2008 V2_0 GPR Pollutants: CO, SO2, NOX, VOC, PM25-PRI, PM10-PRI, 7439921 States: MN | | | | | |
|   | Facility | 2012-01-31 09:49 AM | 2012-01-31 10:03 AM | Anthony | Ross |
|   | Facility | 2012-01-31 09:48 AM | 2012-01-31 10:03 AM | Anthony | Ross |
|   | Facility | 2012-01-31 09:48 AM | 2012-01-31 10:03 AM | Anthony | Ross |
|   | Facility | 2012-01-31 09:47 AM | 2012-01-31 09:48 AM | Anthony | Ross |
|   | Facility | 2012-01-31 09:46 AM | 2012-01-31 09:48 AM | Anthony | Ross |

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How does EPA Check Your Data?

- EPA compares submitted data to alternate data (like EPA data) if applicable and to previous yrs.
 - Note that for sectors that span both point and nonpoint, compares sector level data (as opposed to SCC level)
 - Point /nonpoint overlap of emissions.
- Outliers

How is the NEI created?

- General Purpose Release (GPR)
- Data Merge (Selection) – The datasets are put in an order for the purpose of selecting only one datum per FIPS, SCC, and pollutant code
 - State/local/tribal data used preferentially
 - EPA data used for gap-filling
- PM Augmentation – Fills in missing PM species.
 - Example, SLT submits PM10-FIL but not PM2.5-FIL
 - In 2008, this was a manual method
- EPA estimates

Recap - 2011 Changes

- Codes added/retired
 - Retiring Dioxins/furans
 - 141 (benzene soluble organics),
 - 142 (methylene chloride soluble organics),
 - 626 (Dioxins/Furans as 2,3,7,8-TCDD TEQs -I/89)
 - 627 Dioxins/Furans as 2,3,7,8-TCDD TEQs - WHO/98
 - 600 Dioxins/Furans as 2,3,7,8-TCDD TEQs - TEQ scheme unspecifiedNew QA checks
 - Adding
 - 628 (Dioxins/Furans as 2,3,7,8-TCDD TEQs - WHO2005)

Recap – 2011 Changes

- QA Checks – changed to critical
 - CMV
 - Emission Type Code required for CMV
 - PM
 - PM2.5 must not exceed PM10
 - If PM2.5 reported, PM10 must be reported
- QA Checks - new
 - HAP groups
 - Total group pollutant can not be reported at the same process as specific pollutants belonging to the same group.

Contacts

- Submittal Issues
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- Inventory Issues
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 - Laurel Driver – CMV and Rail
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