

# Point 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 unit/process
  - Annual, monthly, 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
  - Inventory version shared with the public
  - One emissions value per process selected
  - Annual emissions values

# S/L/T Reporting

- Criteria Pollutants Required by Air Emissions Reporting Rule (AERR) <http://www.epa.gov/ttn/chief/aerr/>
  - Complete criteria pollutant inventory every 3 years
    - All point sources (100 tpy potential to emit threshold)
    - 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
    - SO<sub>2</sub>, NO<sub>x</sub>, CO with potential to emit  $\geq 2,500$  tpy
    - VOC, PM, NH<sub>3</sub> with potential to emit  $\geq 250$  tpy
    - Pb with potential to emit  $\geq 5$  tpy (to be amended to agree with Lead NAAQS level of  $\geq 0.5$  tpy)
- HAPs are submitted voluntarily by many S/L/Ts and are encouraged as part of an integrated report
  - EPA plans to gap fill HAP emissions where missing (e.g., TRI, rule data)

# 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 is the Point Inventory?

- **Emissions** estimates for **the facility inventory**
  - By pollutant
  - By process
  - By inventory year/reporting period (e.g., 2011 annual)
- In addition to emissions, point data may include
  - Throughput (by process and inventory/year reporting period)
  - Operating details
  - Supplemental parameters

# Important Concepts (1)

- Emissions may only be reported for an existing process
  - Existing process cannot have a Process End Year prior to inventory year
  - Unit from existing process should be operating in inventory year (PS ok if it is PS in 2012 and you are submitting 2011...)
  - SCC code for process must be a valid one
- All pollutants for a given process must be reported together
  - 2008 inventory cycle pitfall: Some agencies inadvertently re-submitted just some pollutants and as a result, all other pollutants were wiped out
  - Each submittal overwrites the last for a given process
  - You can submit different facilities or different processes at a facility in separate submittals

# Important Concepts (2)

- Your emissions will **NOT** be adjusted by EPA
  - For the 2008 NEI, EPA speciated SLT chromium
  - To get it into the NEI, we submitted the speciated chromium as a SEPARATE EPA dataset
  - The SLT unspeciated chromium is in EIS, it is in your dataset
- EIS can support emission values from multiple sources
- Can use LB, TON or metric to submit emissions-
  - EIS reports show HAPs in LB and CAPs in TON
- Report controlled emissions, not uncontrolled
  - We have seen control/capture/effectiveness values of 100% for processes with non-zero emissions. If 100% is truly controlled then emissions should be zero

# Important Concepts (3)

- Report Process-level, not facility level
  - Ideally, emissions of all pollutants emitted from a process would be reported at the process-level using a descriptive SCC and well-defined unit
  - Your VOC HAPs should sum to LESS than (or equal to) your VOC
  - Your Particulate HAPs plus lead should sum LESS than (or equal to) your PM-10
- If you report any pollutants at the facility-level, emissions could cause potential double counting and other problems –
  - We saw this in some of the 2008 data - EPA data chosen ahead of SLT where found to be facility level

# Submitting Your Point Inventory (Emissions)

Tables
AlternativeFacilityIdentification
AlternativeFacilityName
AlternativeUnitIdentification
<b>CERS</b>
ControlApproach
ControlMeasure
ControlPollutant
<b>Emissions</b>
EmissionsProcess
EmissionsUnit
<b>ExchangeHeader</b>
FacilitySite
FacilitySiteGeographicCoordinates
OperatingDetails
Regulation
ReleasePoint
ReleasePointApportionment
ReleasePointGeographicCoordinates
<b>ReportingPeriod</b>
SupplementalParameter

7 Tables Required as highlighted  
“Staging Tables”

CERS and ExchangeHeader are the “Administrative” Tables and the others contain your data

## CERS

- User identifier: **must be** registered EIS account ID (email) with CDX submittal privileges
- Program System Code: identifiers in your table
- Emissions Year: e.g., **2011**

## ExchangeHeader

Your name, Org, Doc title, keywords, comments

DataFlowName: must be **EIS\_v1\_0**

Property-SubmissionType: must be either **QA** or **Production**

Property-DataCategory: must be **Point** if you are submitting your Point Inventory.

# How to Populate the Tables for Your Point Inventory Submittal (1)

- Facility Site - Required
  - Facility Site Identifier and Facility Site Program System Code, **OR**
  - EIS Facility Site Identifier
  - State/County FIPS or Tribal Code
- Emissions Unit - Required
  - Facility Site Identifier and Facility Site Program System Code, **OR**
  - EIS Facility Site Identifier
  - State/County FIPS or Tribal Code
  - Unit Identifier and Unit Program System Code, **OR**
  - EIS Emissions Unit Identifier
- Emissions Process - Required
  - Facility Site Identifier and Facility Site Program System Code, **OR**
  - EIS Facility Site Identifier
  - State/County FIPS or Tribal Code
  - Unit Identifier and Unit Program System Code, **OR**
  - EIS Emissions Unit Identifier
  - Emissions Process Identifier and Process Program System Code, **OR**
  - EIS Emission Process Identifier

# How to Populate the Tables for Your Point Inventory Submittal (2)

- Reporting Period – Required
  - Facility Site Identifier and Facility Site Program System Code, **OR**
  - EIS Facility Site Identifier
  - State/County FIPS or Tribal Code
  - Unit Identifier and Unit Program System Code, **OR**
  - EIS Emissions Unit Identifier
  - Emissions Process Identifier and Process Program System Code, **OR**
  - EIS Emission Process Identifier
  - **Reporting Period Type Code -- A for annual**
  - **Emissions Operating Type Code --- R for routine**
- Reporting Period – Optional
  - Start Date / End Date for episodic reporting only
  - Activity (e.g., throughput ) fields– if you provide, must have these all 4 together (1) Calculation parameter value, (2) Calculation Material Code, (3) Calculation Parameter Type Code, (4) Calculation UOM
  - Optional Activity fields -- Data Year, Data Source
  - Reporting Period Comment

# How to Populate the Tables for Your Point Inventory Submittal (3)

- Emissions – Required
  - Facility Site Identifier and Facility Site Program System Code, **OR**
  - EIS Facility Site Identifier
  - State/County FIPS or Tribal Code
  - Unit Identifier and Unit Program System Code, **OR**
  - EIS Emissions Unit Identifier
  - Emissions Process Identifier and Process Program System Code, **OR**
  - EIS Emission Process Identifier
  - Reporting Period Type Code
  - Emissions Operating Type Code
    - Each record must have at least one Reporting Code of “A” (annual) and one Emissions Operating Type Code of “R” (Routine)
  - **Pollutant Code**
  - **Total Emissions and UOM**
  - **Emission Calculation Method Code**
- Optional **BUT DESIRED**
  - Emission Factor, EF Numerator and Denominator, Factor Text
  - Emissions Comment

# How to Populate the Tables for Your Point Inventory Submittal (4)

- Operating Details – Optional
  - Facility Site Identifier and Facility Site Program System Code, **OR**
  - EIS Facility Site Identifier
  - State/County FIPS or Tribal Code
  - Unit Identifier and Unit Program System Code, **OR**
  - EIS Emissions Unit Identifier
  - Emissions Process Identifier and Process Program System Code, **OR**
  - EIS Emission Process Identifier
  - Reporting Period Type Code
  - Emissions Operating Code
  - **Actual Hours Per Period, Average Days Per Week, Average Weeks Per Period**
  - **Seasonal Throughputs – Must equal 100**

# How to Populate the Tables for Your Point Inventory Submittal (5)

- Supplemental Parameter – **Optional**
  - Facility Site Identifier and Facility Site Program System Code, **OR**
  - EIS Facility Site Identifier
  - State/County FIPS or Tribal Code
  - Unit Identifier and Unit Program System Code, **OR**
  - EIS Emissions Unit Identifier
  - Emissions Process Identifier and Process Program System Code, **OR**
  - EIS Emission Process Identifier
  - Reporting Period Type Code
  - Emissions Operating Code
  - **Supplemental Calculation Parameter Type**
    - Heat Content, Percent Sulfur Content, or Percent Ash Content only
  - **Supplemental Calculation Parameter Value**
  - **Supplemental Calculation Parameter Numerator and Denominator**
    - Heat Content must be BTU or E6BTU
  - **Supplemental Calculation Parameter Data year**
  - **Supplemental Calculation Parameter Data Source**
  - **Supplemental Calculation Parameter Comment**

# Submission Process Using the Bridge Tool

EIS Bridge version 2.5

File Help

Select one:

- Generate blank staging tables
- Convert populated staging tables to CERS XML
- Convert CERS XML to staging tables

Data Category: Point Emissions

Source File: \*.mdb Browse

Start

Select the Data Category being converted.

Browse for Access file and select "Start".

**REMEMBER:** The Bridge Tool works on Access 2003. If you 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.
- Solution: Open xml file in a web browser. The last line will show where the special character is located. This character may not be visible to the viewer. Delete the data and re-enter without using cut and paste.

# Widows and Orphans

- Bridge Tool converted Point staging table but no emissions appear in the xml file, or you get a long error message about tables you may not have even submitted
  - If the submitter uses the EIS Identifiers in one table they must be used in all tables.
  - All tables must have the consistent data, e.g., records reported in your Reporting Period table that should be in the Emissions table

# Submission Process

- Two methods
  - Node-to-node
  - CDX web client (most common method)
    - <https://nodewebrss.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
  - All critical errors should be addressed prior to your Production submission
  - Production submission is your official submission and will update the EIS
- Do not submit your POINT inventory directly after your facility inventory. If you have a problem in your facility inventory it will cause your POINT to fail as well.



Exchange Network Web Client v2.0

Contact Us

Please Sign In.

ID ombrowski.sally@epa.gov

Password ●●●●●●

Domain default

- default
- IAMLdap
- EPA

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



# Exchange Network Web Client v2.0

Welcome to the Node 2.0 Web Interface

RSS/ATOM News Channel: RecoveryChannel RSS  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

- 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

Select EIS from the left-hand side bar

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



# Exchange Network Web Client v2.0

EIS\_v1\_0 Data Exchange (Show Help...)

- 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

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".

# Email Notifications

- First email, from “CDX Notification”, immediate
  - Transaction Status: **Pending**
- Second email – also from “CDX Notification”, 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

# The Feedback Report Summary Tab

Look here first

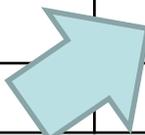
Submitter ID	Submission Date	Submission Status	CDX Submission ID	Submitted to	Data Category	Total System Errors	Total Critical Errors	Total Protected Errors	Total Warnings	Total Duplicates	Program System Code	Facility Site ID	System Errors per Facility	Critical Errors per Facility	Protected Errors per Facility	Warnings per Facility
brandon.p orter@dep .state.fl.us	2012- 01-31 01:14 PM	COMPL ETED	_4755be 18-6c14- 454a- b37a- f29e4c83 4fce	QA	Point	0	37	0	29	0						
											FLDE P	00101 29	0	2	0	0
											FLDE P	10504 22	0	0	0	1

# Feedback Report

## Statistics Tab

Nothing was really added for a QA submittal, but it is for a Production submittal

Component	Added	Updated
ReportingPeriod	1157	0
OperatingDetails	1157	0
SupplementalCalculationParameter	437	0
Emissions	4077	0
<b>Total</b>	<b>6828</b>	<b>0</b>



If all went well, this should match the number of records in your emissions table. If it is less, then you had critical errors. Don't correct just those errors and resubmit because whenever you submit emissions for a process, if you don't submit all pollutants they will get wiped out.

# Feedback Report

## System Errors

- System errors will generally always take care of themselves when all critical errors have been addressed.

# Feedback Report-Critical Errors

FIPS/ Tribal Code	Facility Site ID	Emissions Unit ID	Release Point ID	Process ID	process id	Reporting Period Type	Pollutant Code	Critical Error	Critical Error Type	Critical Error Message	Resolution Message	Associated Data Component	Associated Data Component ID	Associated Data Element
06011	EIS-76611	EIS-51948213		EIS-595643014	59563014	A		1930	Cardinality	When reporting emissions, a pollutant may not reported multiple times under a single reporting period.		Reporting Period		
06011	EIS-76611	EIS-51948313		EIS-595642914	59562914	A		1930	Cardinality	When reporting emissions, a pollutant may not reported multiple times under a single reporting period.		Reporting Period		
06011	EIS-76611	EIS-51948613		EIS-595642614	59562614	A		1930	Cardinality	When reporting emissions, a pollutant may not reported multiple times under a single reporting period.		Reporting Period		

# Common Errors

- -error 1770 - Process ID does not exist.
  - Might be occurring if you submit your Point right after your facility inventory and you did not resolve critical errors or the Potential Duplicate Facilities error
- Emission calculation method code is required

# Important Changes To QA checks on Emissions

- We are replacing the warning check on emissions values to CRITICAL
  - We are in the process of deriving new limits that will keep out true outliers
  - System will allow us to change limits if we need to
  - send a Support Request if you get a critical error that you think is not a true outlier
- Several pollutant specific new critical error checks to be covered ahead

# How do I edit an emissions value?

- Edit emissions values by
  - Batch upload (Staging Tables)
    - Remember to include all pollutants previously reported, including the emission to be changed.
  - Gateway
    - Easiest and safest if you only have a few changes.

# Editing Emissions on the Gateway (1)

**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

### View Emissions Process Detail

- » Facility Site
- » Emissions Unit
- ▼ Emissions Process
  - EIS Process ID: 61525014
  - Agency Process ID: 01
  - Program System Code: ADEM
  - EPA Process ID:
  - EPA Program System Code:
  - SCC: 10200602
  - Aircraft Engine Type Code:
  - Emissions Process Description:
  - SCC Level One: External Combustion Boilers
  - SCC Level Two: Industrial
  - SCC Level Three: Natural Gas
  - SCC Level Four: 10-100 Million Btu/hr
  - Last Inventory Year:
  - Comment:
  - Last updated from: Elizabeth Spring Tate
  - Last updated by agency: Alabama Department of Environmental Management
  - Last updated on: 2010-05-28 12:11 AM

[Edit Emissions Process](#)  
[Delete Emission Process](#)  
[View Emissions](#)

- » Control Approaches
- » Release Point Apportionment
- » Applicable Regulations
- » Emissions Process Audit Log
- » Release Point Apportionment Audit Log

Done Local intranet 100%

# Editing Emissions on the Gateway (2)

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/process/emissions.html?emissionsProcessId=-3095&facilitySiteId=-6643&emission

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

» 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

» View All Announcements

» View Support Requests

DataSet	Inventory Year	Reporting Period Type	Emissions Operating Type Code	Start Date	End Date
2005 NEI	2005	Annual	Routine	2005-01-01	2005-12-31
2002 NEI	2002	Annual	Routine	2002-01-01	2002-12-31
Alabama Department of Environmental Management	2009	Annual	Routine		
Alabama Department of Environmental Management	2008	Annual	Routine		
Alabama Department of Environmental Management	2010	Annual	Routine		
2008 V2_0 GPR	2008	Annual	Routine		
2008 V1_7 GPR	2008	Annual	Routine		
2008 V2_0 Point GPR	2008	Annual	Routine		
2008 Responsible Agency Selection	2008	Annual	Routine		
2008 V1_5 GPR	2008	Annual	Routine		

Showing 1 to 10 of 13 entries

Download Results: [CSV](#)

First Previous 1 2 Next Last

▼ Emissions

Pollutant type	Pollutant Code	Pollutant	Alabama Department of Environmental Management   2008   Annual   Routine
CAP	CO	Carbon Monoxide	0.100000 TON
CAP	NOX	Nitrogen Oxides	0.100000 TON

Showing 1 to 2 of 2 entries

Local intranet 100%

# Editing Emissions on the Gateway(3)

The screenshot shows a web browser window titled "EIS - Windows Internet Explorer provided by EPA". The address bar displays the URL: <https://eis.epa.gov/eis-system-web/emissions/view.html?emissionsId=302588480>. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The main content area features a header for "EIS Gateway" with a user profile for Sally Dombrowski. A left-hand navigation menu contains sections for "VIEW/ADD/EDIT", "REPORTS", and "REFERENCE DATA". The "VIEW/ADD/EDIT" section lists various actions such as "Facility Inventory and Point Emissions", "Potential Duplicate Facilities", "Merge Processes", "Nonpoint/ Onroad/ Nonroad Emissions", "Event Emissions", "NCD Activity Data", and "Inventory Selection". The "REPORTS" section includes "Request Reports", "Report Downloads", "Large File Download", "Feedback Reports", and "Agency Submission History Report". The "REFERENCE DATA" section is currently empty. The main content area displays "Emissions Detail" for a specific emission record. The details include: Facility Site, Emissions Unit, Emissions Process, Reporting Period, and Emissions. The Emissions section shows: Pollutant: Sulfur Dioxide, Total emissions: 0.00120047, Emissions Unit of Measure: TON, Emissions calculation method: 13 - Other Emission Factor (no Control Efficiency used), Emissions factor: Emissions Factor UoM (Numerator): Emissions Factor UoM (Denominator): Emissions factor text: Comment: Last updated from: Laurel Driver, Last updated by agency: EIS, and Last updated on: 2011-02-10 09:43 PM. Two links, "Edit Emissions" and "Delete Emissions", are located to the right of the Emissions section and are circled in red.

**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**

### Emissions Detail

- » Facility Site
- » Emissions Unit
- » Emissions Process
- » Reporting Period
- ▼ Emissions
  - Pollutant: Sulfur Dioxide
  - Total emissions: 0.00120047
  - Emissions Unit of Measure: TON
  - Emissions calculation method: 13 - Other Emission Factor (no Control Efficiency used)
  - Emissions factor:
  - Emissions Factor UoM (Numerator):
  - Emissions Factor UoM (Denominator):
  - Emissions factor text:
  - Comment:
  - Last updated from: Laurel Driver
  - Last updated by agency: EIS
  - Last updated on: 2011-02-10 09:43 PM

[Edit Emissions](#)  
[Delete Emissions](#)

# Editing Emissions on the Gateway (4)

**Edit Emissions**

- ▶ Facility Site
- ▶ Emissions Unit
- ▶ Emissions Process
- ▶ Reporting Period
- ▼ Emissions

**Pollutant:** Chromium III

**Total Emissions:**

**Emissions Unit Of Measure:**

**Emissions Calculation Method:**

**Emissions Factor:**

**Emissions Factor UOM (numerator):**

**Emissions Factor UOM (denominator):**

**Emissions Factor Text:**

**Comment:**

# Adding a pollutant via the Gateway (1)

EIS - Windows Internet Explorer provided by EPA

https://eis.epa.gov/eis-system-web/process/emissions.html?emissionsProcessId=-3095&facilitySiteId=-6643&emission

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

» 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

» View All Announcements

» View Support Requests

DataSet	Inventory Year	Reporting Period Type	Emissions Operating Type Code	Start Date	End Date
2005 NEI	2005	Annual	Routine	2005-01-01	2005-12-31
2002 NEI	2002	Annual	Routine	2002-01-01	2002-12-31
Alabama Department of Environmental Management	2009	Annual	Routine		
Alabama Department of Environmental Management	2008	Annual	Routine		
Alabama Department of Environmental Management	2010	Annual	Routine		
2008 V2_0 GPR	2008	Annual	Routine		
2008 V1_7 GPR	2008	Annual	Routine		
2008 V2_0 Point GPR	2008	Annual	Routine		
2008 Responsible Agency Selection	2008	Annual	Routine		
2008 V1_5 GPR	2008	Annual	Routine		

Showing 1 to 10 of 13 entries

Download Results: [CSV](#)

First Previous 1 2 Next Last

▼ Emissions

Pollutant type	Pollutant Code	Pollutant	Alabama Department of Environmental Management   2008   Annual   Routine
CAP	CO	Carbon Monoxide	0.100000 TON
CAP	NOX	Nitrogen Oxides	0.100000 TON

Showing 1 to 2 of 2 entries

Local intranet 100%

# Adding a pollutant via the Gateway (2)

**EIS - Windows Internet Explorer provided by EPA**

Address: <https://eis.epa.gov/eis-system-web/period/view.html?reportingPeriodId=16389864>

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

### 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

## Reporting Period View

- » Facility Site
- » Emissions Unit
- » Emissions Process
- ▼ Reporting Period

Reporting Period Type:	Annual	<a href="#">Add Emissions</a>
Emissions Operating Type Code:	Routine	
Inventory Year:	2008	
Reporting Agency:	EIS	
Data Set:	EPAAirports1109	
Start Date:		
End Date:		
Material Code:	Landing-Takeoff Cycle	
Calculation Parameter Type:	Input	
Calculation Parameter Value:	1.0	
Calculation Parameter UOM:	EACH	
Calculation Data Year:	2008	
Calculation Data Source:		
Comment:		
Last updated from:	Laurel Driver	
Last updated by agency:	EIS	
Last updated on:	2011-02-10 09:43 PM	

- » Operating Details
- » Reporting Period Supplemental Calculation Parameters

Done Local intranet 100%

# Airports are Point Sources

- Includes aircraft engines exhaust, auxiliary power units and ground support equipment (GSE). Excludes aviation gas distribution (nonpoint)
- Although NONROAD model calculates GSE, those SCCs must be reported at the airport, and are not allowed in a nonroad submittal
- Aircraft exhaust units are aircraft types by SCC (military, commercial, general aviation, etc). Processes are aircraft make and engine type, indicated by aircraftenginetype code --  
→now a required field
- Submitters should not create new units and processes without first confirming you have SCC and aircraft-engine combinations that are not represented at the existing EIS airport. EIS will not accept new submittals that duplicate units or processes. -→ **New Critical QA CHECK**
- If funding becomes available, EPA may collect LTO data outside the EIS process.

# Rail Yards

- EPA has developed facilities for 750 large yards. Nonpoint yard emissions are also allowed, but submitters should first look for facility yards to avoid double counting, before reporting as nonpoint.
- All yards are not yet in EIS, thus additional facilities are desired.
- Rails lines are reported in nonpoint

# EGUs

- SLT responsible for reporting emissions
- Updated emission factors (including unit specific test-based factors) for selected pollutants were developed during the MATS rule for units expected to be affected by the rule (>25 MW , coal, oil)
- Updated PM unit-specific test-based emission factors also available
- Can get these from the rule website
  - <http://www.epa.gov/ttn/atw/utility/utilitypg.html>
- We will be posting these on <http://www.epa.gov/ttn/chief/eiinformation.html>

# Electric Arc Furnaces

- Updated Hg emission factors available for some facilities from recent testing associated with rule development
- Were emailed in Feb to Agencies that have facilities with EAFs

# Other Source Categories

- Check with your Agency's source testers for available test data/site specific estimates that can be used
- We will also see what additional test data exists for other rules and provide it on our website
- We will also post the Nat gas combustion PM Efs that we've previously posted --

[ftp://ftp.epa.gov/EmisInventory/2002finalnei/documentation/point/augmentation\\_point/ratios\\_to\\_adjust\\_pmvalues\\_in\\_nei\\_for\\_naturalgas\\_combustion082005.xls](ftp://ftp.epa.gov/EmisInventory/2002finalnei/documentation/point/augmentation_point/ratios_to_adjust_pmvalues_in_nei_for_naturalgas_combustion082005.xls) and [ftp://ftp.epa.gov/EmisInventory/2002finalnei/documentation/point/pm\\_adjustment\\_2002\\_nei.pdf](ftp://ftp.epa.gov/EmisInventory/2002finalnei/documentation/point/pm_adjustment_2002_nei.pdf)

Please populate the Emissions Calculation Method code as accurately as possible and provide the optional Emission Factor information (value, numerator, denominator) for us to better evaluate the information.

# Priority Facility/Pollutant list

- We are working on a list of priority facility-pollutant combinations we will focus on for data completeness and, where possible EPA gap filling may be needed
- Similar to “high risk” review we did in 2008 in that it targets a limited number of facilities (but you’ll have more time to review)

# Pollutant Code Changes for the 2011 Reporting Cycle

Will be implemented this Spring and will be ready for the June 1, 2012 window opening

- Retirements
  - 141/142 (BSO, MCSO)
  - Dioxin/furan groups using obsolete TEQ schemes: 600,626,627
- Change from Retired to Active
  - 284 EOM
  - 140 Coke Oven Emissions
- Totally New Active
  - 628 Dioxins/Furans as 2,3,7,8-TCDD TEQs - WHO2005

# Flavors of PM

- Filterable: PM10-FIL; PM25-FIL
- Condensable: PM-CON
- Primary: PM10-PRI; PM25-PRI

Please report FIL species and PM-CON. Report Primary species if you don't have anything else.

Most important thing is to use the codes correctly and not to report any other types of PM that are not one of the 5

No "TSP" no "PM"

If you don't report all 5 flavors, EPA will gap fill based on the values of the PM species you do report

This is called "PM Augmentation" and is documented in the 2008 NEI v2 documentation

# NEW CRITICAL QA Checks for PM

- IF  $PM_{25-FIL} > PM_{10-FIL}$ , all pollutants from this process will be rejected
- IF  $PM_{25-PRI} > PM_{10-PRI}$ , all pollutants from this process will be rejected
- IF you report  $PM_{25-FIL}$ , you **MUST** also report  $PM_{10-FIL}$ , otherwise all pollutants from this process will be rejected
- IF you report  $PM_{25-PRI}$ , you **MUST** also report  $PM_{10-PRI}$ , otherwise all pollutants from this process will be rejected

# The Types of HAPs

- Listed HAPs reported as individual pollutants
- Metals reported as a single pollutant code
- Listed HAPs that can be reported as either individual pollutants or as a single aggregate pollutant
- Special Cases

# HAPs Reported as Individual Pollutants

- Easiest HAPs to report
- One pollutant code per HAP: E.G.; benzene, 1,3 butadiene, hydrochloric acid, and about 160 others
- Pollutant code is chemical abstract system # (no dashes)
- Still need to be aware of synonyms
  - Perchloroethylene = tetrachlorethylene
  - Methylene chloride = dichloromethane
  - 1,2 –dibromoethane = ethylene dibromide
  - 1,2-dichloroethane = ethylene dichloride
- Good idea to check by using CAS #

# Metal and compound HAPs reported as a single aggregate

- Includes:
  - Antimony
  - Arsenic
  - Beryllium
  - Cadmium
  - Cobalt
  - Lead
  - Manganese
  - Selenium
  - Mercury

← Changed in 2008 – used to have multiple pollutant codes but now only 1 code will be accepted.

- Can only use one code (CAS # of the metal)
- Spreadsheet tool provides instructions for converting compounds into single aggregate pollutant:  
[http://www.epa.gov/ttn/chief/eidocs/pollutant\\_code\\_conversion\\_spreadsheets.xls](http://www.epa.gov/ttn/chief/eidocs/pollutant_code_conversion_spreadsheets.xls) (modified June 2011)

# HAPs that can be Reported as a Single compound or aggregate group

- **Cresols:** p-cresol, m-cresol, o-cresol and cresols (Includes o,m &p)
- **Fine Mineral Fibers:** “Fine Mineral Fibers” and the following 4 specific ones: Ceramic Fibers (Man-Made Fibers), Glasswool (Man-Made Fibers), Slagwool (Man-Made Fibers), Rockwool (Man-Made Fibers)
- **Glycol Ethers:** Glycol Ethers and 52 specific glycol ether compounds
- **PCBs:** Polychlorinated Biphenyls and 10 specific PCBs
- **POM/PAHs:** “PAH, total”, “PAH/POM – Unspecified”, “coal tar” , EOM and 50 specific PAHs. (note that 7-PAH is retired)
- **Xylenes:** “Xylenes (Mixed Isomers)” and the 3 xylene isomers: o-xylene, m-xylene and p-xylene
- **Radionuclides:** “Radionuclides (Including Radon)” and 10 specific ones
- **Dioxins/Furans:** three aggregate pollutants (e.g. “dioxins/furans as 2,3,7,8-TCDD TEQs-I/98”) and 17 specific ones

**DO NOT REPORT** the grouped pollutant and any of the specific members of the group at the same process; e.g.,

**DO NOT REPORT** “cresols” and m-cresol (or o- or p- at the same process

**We will have a NEW QA check that will not accept data under these situations: all pollutants from the process will be rejected if this check fails**

# Special Cases

- **Chromium**
- **Nickel**
- **Coke Oven Emissions**
- **Cyanide**

# Chromium

- **Allowable Pollutant Codes**

Pollutant Code	Description
1333820	Chromium Trioxide
16065831	Chromium III
18540299	Chromium (VI)
7440473	Chromium
7738945	Chromic Acid (VI)

- ▶ Chromium VI (and chromium trioxide and chromic acid) are high risk HAPs.
- ▶ Chromium (7440473) is not speciated, and could be a mix of chromium VI and non-high risk forms of chromium

- ▶ If you have a chromium compound other than the ones listed, use the spreadsheet tool to convert to Chromium III or Chromium VI.

- ▶ DO NOT REPORT CHROMIUM and hex or tri at the same process

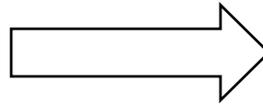
**New QA check will reject all emissions for that process**

In the 2008 NEI, EPA developed a speciated chromium dataset that contained hex and tri based on speciated SLT chromium. Documentation is on chief. Plan on using same approach for 2011

# Coke Oven Emissions

- **Allowable Pollutant Codes 2008 - 2010**

Pollutant Code	Description
141	Benzene Soluble Organics (BSO)
142	Methylene Chloride Soluble Organics (MCSO)



- ▶ **Allowable Pollutant Codes 2011 and later**

Pollutant Code	Description
140	Coke Oven Emissions

# Nickel

- **Allowable Pollutant Codes**

Pollutant Code	Description
12035722	Nickel Subsulfide
1313991	Nickel Oxide
604	Nickel Refinery Dust
7440020	Nickel

- ▶ If you have a nickel compound other than the ones listed, use the spreadsheet tool to convert to nickel.
- ▶ Ok to report nickel with any of the other flavors. Just know that any risk will be additive

# Cyanide

- **Allowable Pollutant Codes**

Pollutant Code	Description
57125	Cyanide
74908	Hydrogen Cyanide

- ▶ Can report cyanide or hydrogen cyanide
- ▶ Spreadsheet tool provides instructions/data for converting other cyanide compounds (such as Potassium cyanide) to a valid pollutant.

# Recap what's new

- Pollutant code changes
- QA checks
- EGUs and EAFs updated EFs

# BREAK

10 minutes

# When will my data show up in EIS?

- Emissions data will show in the Gateway at the **process level** immediately
- Emissions data will not will not show up at the facility/unit level or in reports until the system has done an overnight refresh.
- XML Snapshot – refreshes are done in batch overnight, but only if you request it (via Report Request)

# Checking Your Data

- **Completeness:** Are there facilities that are operating but do not have emissions?
- **Emissions Values:** Run an emissions summary report to compare what is in the system with your data

Wait until the overnight refresh before you do this

# 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

## Agency Submission History Report

Select the inventory year of interest

Inventory Year: 2008

Show 10 entries

Search:

Agency Organization	Region Code	Facility Inventory	Point	Nonpoint	Onroad	Nonroad	Event
Alabama Department of Environmental Management	04	2011-10-11 05:40 AM	2011-04-04 04:42 PM	2011-02-17 05:38 PM	N/A	N/A	N/A
Alaska Department of Environmental Conservation	10	2010-09-16 12:59 PM	2010-09-24 01:31 PM	2010-05-04 06:40 PM	N/A	N/A	2011-11-21 07:21 PM
Allegheny County Health Department	03	2010-05-19 12:32 PM	2011-02-15 02:11 PM	N/A	N/A	N/A	N/A
American Samoa		N/A	N/A	N/A	N/A	N/A	N/A
Arapahoe Tribe of the Wind River Reservation		N/A	N/A	N/A	N/A	N/A	N/A
Arizona Department of Environmental Quality	09	2010-11-09 12:20 PM	2011-11-04 02:29 PM	2010-11-16 01:31 PM	N/A	N/A	N/A
Arkansas Department of Environmental Quality	06	2010-04-07 10:22 AM	2011-02-18 10:49 AM	2011-11-01 09:30 AM	2010-05-06 04:04 PM	N/A	N/A
Assiniboine and Sioux Tribes of the Fort Peck Indian Reservation		N/A	N/A	N/A	N/A	N/A	N/A
Bishop Paiute Tribe		N/A	N/A	N/A	N/A	N/A	N/A
Blackfeet Tribe of the Blackfeet Indian Reservation of Montana		N/A	N/A	N/A	N/A	N/A	N/A

Local intranet 100%

# Agency Submission History Report

Agency Role, Authenticated Role, Inventory Selector Role, Inventory Developer Role, Account Manager Role

## Facility Submission Status Report

### ▼ Agency

Agency Description: [Alabama Department of Environmental Management](#)

Inventory Year:

Show  entries

Search:

Operating Status Code ▲	Facility Site Count ◇	Facility Sites Reporting Emissions Count ◇	# Facility Sites Remaining ◇
<a href="#">OP - EXPECTED</a>	350	308	42
<a href="#">OP - TOTAL</a>	962	309	653
<a href="#">PS - EXPECTED</a>	35	4	31
<a href="#">PS - TOTAL</a>	37	4	33

Showing 1 to 4 of 4 entries

[First](#) | [Previous](#) | [1](#) | [Next](#) | [Last](#)

Download Results: [CSV](#)

Note: Expected means that the agency is expected to report emissions for this facility based upon the existence of an agency identifier and the status being operational for the current inventory year.

# List of facilities for which emissions were expected but no emissions reported

## ▼ Agency/Operating Status

Agency Description: [Alabama Department of Environmental Management](#)

Operating Status: [OP - EXPECTED](#)

Inventory Year:

## ▼ Report

350 items found, displaying 1 to 25. [\[First/Prev\]](#) 1, 2, 3, 4, 5, 6, 7, 8 [\[Next/Last\]](#)

Sort by Pollutant count 

EIS Facility ID	State and County Code	Tribal Code	Agency System Code	Agency ID	Facility Name	Operating Status	Operating Status Year	Expected?	NAICS Code	Facility Type	Process Count	Pollutant Count
<a href="#">12787711</a>	01125		ADEM	0005	Warrior Asphalt Refining Co Inc	OP		yes	324122			
<a href="#">7212411</a>	01001		ADEM	0005	Haldex Friction Products	OP	2008	yes	336399			
<a href="#">7949611</a>	01075		ADEM	0008	Marathon Equipment Co	OP	2008	yes	333319			
<a href="#">966411</a>	01033		ADEM	0009	Wise Alloys L L C	OP	2008	yes	331314			
<a href="#">953911</a>	01083		ADEM	0011	Steelcase Inc	OP	2008	yes	337214			
<a href="#">561611</a>	01005		ADEM	0013	Mineral Manufacturing Corporation	OP	2008	yes	327999			
<a href="#">7919611</a>	01031		ADEM	0014	Dorsey Trailer Inc	OP	2008	yes	336212			
<a href="#">1042311</a>	01093		ADEM	0015	Speedrack	OP	2008	yes	332510			
<a href="#">886111</a>	01111		ADEM	0016	Meadowcraft Casual Furniture Inc	OP	2008	yes	337124			
<a href="#">1021911</a>	01057		ADEM	0017	Oxbodies Inc	OP	2008	yes	336211			

Midroc. Operatin

# Request reports to get data out of 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**

### Request Reports

▼ **Facility Snapshot**

All Facility Inventory data elements in CERS XML format. Snapshot updates can be requested and will be generated overnight.

Report Name	Report Description
<a href="#">By Responsible Agency</a>	All facilities within a single S/LT Agency's jurisdiction are included, whether added to EIS by the S/LT or by EPA. Both EIS and S/LT Agency identifiers are provided.
<a href="#">By Facility Source Type</a>	All facilities which have been tagged as a single specific Facility Source Type are included. Only EIS identifiers are provided.

▼ **Facility Configuration Reports**

Facility Inventory data elements at various levels of detail in a flat file CSV format. Can filter by a variety of criteria depending on level of detail requested. Requests run every 15 minutes.

Report Name	Report Description
<a href="#">Facility Configuration</a>	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/LT 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
<a href="#">By Responsible Agency</a>	Point, Nonpoint, Onroad, Nonroad, Event emissions data for a single S/LT Agency's jurisdiction. Both EIS and S/LT

# Reports - Snapshots

EIS - Windows Internet Explorer provided by EPA

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

File Edit View Favorites Tools Help

Convert Select

EIS

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

## Facility or Emissions Snapshot (XML)

Search Criteria

- Inventory Year » Do Not Use
- Emiss Snaps » All data sets included.
- Facility Snaps » All agencies included.
- Data Category » All data categories included.
- Status » Do Not Use
- Visibility » Do Not Use

Inventory Year - Do Not Use

Emissions Snapshot - Select One or More Data Sets

Show 10 entries Search:

Inventory Year	Data Set Name
2010	Alabama Department of Environmental Management
2010	Alaska Department of Environmental Conservation
2010	Allegheny County Health Department
2010	American Samoa
2010	Arapahoe Tribe of the Wind River Reservation
2010	Arizona Department of Environmental Quality
2010	Arkansas Department of Environmental Quality
2010	Assiniboine and Sioux Tribes of the Fort Peck Indian Reservation
2010	Bishop Paiute Tribe
2010	Blackfeet Tribe of the Blackfeet Indian Reservation of Montana

Showing 1 to 10 of 492 entries

First Previous 1 2 3 4 5 Next Last

Facility Snapshot - Select One or More Geographic Areas

Data Category - Select One or More Data Categories

Done Local intranet 100%

# Reports - Snapshots

EIS - Windows Internet Explorer provided by EPA

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

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Convert Select

EIS

Page Tools

**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

## Facility or Emissions Snapshot (XML)

**Search Criteria**

Inventory Year » Do Not Use

Emiss Snaps » 2008-Alabama Department of Environmental Management

Facility Snaps » All agencies included.

Data Category » Point

Status » Do Not Use

Visibility » Do Not Use

Show  entries

Request	Inventory Year - Do Not Use	Data Set	Data Category	Last Submission Date	Last Generation Date	Requested By	Scheduled	Public
<a href="#">Request OR Download</a>	2008	Alabama Department of Environmental Management	Point	2011-04-04 04:54 PM	2011-08-30 05:56 AM	Tate, Elizabeth	no	no

Showing 1 to 1 of 1 entries First Previous 1 Next Last

Download Results: [CSV](#)

# Reports

## Emissions Summaries

EIS - Windows Internet Explorer provided by EPA

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

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

- » 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
- » Agency Organizations

**CONTENT MANAGEMENT**

- » Messages
- » Application

**▼ 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
<a href="#">By Facility</a>	Point emissions data at facility, unit, process, or release point level. Both EIS and S/LT Agency identifiers are provided.
<a href="#">By Geography</a>	Point, Nonpoint, Onroad, Nonroad or Event emissions data at National, Regional, State/Tribe or County geographic level.

**▼ Event Comparisons**

Report Name	Report Description
<a href="#">Event/Event Comparison</a>	Provides a comparison for events that may have been reported in more than one data set.
<a href="#">Event/Nonpoint Comparison</a>	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
<a href="#">Large File Download</a>	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.
<a href="#">Report Downloads</a>	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.

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# Reports – Emissions Summary by Facility (1)

**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

## Emissions Summaries by Facility (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.
Source Types	» all Source Types included.
Regulation	» No regulation selected.
SCC	» No source classifications selected.

▼ Report Type

Report Type
Facility
Emissions Unit
Emissions Process
Release Point

▶ Data Set or Selection

▶ Pollutants

▶ Regions

▶ States

▶ Tribes

▶ Counties

▶ Facility Types

▶ NAICS

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# Reports – Emissions Summary by Facility (2)

EIS - Windows Internet Explorer provided by EPA

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

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

**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

## Emissions Summaries by Facility (CSV)

**Report Criteria**

- Report Type » Emissions Process
- Data Set » a Data Set is required.
- Pollutants » at least one Pollutant is required.
- Geography » All geographic regions included.
- Source Types » all Source Types included.
- Regulation » No regulation selected.
- SCC » No source classifications selected.

▶ Report Type

▼ Data Set or Selection

Show  entries Search:

Data Set or Selection	Inventory Year	Data Set Name
Data Set	2008	2008 EPA Ag Fires
Data Set	2008	2008 EPA Rule Data from OAQPS/SPPD
Data Set	2008	2008EPA_MATS
Data Set	2008	2008EPA_MMS
Data Set	2008	Alabama Department of Environmental Management
Data Set	2008	Alaska Department of Environmental Conservation
Data Set	2008	Allegheny County Health Department
Data Set	2008	American Samoa
Data Set	2008	Arapahoe Tribe of the Wind River Reservation
Data Set	2008	Arizona Department of Environmental Quality

Showing 1 to 10 of 201 entries (filtered from 501 total entries) First Previous 1 2 3 4 5 Next Last

Done Local intranet 100%

# Reports – Emissions Summary by Facility (3)

EIS - Windows Internet Explorer provided by EPA

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

File Edit View Favorites Tools Help

Convert Select

EIS

Page Tools

## 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

## Emissions Summaries by Facility (CSV)

### Report Criteria

- Report Type » Emissions Process
- Data Set » 2008-Alabama Department of Environmental Management
- Pollutants » at least one Pollutant is required.
- Geography » All geographic regions included.
- Source Types » all Source Types included.
- Regulation » No regulation selected.
- SCC » No source classifications 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:

Pollutant Type	Pollutant Code	Pollutant Name	Status
CAP	7439921	Lead	Active
CAP	CO	Carbon Monoxide	Active
CAP	NH3	Ammonia	Active
CAP	NOX	Nitrogen Oxides	Active
CAP	PM-CON	PM Condensible	Active
CAP	PM-FIL	PM Filterable	Retired in 2005
CAP	PM-PRI	PM Primary (Filt + Cond)	Retired in 2005
CAP	PM10-FIL	PM10 Filterable	Active
CAP	PM10-PRI	PM10 Primary (Filt + Cond)	Active
CAP	PM25-FIL	PM2.5 Filterable	Active

Done Local intranet 100%

# Reports – Emissions Summary by Facility (4)

**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

## Emissions Summaries by Facility (CSV)

**Report Criteria**

<b>Report Type</b>	» Emissions Process
<b>Data Set</b>	» 2008-Alabama Department of Environmental Management
<b>Pollutants</b>	» 7439921
<b>Geography</b>	» All geographic regions included.
<b>Source Types</b>	» all Source Types included.
<b>Regulation</b>	» No regulation selected.
<b>SCC</b>	» No source classifications selected.

- ▶ Report Type
- ▶ Data Set or Selection
- ▶ Pollutants
- ▶ Regions
- ▶ States
- ▶ Tribes
- ▶ Counties
- ▶ Facility Types
- ▶ NAICS
- ▶ Regulations
- ▶ Source Classifications

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# Report Downloads

EIS - Windows Internet Explorer provided by EPA

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

File Edit View Favorites Tools Help

Convert Select

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**

**Reports Available for Download**

Show 10 entries Search:

	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
<p><b>Report Type:</b> Facility  <b>Data Set:</b> 2008-2008 V2_0 GPR  <b>Pollutants:</b> CO, SO2, NOX, VOC, PM25-PRI, PM10-PRI, 7439921  <b>States:</b> MN</p>					
	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

Showing 4 to 10 of 63 entries

First Previous 1 2 3 4 5 Next Last

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# Emission Summary by Geography (1)

**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

## Emissions Summaries by Geography (CSV)

**Report Criteria**

<b>Report Type</b>	» a Report Type is required.
<b>Data Set</b>	» a Data Set is required.
<b>Pollutants</b>	» at least one Pollutant is required.
<b>Geography</b>	» All geographic regions included.
<b>Sectors</b>	» 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**

- Pollutants

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# Emission Summary by Geography (2)

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

Home RSS Print Page Tools

**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

## Emissions Summaries by Geography (CSV)

**Report Criteria**

**Report Type** » County by Data Category

**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**

▼ **Data Set or Selection**

Show  entries Search:

Data Set or Selection	Inventory Year	Data Set Name
Data Set	2010	Alabama Department of Environmental Management
Data Set	2010	Alaska Department of Environmental Conservation
Data Set	2010	Allegheny County Health Department
Data Set	2010	American Samoa
Data Set	2010	Arapahoe Tribe of the Wind River Reservation
Data Set	2010	Arizona Department of Environmental Quality
Data Set	2010	Arkansas Department of Environmental Quality
Data Set	2010	Assiniboine and Sioux Tribes of the Fort Peck Indian Reservation
Data Set	2010	Bishop Paiute Tribe
Data Set	2010	Blackfeet Tribe of the Blackfeet Indian Reservation of Montana

Showing 1 to 10 of 501 entries First Previous 1 2 3 4 5 Next Last

► **Pollutants**

► **Regions**

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# Where do I find Codes?

The screenshot shows the EIS website interface. On the left is a navigation menu with several sections: REPORTS, REFERENCE DATA (circled in green), SUPPORT, ACCOUNT DATA, and CONTENT MANAGEMENT. The main content area on the right is a table of codes with their descriptions. The 'NAICS Code' entry is also circled in green.

Code Name	Description
<a href="#">Calculation Parameter Unit of Measure Code</a>	Code for the unit of measure for calculation parameter value.
<a href="#">Control Measure Code</a>	Code that identifies the piece of equipment or practice that is used to reduce one or more pollutants.
<a href="#">Coordinate Data Source Code</a>	The code that represents the party responsible for providing the latitude and longitude coordinates. See <a href="http://www.epa.gov/oei/">www.epa.gov/oei/</a> for more information on the proper usage of this code set.
<a href="#">Emission Calculation Method Code</a>	Code that defines the method used to calculate emissions.
<a href="#">Emission Factor Denominator Unit of Measure Code</a>	The denominator for the unit of measure of the reported emission factor.
<a href="#">Emission Factor Numerator Unit of Measure Code</a>	The numerator for the unit of measure of the reported emission factor.
<a href="#">Emission Operating Type Code</a>	Table of codes that identify the operating state for the emissions being reported.
<a href="#">Emission Reduction Technique Code</a>	Code identifying the method used for reducing emissions from prescribed fires, agricultural fires, Native American Fires and Wildland Use fires emissions.
<a href="#">Emissions Type Code</a>	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).
<a href="#">Emissions Unit of Measure Code</a>	Unit of measure for reported emissions.
<a href="#">Event Classification Code</a>	Table of codes that identify the classification of a fire.
<a href="#">Event Size Source Code</a>	Table of codes that identify methods used to determine the size of an event.
<a href="#">Event Stage Code</a>	Identifies whether emissions reported are due to flaming, smoldering, or both.
<a href="#">Facility Category Code</a>	Code that identifies the Clean Air Act Stationary Source designation. Examples include major, minor, and synthetic minor.
<a href="#">Facility Site Status Code</a>	Code that identifies the operating status of the facility site.
<a href="#">Facility Source Type Code</a>	Category or source type of a facility for EIS classification.
<a href="#">Fuel Configuration Code</a>	The predominant configuration of the fuel burned (i.e., pile, windrow, broadcast or natural).
<a href="#">Fuel Consumption And Emissions Model Code</a>	Code that identifies the unit of measure for the amount of fuel consumed.
<a href="#">Fuel Loading Unit of Measure Code</a>	Code that identifies the numerator of the unit of measure for the fuel loading.
<a href="#">Fuel Selection Code</a>	The method used (on-site survey vs. GIS overlay) to select the appropriate fuel beds (e.g., red spruce, chaparral, sawgrass, or logging slash).
<a href="#">Fuel Type Model Code</a>	The fuel model used to characterize available fuel beds (e.g., FCCS or NFDRS).
<a href="#">Geographic Reference Point Code</a>	The code that represents the place for which geographic coordinates were established. See <a href="http://www.epa.gov/oei/">www.epa.gov/oei/</a> for more information on the proper usage of this code set.
<a href="#">Geometric Type Code</a>	The code that represents the geometric entity represented by one point or a sequence of latitude and longitude points. See <a href="http://www.epa.gov/oei/">www.epa.gov/oei/</a> for more information on the proper usage of this code set.
<a href="#">Ground Based Data Source Code</a>	Indicates whether ground-based data were included and if so, identifies their source.
<a href="#">Heat Release Unit Of Measure Code</a>	Code that identifies the unit of measure for heat release.
<a href="#">Horizontal Collection Method Code</a>	The code that identifies the method used to determine the latitude and longitude coordinates for a point on the earth. See <a href="http://www.epa.gov/oei/">www.epa.gov/oei/</a> for more information on the proper usage of this code set.
<a href="#">Horizontal Reference Datum Code</a>	The code that represents the reference datum used in determining latitude and longitude coordinates. See <a href="http://www.epa.gov/oei/">www.epa.gov/oei/</a> for more information on the proper usage of this code set.
<a href="#">Ignition Location Code</a>	The location and distribution of the ignition points within the burn area (e.g., center or multiple).
<a href="#">Ignition Method Code</a>	The method used to ignite the fire (i.e., DAID, helltorch, or driptorch).
<a href="#">Ignition Orientation Code</a>	The technique used to direct the orientation of the fire's movement with respect to the wind (i.e., backing, strip-heading, or flanking).
<a href="#">Location Address State Code</a>	The alphabetic codes that represent the name of the principal administrative subdivision of the United States, Canada, or Mexico.
<a href="#">Location Type Code</a>	Identifies the type of code or identifier that is being excluded.
<a href="#">NAICS Code</a>	The code that represents a subdivision of an industry that accommodates user needs in the United States.
<a href="#">Pollutant Code</a>	The code for the pollutant which is controlled by the control measure.
<a href="#">Port Identifiers</a>	The code that identifies a shapefile of type port.
<a href="#">Railway Segment Identifiers</a>	The code that identifies a shapefile of type railway segment.

# Pollutant codes-example

## See what is retired and what is not

**Pollutant Codes**

Name: Pollutant Code  
 Description: The code for the pollutant which is controlled by the control measure.

Show 25 entries

Status: Active

Pollutant Code	Description	Type	Pollutant Category Name	Last Inventory Year
VOC	Volatile Organic Compounds	CAP	Volatile Organic Compounds	
SO2	Sulfur Dioxide	CAP	Sulfur Dioxide	
SF6	Sulfur Hexafluoride	GHG	Sulfur Hexafluoride	
PM25-PRI	PM2.5 Primary (Filt + Cond)	CAP	PM2.5 Primary (Filt + Cond)	
PM25-FIL	PM2.5 Filterable	CAP	PM2.5 Filterable	
PM10-PRI	PM10 Primary (Filt + Cond)	CAP	PM10 Primary (Filt + Cond)	
PM10-FIL	PM10 Filterable	CAP	PM10 Filterable	
PM-CON	PM Condensible	CAP	PM Condensible	
PFC	Perfluorocarbons	GHG	Perfluorocarbons	
NOX	Nitrogen Oxides	CAP	Nitrogen Oxides	
NH3	Ammonia	CAP	Ammonia	
N2O	Nitrous Oxide	GHG	Nitrous Oxide	
HFC	Hydrofluorocarbons	GHG	Hydrofluorocarbons	
CO2	Carbon Dioxide	GHG	Carbon Dioxide	
CO	Carbon Monoxide	CAP	Carbon Monoxide	
CH4	Methane	GHG	Methane	
98953	Nitrobenzene	HAP	Nitrobenzene	

# EPA Review of Your data

- Completeness
- Outliers
- Priority Facility/Pollutant List
- Voluntary review packages to improved targeted data elements such as
  - Design capacity
  - SCC code improvements (aimed possibly at 3999s)
  - Or emissions from specific industry sectors

# Putting it all Together- the “Selection”

- Preference is to use the S/L/T data first in the hierarchy
- Other data sources used below hierarchy (for example– there may be others)
  - 2011 TRI
  - HAP aug
- Data sources that may be used above S/L/T (for example– there may be others)
  - PM aug
  - Chromium speciation
  - Some rule data
- Draft 2011 release for SLT review

# RECAP of changes

## What will change for 2011 POINT submissions?

- Pollutant codes retired/unretired/added
- New QA checks
  - Critical emissions range
  - Critical double counting pollutants with grouped pollutants
  - Critical if you report PM<sub>2.5</sub> and not PM<sub>10</sub> and if PM<sub>2.5</sub>>PM<sub>10</sub>
- Not collecting aircraft LTO'S in EIS
- Updated Emission Factors (EGUs, EAFs, maybe more)
- List of Priority Polls/Facilities

# Web Resources

- One pagers
  - How to gain access to the Gateway
  - How to change your password
  - How to submit data using the Web Client

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

- 2008 NEI/EIS Implementation Plan

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

- 2011 –specific information to be posted  
(<http://www.epa.gov/ttn/chief/eiinformatio.html>)

# Contacts

- Submission Issues
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- Inventory Issues
  - Ron Ryan – [ryan.ron@epa.gov](mailto:ryan.ron@epa.gov), 919-541-4330
  - Madeleine Strum – [strum.madeleine@epa.gov](mailto:strum.madeleine@epa.gov), 919-541-2383