Onroad Input and Emissions Submittals

Laurel Driver

April 17, 2012

EIS vs 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 store multiple emissions values for the same unit/process
  - Can store annual, monthly, daily data (e.g., fires, events)
  - 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 Requirement

- 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
    - SO2, NOx, CO with potential to emit ≥ 2,500 tpy
    - VOC, PM, NH3 with potential to emit ≥ 250 tpy
    - Pb with potential to emit ≥ 5 tpy (to be amended to agree with Lead NAAQS level of ≥ 0.5 tpy)
  - 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

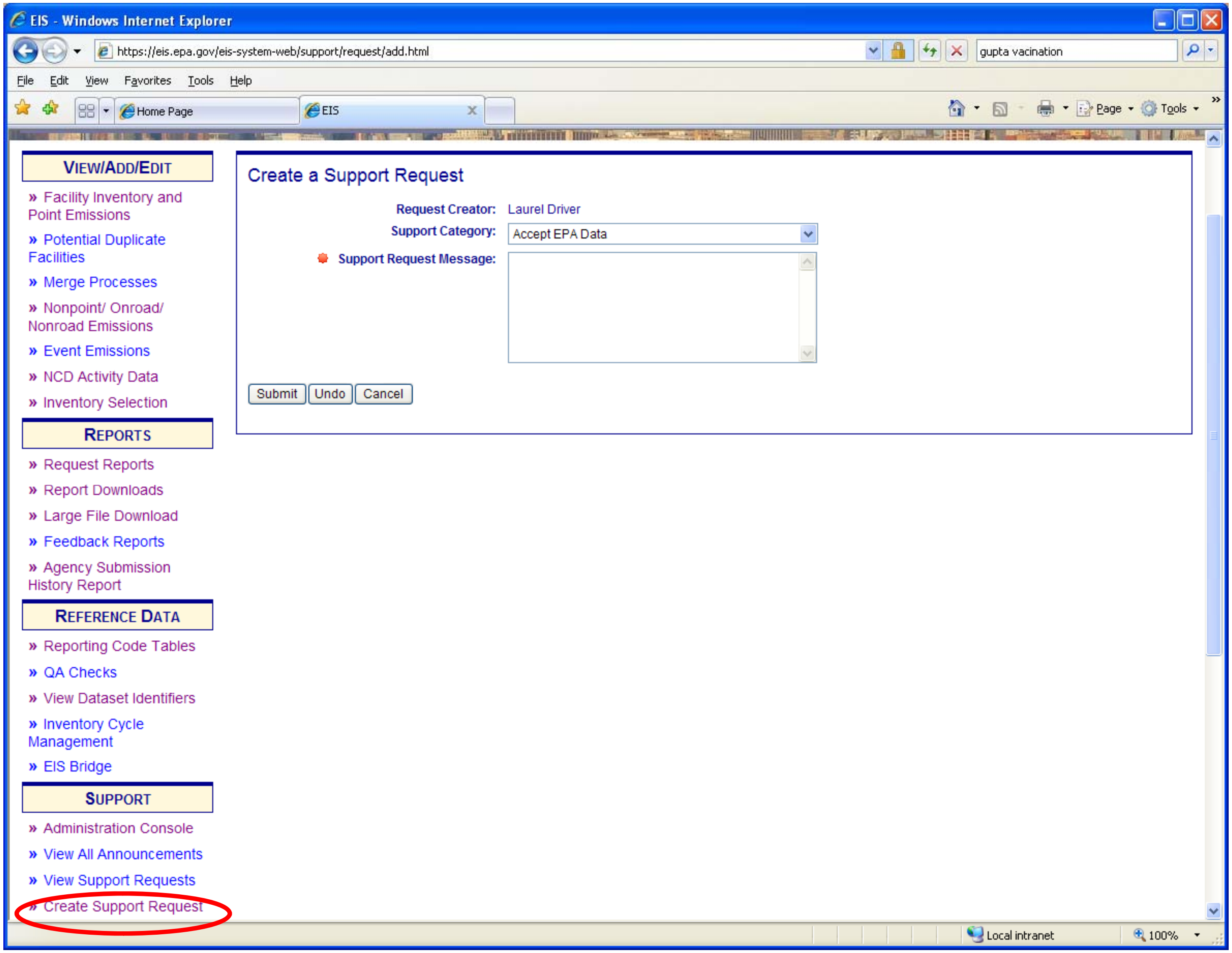
Onroad Submissions

- Emissions in NEI must be from an EPA-approved model
  - MOVES
  - EMFAC (California)
- EPA strongly encourages submittals of MOVES County Database (CDB) tables rather than emissions
- Tribes and CA should submit emissions

Why Inputs?

- EPA prefers to receive activity data instead of emissions as they allow for more in-depth analysis and consistent, integrated emissions in the NEI. If you do not submit onroad input data, EPA will generate emission estimates using national defaults.
- EPA will provide a set of default onroad inputs for agencies to review/ customize as desired
- Agencies may accept EPA defaults in lieu of submittals by sending a “support request” to EIS that states this.
- To the extent resources allow, EPA will assist agencies to build their submittals.

Support Request


EIS - Windows Internet Explorer
https://eis.epa.gov/eis-system-web/support/request/add.html
gupta vacination
File Edit View Favorites Tools Help
Home Page
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
» EIS Bridge
SUPPORT
» Administration Console
» View All Announcements
» View Support Requests
» Create Support Request
Submit
Undo
Cancel
Local intranet
100%

Create a Support Request

Request Creator: Laurel Driver

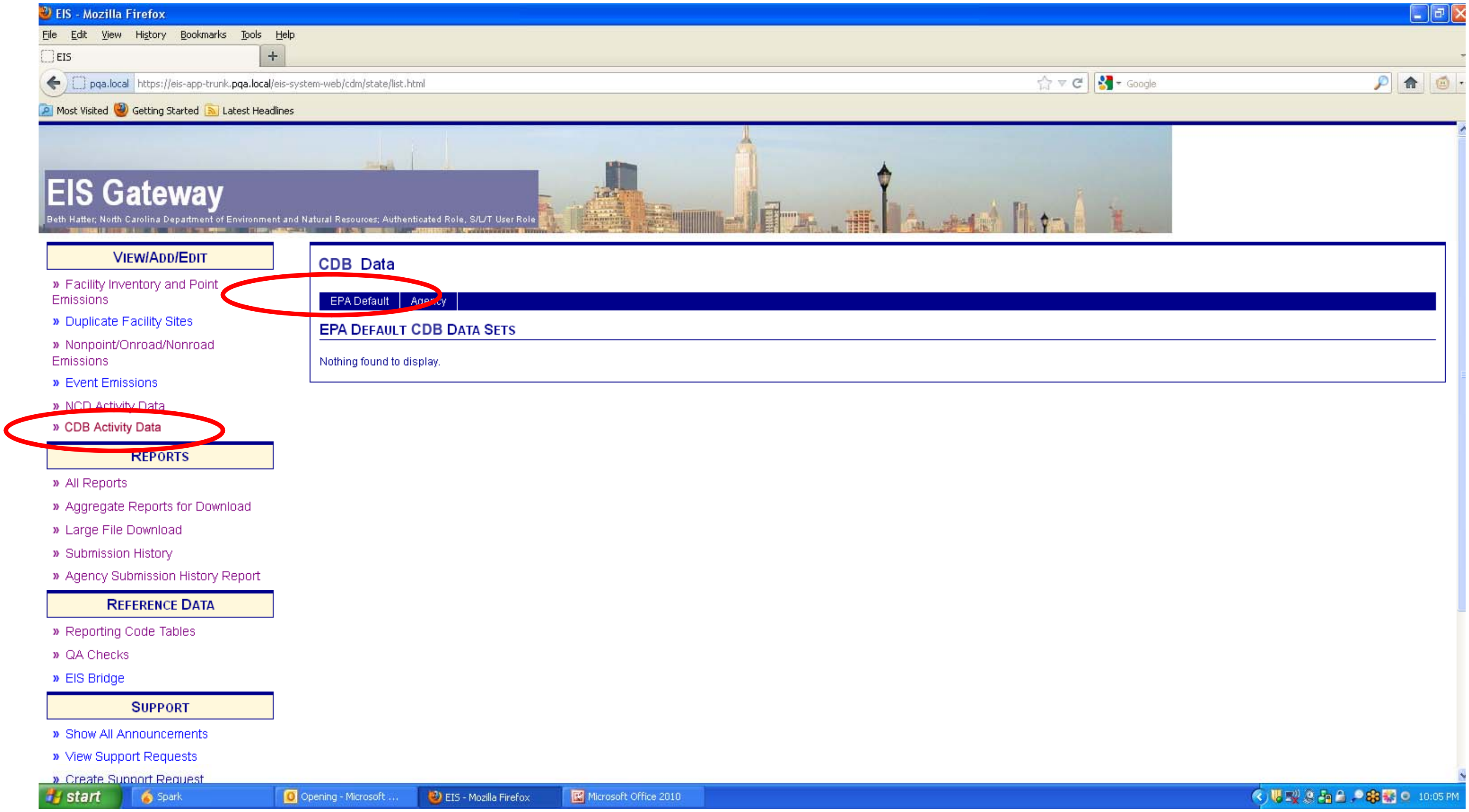
Support Category: Accept EPA Data

Support Request Message:

Summary of County Database (CDB) Submittal Steps

- Review instructions on the 2011 NEI web page
- Pick up your draft default CDBs from EIS
- Compile ONLY county CDBs with improvements
- Repeatedly run QA script and address errors that are found until there are no errors
- Submit:
  - 1. QA tool report
  - 2. Checklist
  - 3. Documentation
  - 4. CDB folders for each county CDB
- EACH SUBMITTAL IS A COMPLETE REPLACEMENT OF PREVIOUS SUBMITTALS!
  - Thus an agency’s final submittal must include all counties they wish to submit

Pick up your draft default CDBs


EIS - Mozilla Firefox
File Edit View History Bookmarks Tools Help
EIS
pqa.local https://eis-app-trunk.pqa.local/eis-system-web/cdm/state/list.html
Google
Most Visited Getting Started Latest Headlines
EIS Gateway
VIEW/ADD/EDIT
» Facility Inventory and Point Emissions
» Duplicate Facility Sites
» Nonpoint/Onroad/Nonroad Emissions
» Event Emissions
» NCD Activity Data
» CDB Activity Data
REPORTS
» All Reports
» Aggregate Reports for Download
» Large File Download
» Submission History
» Agency Submission History Report
REFERENCE DATA
» Reporting Code Tables
» QA Checks
» EIS Bridge
SUPPORT
» Show All Announcements
» View Support Requests
» Create Support Request
EPA Default
Agency
start
Spark
Opening - Microsoft ...
EIS - Mozilla Firefox
Microsoft Office 2010
10:05 PM

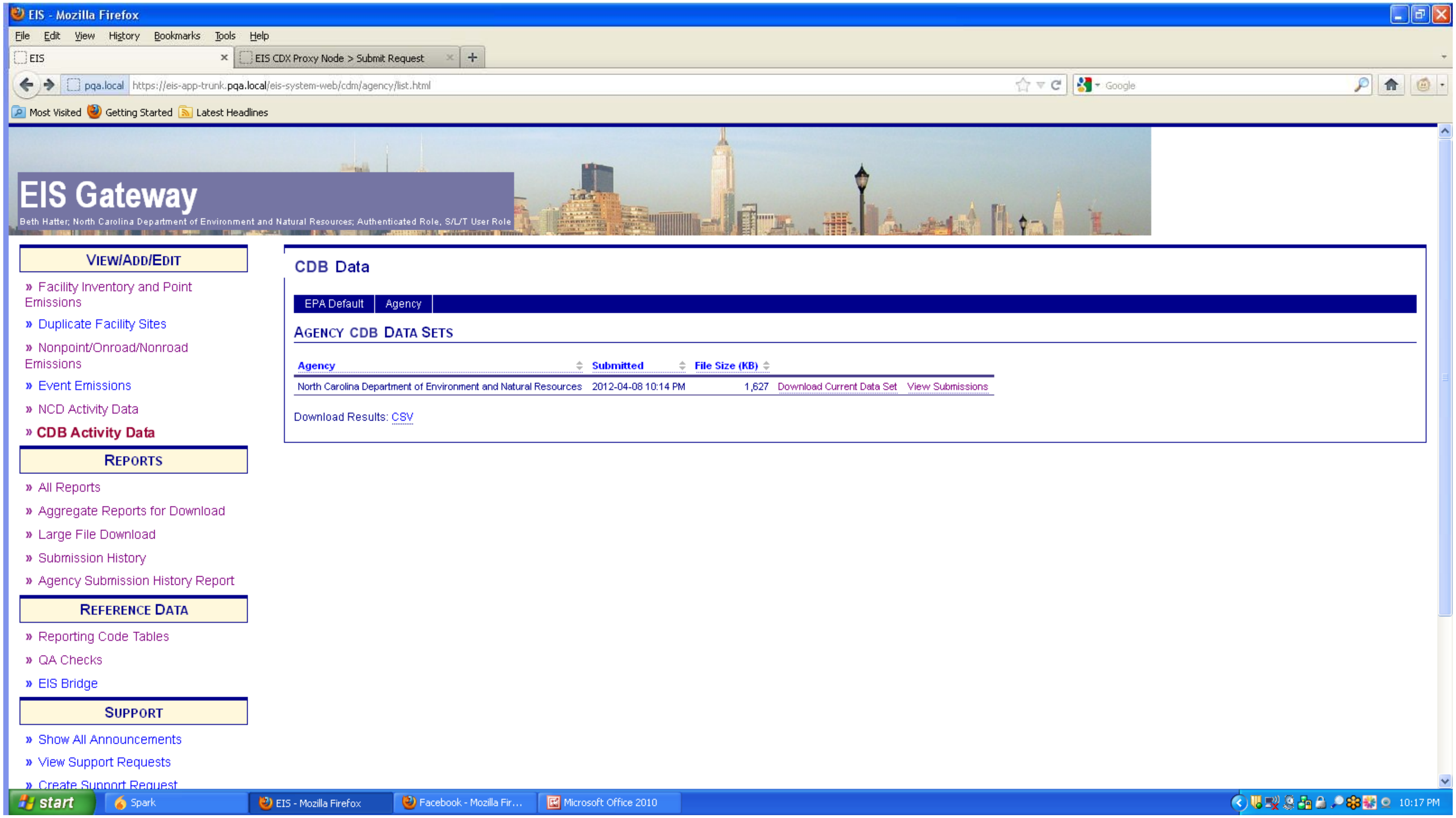
Beth Hatter; North Carolina Department of Environment and Natural Resources; Authenticated Role, S/L/T User Role

CDB Data

EPA DEFAULT CDB DATA SETS

Nothing found to display.

Pick up your draft default CDBs


EIS - Mozilla Firefox
File Edit View History Bookmarks Tools Help
EIS
EIS CDX Proxy Node > Submit Request
pqa.local https://eis-app-trunk.pqa.local/eis-system-web/cdm/agency/list.html
Google
Most Visited Getting Started Latest Headlines
EIS Gateway
Beth Hatter; North Carolina Department of Environment and Natural Resources; Authenticated Role, S/L/T User Role
VIEW/ADD/EDIT
» Facility Inventory and Point Emissions
» Duplicate Facility Sites
» Nonpoint/Onroad/Nonroad Emissions
» Event Emissions
» NCD Activity Data
» CDB Activity Data
REPORTS
» All Reports
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» Agency Submission History Report
REFERENCE DATA
» Reporting Code Tables
» QA Checks
» EIS Bridge
SUPPORT
» Show All Announcements
» View Support Requests
» Create Support Request
EPA Default
Agency
start
Spark
EIS - Mozilla Firefox
Facebook - Mozilla Fir...
Microsoft Office 2010
10:17 PM

CDB Data

AGENCY CDB DATA SETS

Agency	Submitted	File Size (KB)		
North Carolina Department of Environment and Natural Resources	2012-04-08 10:14 PM	1,627	Download Current Data Set	View Submissions

Download Results: CSV

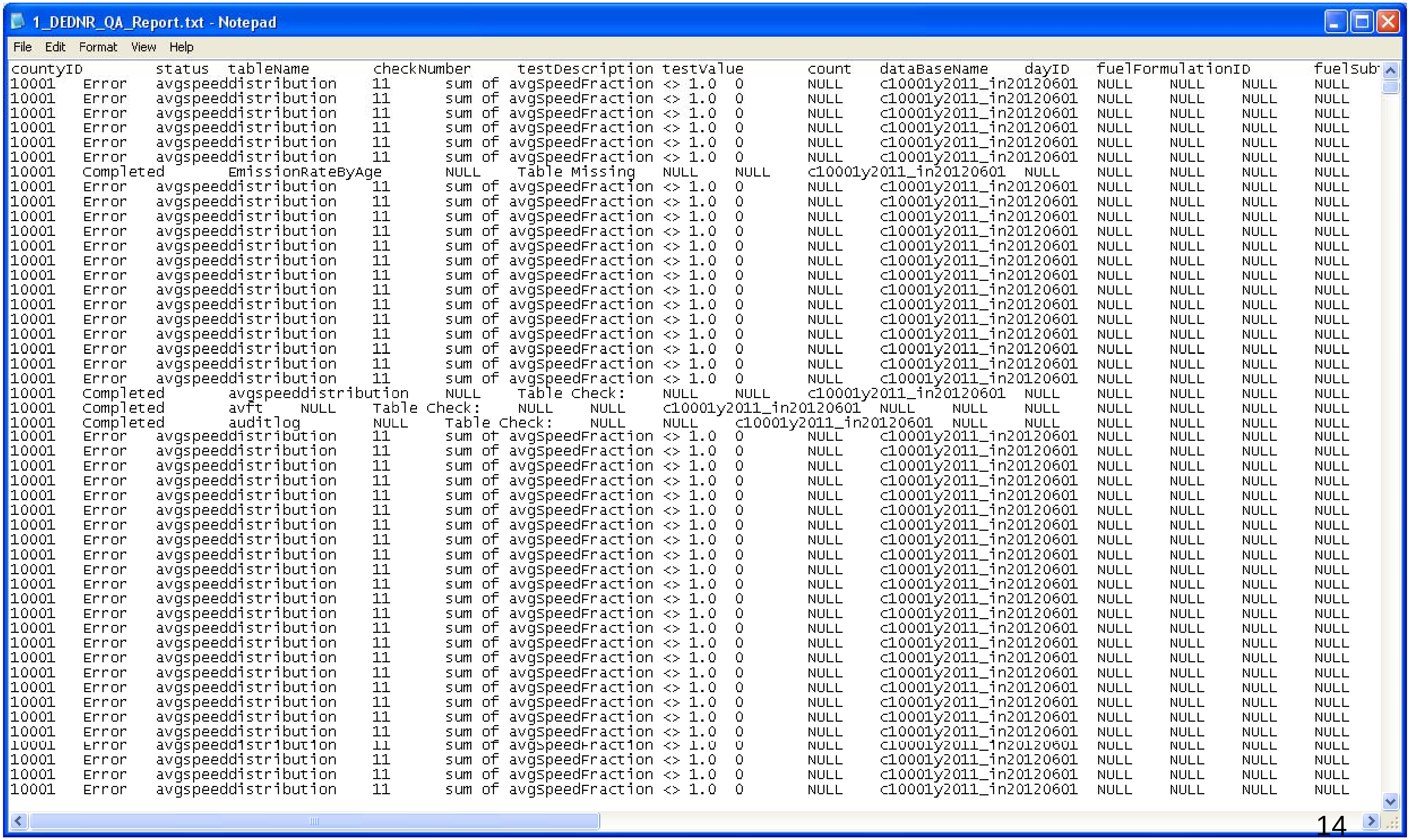
Update Inputs
Compile ONLY CDBs for Counties with improvements

Table Name	Description
countyyear	Stage 2 program description
emissionratebyage	Alternate California standards
sccroadtypedistribution	Distribution of SCC vehicle classes to SCC road types
auditlog	Log of changes to the county database
avft	Alternate diesel sales fractions
avgspeeddistribution	Average speed distributions
county	County description
dayvmtfraction	Distribution of VMT to day types
fuelformulation	Description of fuels
fuelsupply	Market share of fuels by month
fuelsupplyyear	Year of fuel supply
hourvmtfraction	Distribution of VMT to hours of the day
hpmsvtypeyear	Annual VMT by HPMS vehicle class
imcoverage	Description of the I/M program
monthvmtfraction	Distribution of the VMT to months of the year
roadtype	Description of the road types
roadtypedistribution	Distribution of the VMT to road types
sourcetypeagedistribution	Distribution of vehicle population to vehicle age
sourcetypeyear	Vehicle populations
state	Description of the state
year	Year of evaluation
zone	Allocation of activity to zones
zonemonthhour	Temperature and humidity values
zoneroadtype	Allocation of vehicle operation to zones

1. QA Report

- PSC_QA_Report.txt
- EPA will post QA tool for download prior to window opening on the 2011 NEI website. MySQL tool checks CDB in their native format
- Users can run the QA tool script on all CDBs for submittal
- The QA tool checks CDB format, naming convention, ranges, sums, etc in each CDB table
- The QA tool generates a report for inclusion with EIS submittal
- If the tool finds any errors, they must be corrected before EIS will accept them: EIS will reject any submittal with a QA report that indicates errors.

Example QA Report Results



```
countyID        status  tableName       checkNumber     testDescription testValue       count   dataBaseName    dayID   fuelFormulationID       fuelSub
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Completed       EmissionRateByAge       NULL    Table Missing   NULL    NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
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10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
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10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Completed       avgspeeddistribution    NULL    Table Check:    NULL    NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL    NULL
10001   Completed       avft    NULL    Table Check:    NULL    NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL    NULL    NULL    NULL
10001   Completed       auditlog        NULL    Table Check:    NULL    NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
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10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
10001   Error   avgspeeddistribution    11      sum of avgSpeedFraction <> 1.0  0       NULL    c10001y2011_in20120601  NULL    NULL    NULL    NULL
```
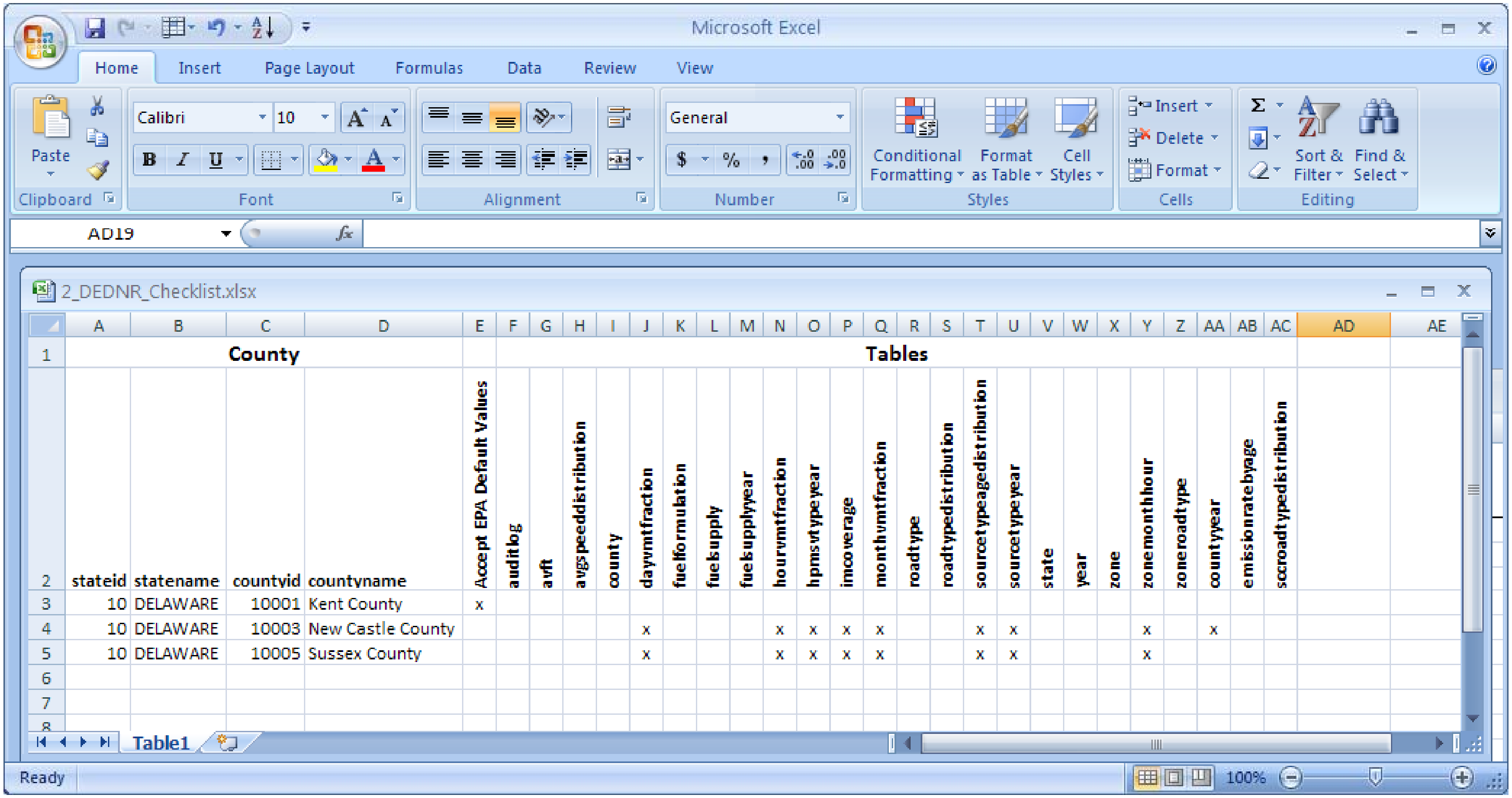

2. Check list

- PSC_Checklist.xls (or xlsx)
- EPA will post a checklist for download prior to window opening on the 2011 website
- The checklist indicates
  - Which tables in which counties contain updates to EPA defaults
  - For which counties agencies accept EPA defaults
- The checklist must be included in the EIS submittal

Example of Checklist


Microsoft Excel
Home
Insert
Page Layout
Formulas
Data
Review
View
2_DEDNR_Checklist.xlsx
AD19
Table1
Ready
100%

County				Tables																								
stateid	statename	countyid	countyname	Accept EPA Default Values	auditlog	avft	avgspeeddistribution	county	dayvmtfraction	fuelformulation	fuelsupply	fuelsupplyyear	hourvmtfraction	hpmsvtypeyear	imcoverage	monthvmtfraction	roadtype	roadtypedistribution	sourcetypeagedistribution	sourcetypeyear	state	year	zone	zonemonthhour	zoneroadtype	countyyear	emissionratebyage	scroadtypedistribution
10	DELAWARE	10001	Kent County	x																								
10	DELAWARE	10003	New Castle County						x				x	x	x	x			x	x				x		x		
10	DELAWARE	10005	Sussex County						x				x	x	x	x			x	x				x				

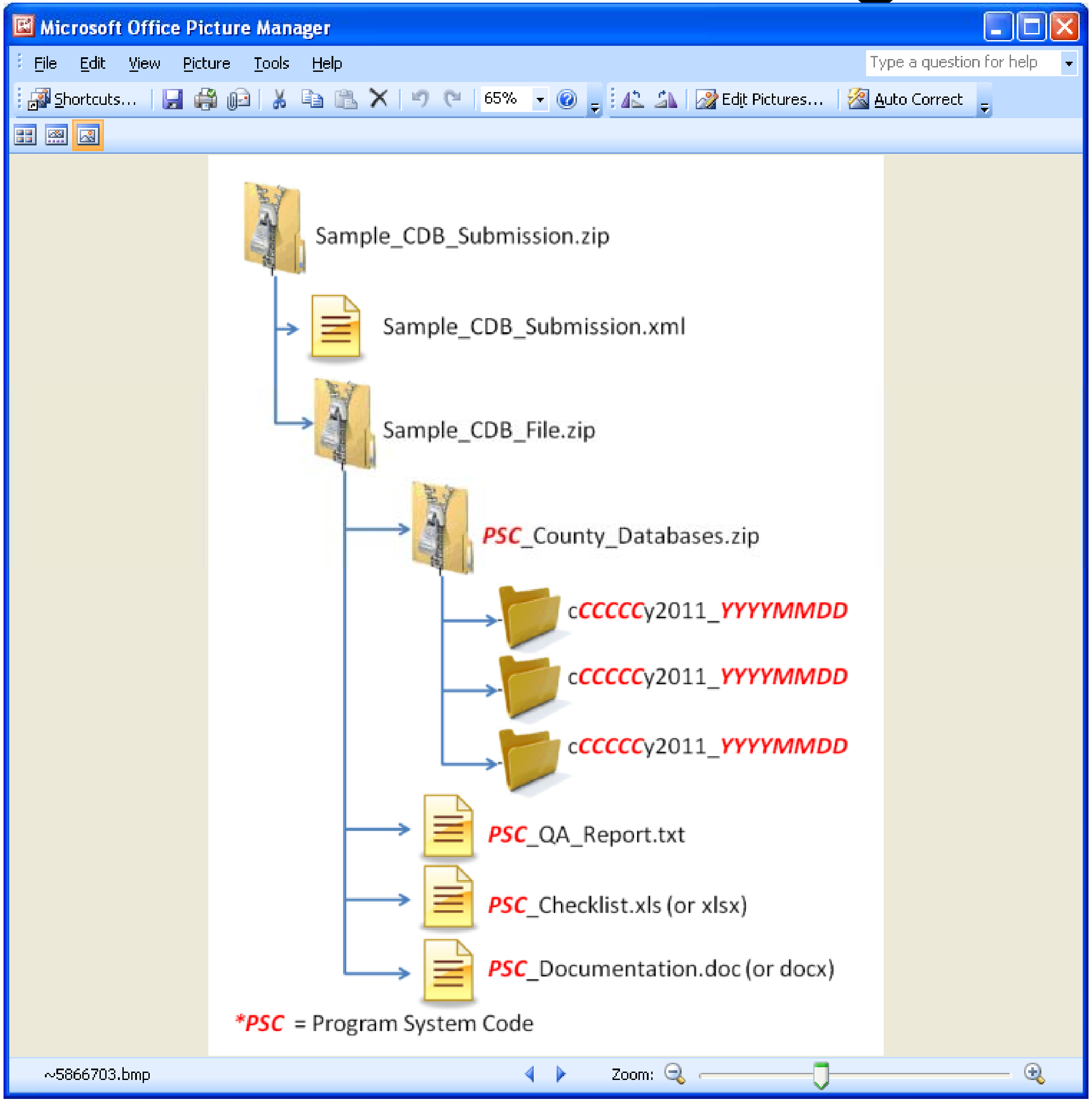
3. Documentation

- PSC_Documentation.doc (or docx)
- A word file that explains the source of SLT provided input data. A .doc or .docx file is required
- Additional supporting files of any format are optional (e.g., .pdf or .xls)

4. CDB Folders

- PSC_County_Database.zip
- Zipped file containing individual folders for each county’s CDB, and labeled with a creation date in the name (example “c10001y2011_20120601.”
- CDBs must include a minimum of the 24 tables listed in the summary checklist for each submitted county.
- The submitter does not need to submit CDBs for counties where he has no improvements over EPA defaults.
- There will be no representative county submittals.
- Format is the same MySQL files that MOVES uses.
- EACH CDB SUBMITTAL IS A COMPLETE REPLACEMENT OF PREVIOUS SUBMITTALS

Submittal Package


Microsoft Office Picture Manager
File
Edit
View
Picture
Tools
Help
Type a question for help
Shortcuts...
65%
Edit Pictures...
Auto Correct
~5866703.bmp
Zoom:

Sample_CDB_Submission.zip

Sample_CDB_Submission.xml

Sample_CDB_File.zip

*PSC*_County_Databases.zip

c*CCCCC*y2011_*YYYYMMDD*

c*CCCCC*y2011_*YYYYMMDD*

c*CCCCC*y2011_*YYYYMMDD*

*PSC*_QA_Report.txt

*PSC*_Checklist.xls (or xlsx)

*PSC*_Documentation.doc (or docx)

**PSC* = Program System Code

Creating XML HEADER

- 2 ways
  - – Using staging tables
    - CERS and ExchangeHeader tables only -- currently under revision
  - – Edit XML available from 2011 NEI page

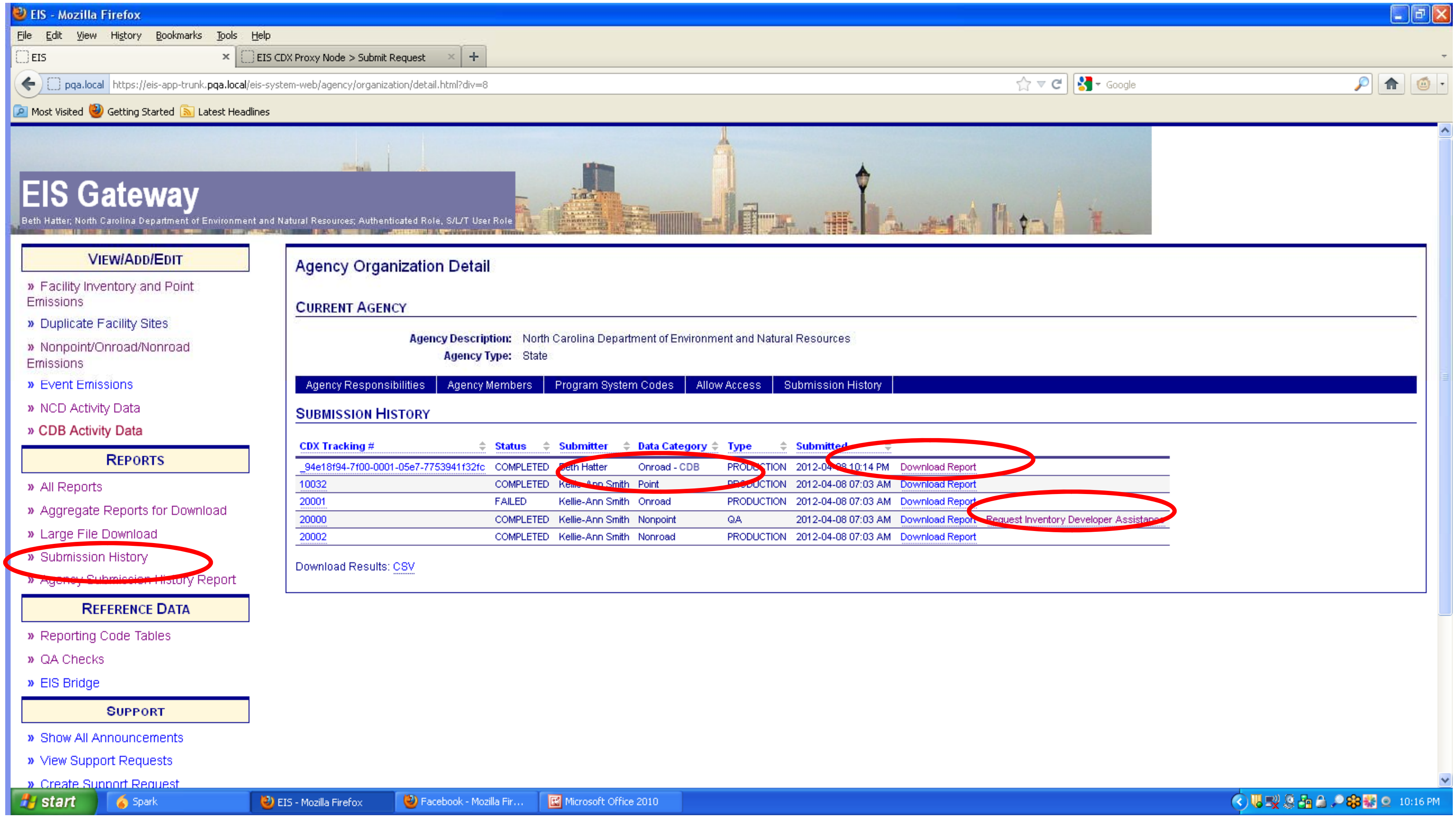
Editing XML text

```
<hdr:Document id="IDxx" xmlns:hdr="http://www.exchangenetwork.net/schema/header/2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="http://www.exchangenetwork.net/schema/header/2 http://www.exchangenetwork.net/schema/header/2/header_v2.0.xsd">
 <hdr:Header>
  <hdr:AuthorName>Your Name</hdr:AuthorName>
  <hdr:OrganizationName>Your Organization</hdr:OrganizationName>
  <hdr:DocumentTitle>EIS</hdr:DocumentTitle>
  <hdr:CreationDateTime>2012-04-10T14:02:39</hdr:CreationDateTime>
  <hdr:Keywords></hdr:Keywords>
  <hdr:Comment></hdr:Comment>
  <hdr:DataFlowName>EIS_v1_0</hdr:DataFlowName>
  <hdr:Property>
   <hdr:PropertyName>SubmissionType</hdr:PropertyName>
   <hdr:PropertyValue>QA</hdr:PropertyValue>
  </hdr:Property>
  <hdr:Property>
   <hdr:PropertyName>DataCategory</hdr:PropertyName>
   <hdr:PropertyValue>Onroad</hdr:PropertyValue>
  </hdr:Property>
  <hdr:Property>
   <hdr:PropertyName>CDBDataFile</hdr:PropertyName>
   <hdr:PropertyValue>Sample_CDB_File.zip</hdr:PropertyValue>
  </hdr:Property>
 </hdr:Header>
 <hdr:Payload>
  <cer:CERS xmlns:cer="http://www.exchangenetwork.net/schema/cer/1" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="http://www.exchangenetwork.net/schema/cer/1 http://www.exchangenetwork.net/schema/cer/1/index.xsd">
   <cer:UserIdentifier>youruserid@xyz.gov</cer:UserIdentifier>
   <cer:ProgramSystemCode>yourPSC</cer:ProgramSystemCode>
   <cer:EmissionsYear>2011</cer:EmissionsYear>
  </cer:CERS>
 </hdr:Payload>
</hdr:Document>
```

EIS Feedback

- EIS checks
  - Required files and folders are present
  - Naming conventions and formats are met
  - Counties in QA report match counties in CDB folders
  - QA Report confirms there are no errors from the QA tool checks

Feedback Report for CDBs Submittal


EIS - Mozilla Firefox
File Edit View History Bookmarks Tools Help
EIS
EIS CDX Proxy Node > Submit Request
pqa.local https://eis-app-trunk.pqa.local/eis-system-web/agency/organization/detail.html?div=8
Google
Most Visited Getting Started Latest Headlines
EIS Gateway
Beth Hatter; North Carolina Department of Environment and Natural Resources; Authenticated Role, S/L/T User Role
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» Reporting Code Tables
» QA Checks
» EIS Bridge
SUPPORT
» Show All Announcements
» View Support Requests
» Create Support Request
Agency Responsibilities
Agency Members
Program System Codes
Allow Access
Submission History
start
Spark
EIS - Mozilla Firefox
Facebook - Mozilla Fir...
Microsoft Office 2010
10:16 PM

Agency Organization Detail

CURRENT AGENCY

Agency Description: North Carolina Department of Environment and Natural Resources
Agency Type: State

SUBMISSION HISTORY

CDX Tracking #	Status	Submitter	Data Category	Type	Submitted		
_94e18f94-7f00-0001-05e7-7753941f32fc	COMPLETED	Beth Hatter	Onroad - CDB	PRODUCTION	2012-04-08 10:14 PM	Download Report	
10032	COMPLETED	Kellie-Ann Smith	Point	PRODUCTION	2012-04-08 07:03 AM	Download Report	
20001	FAILED	Kellie-Ann Smith	Onroad	PRODUCTION	2012-04-08 07:03 AM	Download Report	
20000	COMPLETED	Kellie-Ann Smith	Nonpoint	QA	2012-04-08 07:03 AM	Download Report	Request Inventory Developer Assistance
20002	COMPLETED	Kellie-Ann Smith	Nonroad	PRODUCTION	2012-04-08 07:03 AM	Download Report	

Download Results: CSV

What EPA will do with submittals

- Collect and compile submitted CDBs
- Run QA tool again
- Contact agencies with questions
- Run latest available MOVES model for CAP/HAP at monthly or finer level
- Load emissions into EIS

Emissions Submittals

- Agencies may submit emissions, but inputs are preferred
- Multiple emissions data are accessible in EIS. If an agency submits, EPA and SLT data will be present.

Onroad Emissions Submittals

- Requirements for submitting onroad emissions inventory
  - CERS
  - Exchange Header
  - Location
  - Emissions Process
  - Reporting Period
  - Emissions
- Optional
  - Excluded Location Parameter

Required - CERS

- Required
  - – User ID (EIS login)
  - – Program System Code
  - – Emissions Year
- 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 (**Onroad)**
- Optional
  - – Keywords
  - – Comments
  - – Property-NCD Data File (Only when submitting NCD)

Required - Location

- Required
  - – State/County FIPS or Tribal Code

- Optional
  - – Census Tract Identifier
  - – Shape Identifier
  - – Location Comment

Required - Emissions Process

- Required
  - – State/County FIPS or Tribal Code
  - – Source Classification Code
  - – Emissions Type Code
- Optional
  - – Census Tract
  - – Shape Identifier
  - – Process Comment

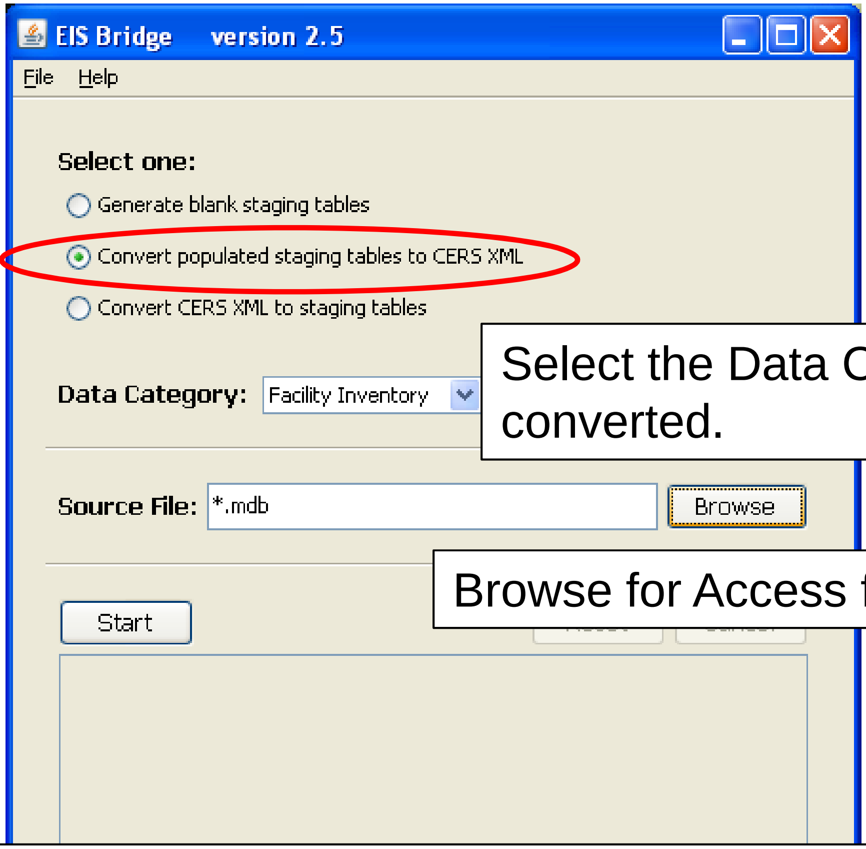
Required - Reporting Period

- Required
  - State/County FIPS or Tribal Code
  - Source Classification Code
  - Emissions Type Code
  - Reporting Period Type Code
  - Calculation Parameter Type Code - **Only Onroad** (“I” for input)
  - Calculation Parameter Value and UOM – **Only Onroad** (VMT, E3Mile)
  - Calculation Parameter Material Code – **Only Onroad** (“368” for vehicle)
- Optional
  - Census Tract and Shape Identifier
  - Calculation Data Year – Only Onroad
  - Calculation Data Source – Only Onroad
  - Reporting Period Comment

Required - Emissions

- Required
    - State/County FIPS or Tribal Code
    - Source Classification Code
    - Emissions Type Code
    - Reporting Period type Code
    - Pollutant Code
    - Total Emissions and UOM
- Optional
    - Census Tract and Shape Identifier
    - Emissions Comment

Creating XML File via the Bridge Tool



Select one:

○ Generate blank staging tables

● Convert populated staging tables to CERS XML

○ Convert CERS XML to staging tables

Data Category: Facility Inventory

Source File: *.mdb

Select the Data Category being converted.

Browse for Access file and select “Start”.

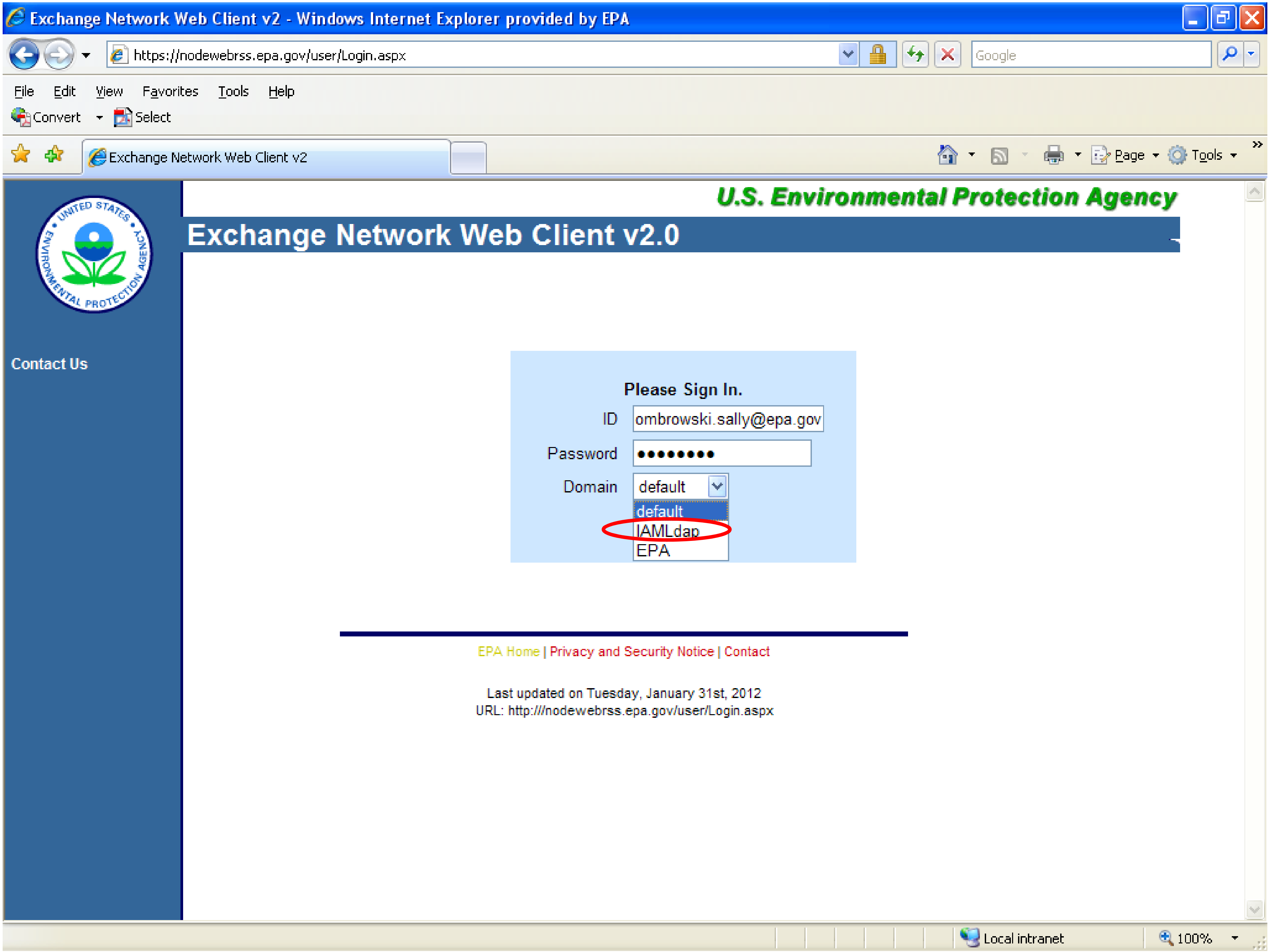
REMEMBER: The Bridge Tool works on Access 2003. If your file is saved as Access 2007 or later, you will need to do a “save as” to Access 2003 prior to using the Bridge Tool.

Common Bridge Tool Errors

- Look at your xml file prior to zipping it using Note Pad or your web browser. Make sure you see all of the components.
  - This error is generally tied to the use of EIS Identifiers. If the submitter uses the EIS Identifiers in one table they must be used in all tables. You can not submit the EIS ID for a process in one table and no process in another.

Submitting the zipped XML File

- 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
  - – 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
U.S. Environmental Protection Agency
Exchange Network Web Client v2.0
Contact Us

Please Sign In.

ID: ombrowski.sally@epa.gov

Password: ●●●●●●●●

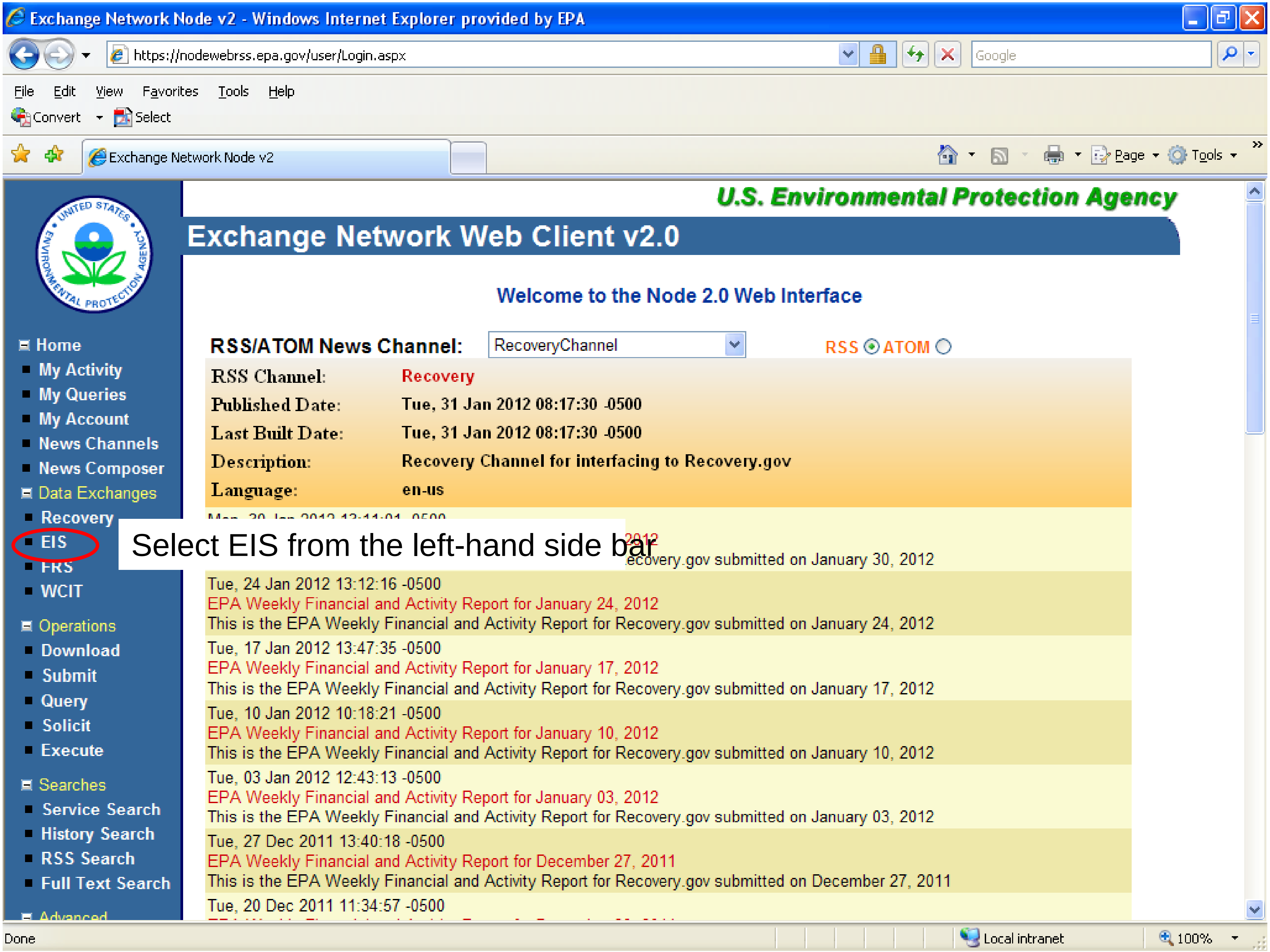
Domain: default

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://nodewebrss.epa.gov/user/Login.aspx
Google
File
Edit
View
Favorites
Tools
Help
Convert
Select
Exchange Network Node v2
Page
Tools
U.S. Environmental Protection Agency
Exchange Network Web Client v2.0
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
Done
Local intranet
100%

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

Mon, 30 Jan 2012 13:11:01 -0500
2012
ecovery.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

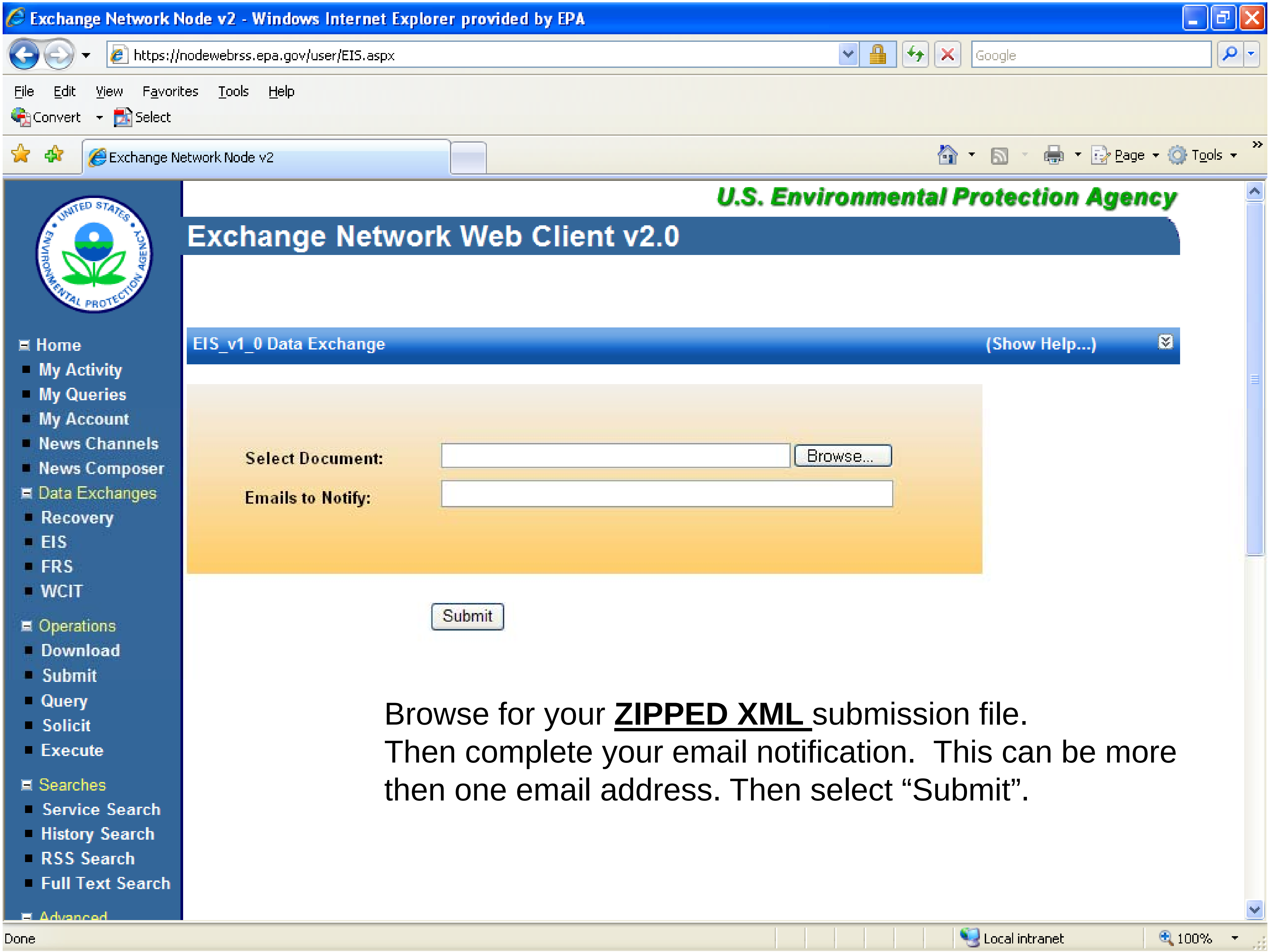
Tue, 10 Jan 2012 10:18:21 -0500
EPA Weekly Financial and Activity Report for January 10, 2012
This is the EPA Weekly Financial and Activity Report for Recovery.gov submitted on January 10, 2012

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

Select EIS from the left-hand side bar


Exchange Network Node v2 - Windows Internet Explorer provided by EPA
https://nodewebrss.epa.gov/user/EIS.aspx
Google
File Edit View Favorites Tools Help
Convert Select
Exchange Network Node v2
Page Tools
U.S. Environmental Protection Agency
Exchange Network Web Client v2.0
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
EIS_v1_0 Data Exchange
(Show Help...)
Select Document:
Browse...
Emails to Notify:
Submit
Done
Local intranet
100%

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

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

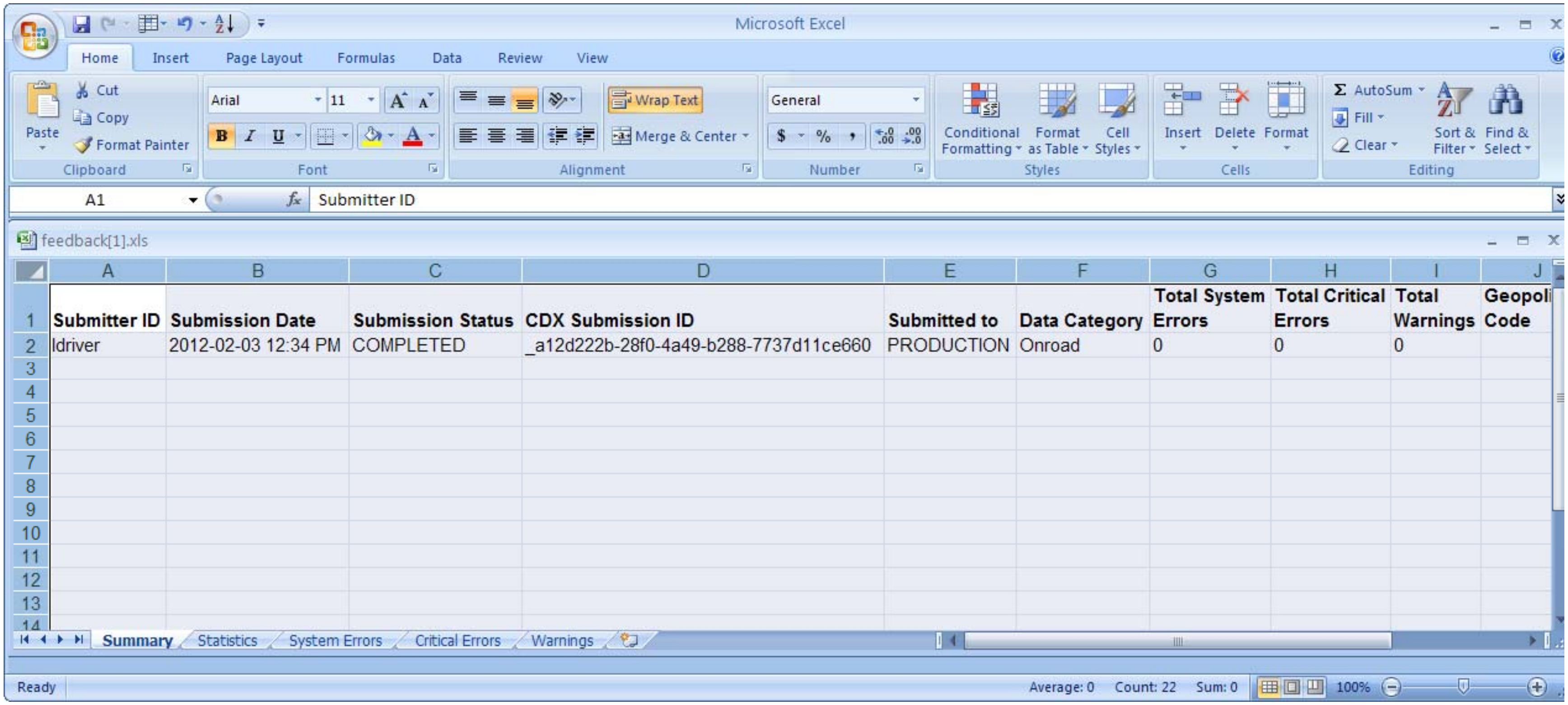
The Feedback Report

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

Feedback Report
Critical Errors

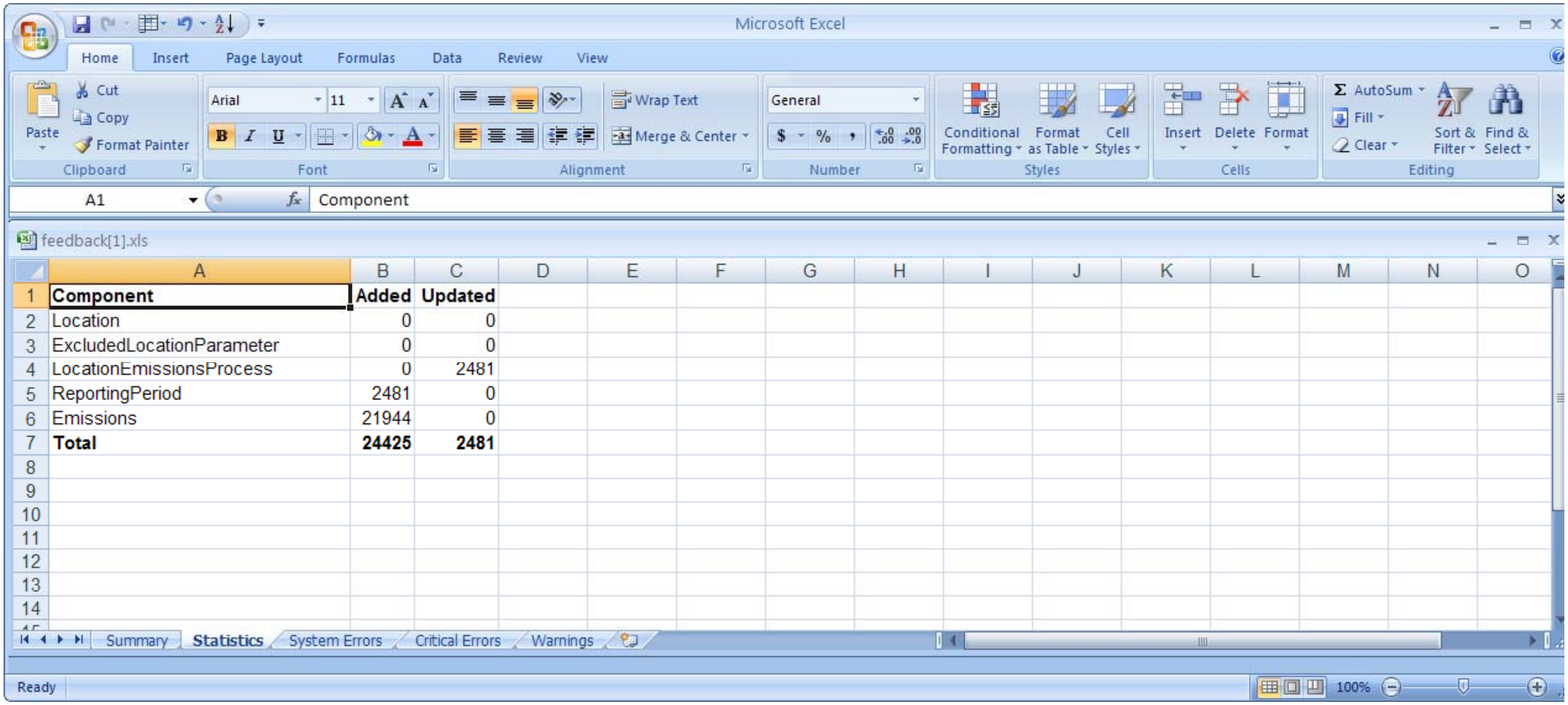
- The most important page of your feedback report
- All critical errors must be resolved prior to submitting to Production

Feedback


Microsoft Excel
Home
Insert
Page Layout
Formulas
Data
Review
View
Paste
Cut
Copy
Format Painter
Clipboard
Arial
11
Font
Wrap Text
Merge & Center
Alignment
General
Number
Conditional Formatting
Format as Table
Cell Styles
Styles
Insert
Delete
Format
Cells
AutoSum
Fill
Clear
Sort & Filter
Find & Select
Editing
A1
Submitter ID
feedback[1].xls
Summary
Statistics
System Errors
Critical Errors
Warnings
Ready
Average: 0
Count: 22
Sum: 0
100%

Submitter ID	Submission Date	Submission Status	CDX Submission ID	Submitted to	Data Category	Total System Errors	Total Critical Errors	Total Warnings	Geopoli Code
ldriver	2012-02-03 12:34 PM	COMPLETED	_a12d222b-28f0-4a49-b288-7737d11ce660	PRODUCTION	Onroad	0	0	0	

Feedback

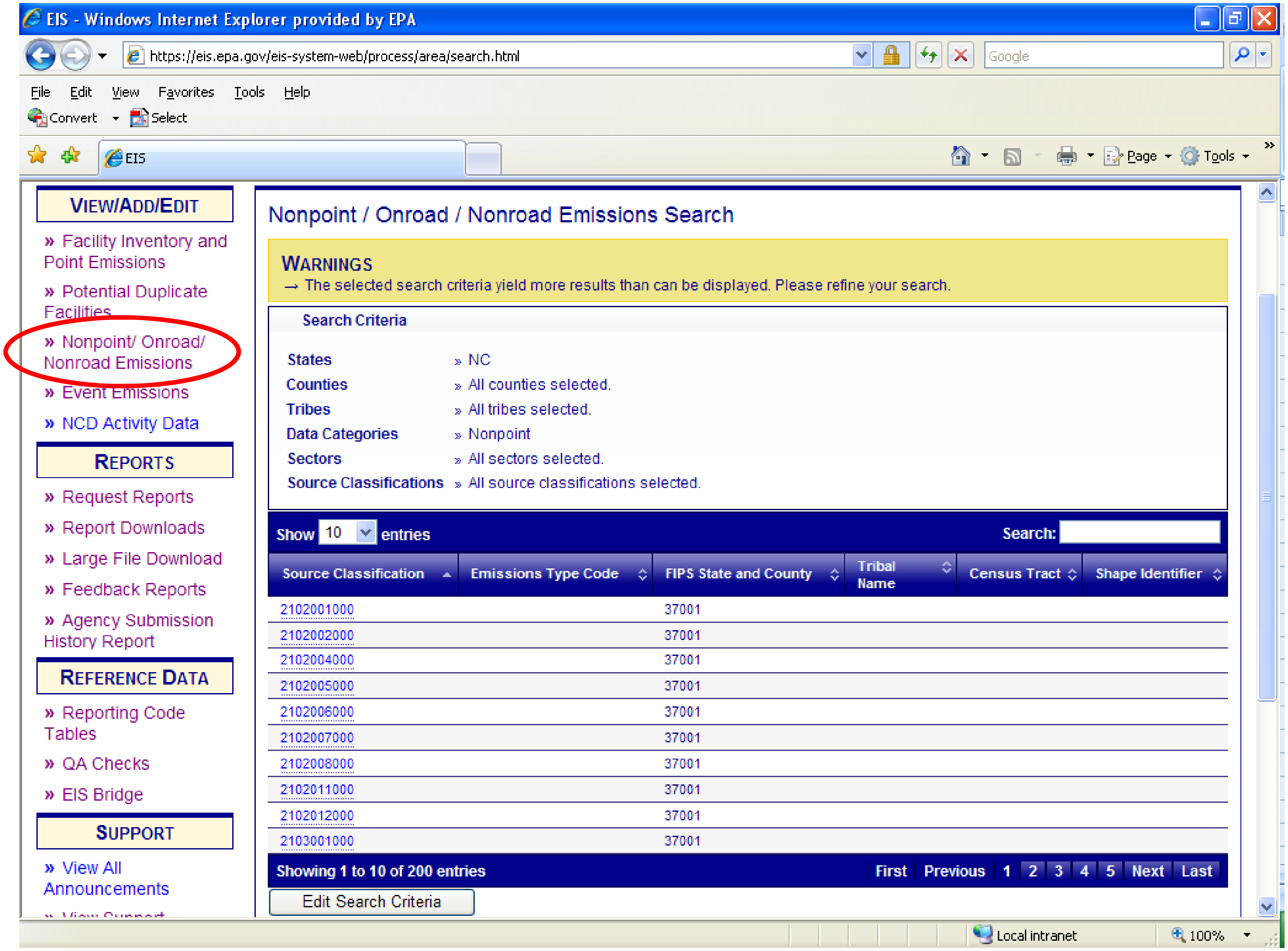

Microsoft Excel
Home
Insert
Page Layout
Formulas
Data
Review
View
Paste
Cut
Copy
Format Painter
Clipboard
Arial
11
Font
Wrap Text
Merge & Center
Alignment
General
Number
Conditional Formatting
Format as Table
Cell Styles
Styles
Insert
Delete
Format
Cells
AutoSum
Fill
Clear
Sort & Filter
Find & Select
Editing
A1
Component
feedback[1].xls
Summary
Statistics
System Errors
Critical Errors
Warnings
Ready
100%

Component	Added	Updated
Location	0	0
ExcludedLocationParameter	0	0
LocationEmissionsProcess	0	2481
ReportingPeriod	2481	0
Emissions	21944	0
Total	**24425**	**2481**

When will my data show up in EIS?

- Onroad 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
Google
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
» 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
Local intranet
100%

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.

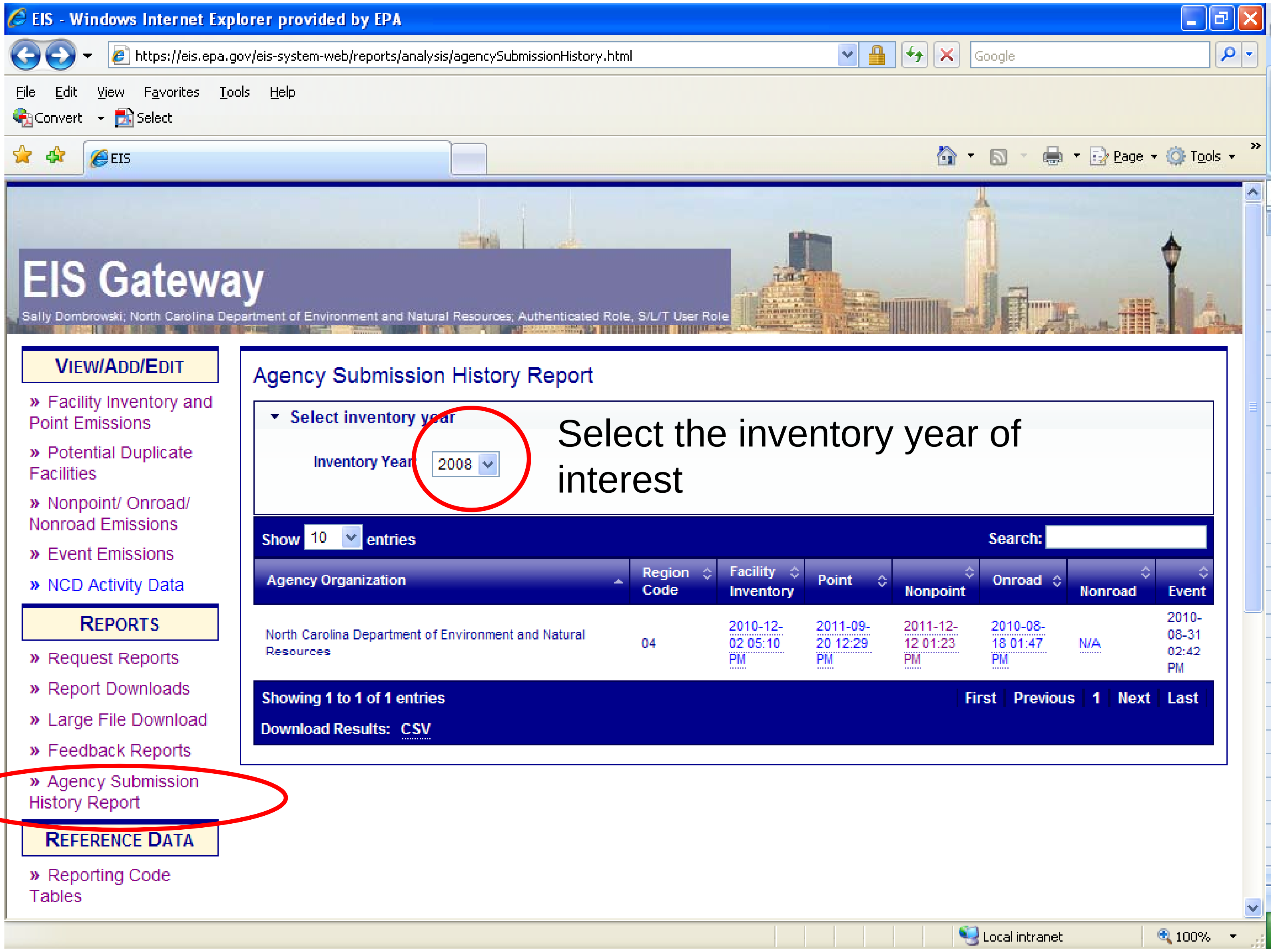
Show 10 entries Search:

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

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
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
Search:
First Previous 1 Next Last
Local intranet
100%

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

Agency Submission History Report

Select inventory year

Inventory Year: 2008

Select the inventory year of interest

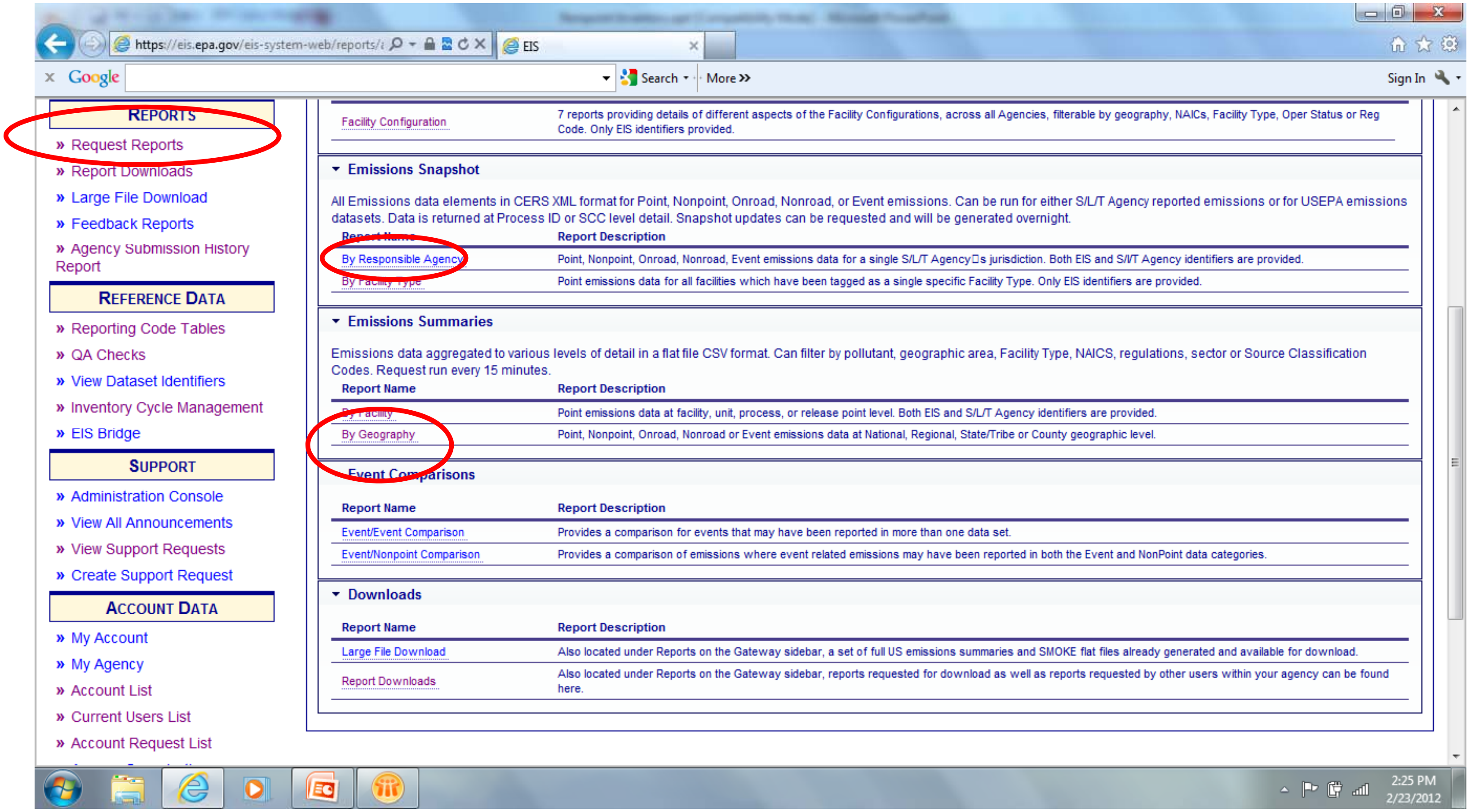
Show 10 entries

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

How do I get data out of EIS?


https://eis.epa.gov/eis-system-web/reports/
EIS
Google
Search
More »
Sign In
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
2:25 PM
2/23/2012

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/I/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.

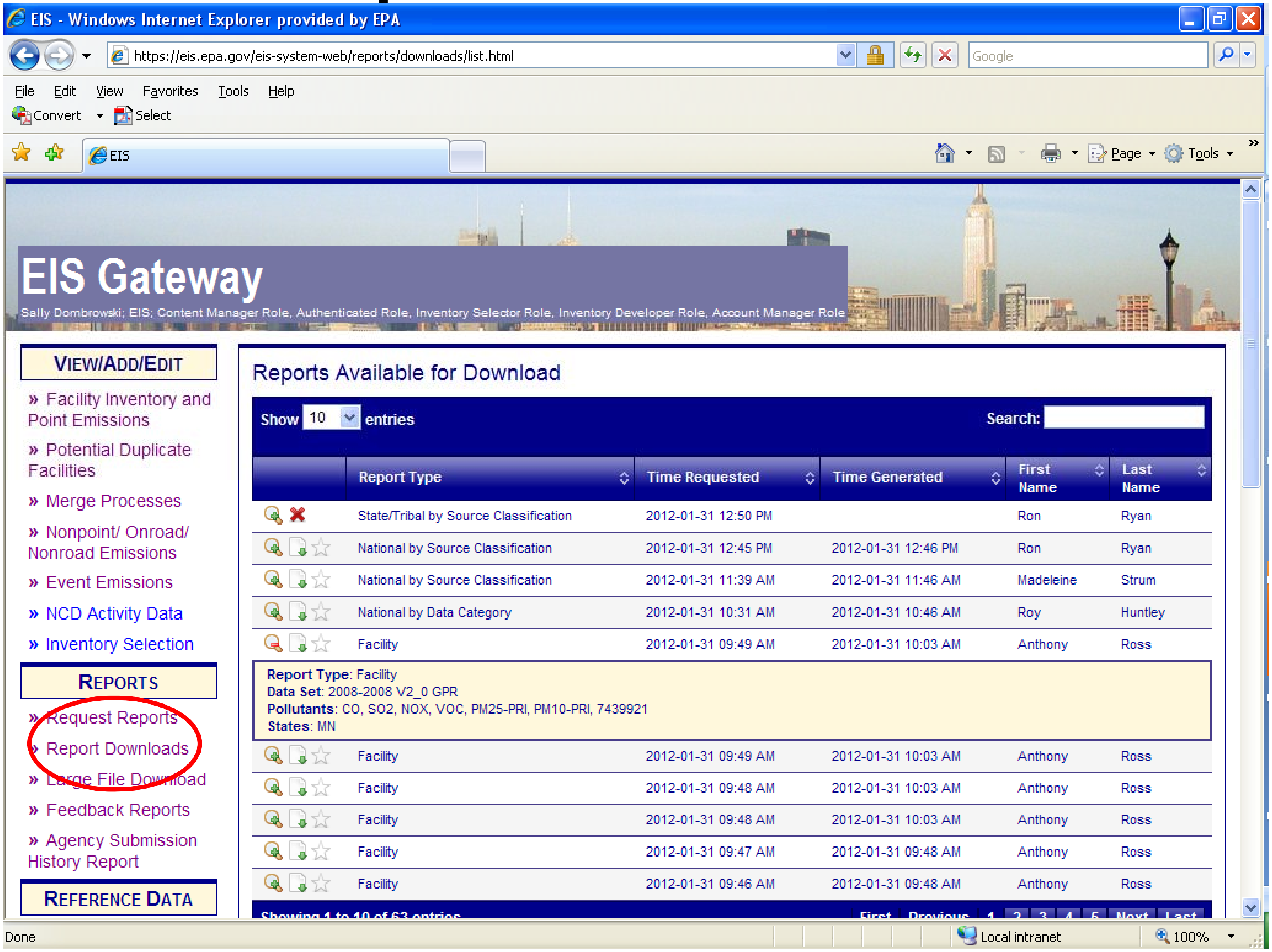
Event Comparisons

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.

Report Downloads


EIS - Windows Internet Explorer provided by EPA
https://eis.epa.gov/eis-system-web/reports/downloads/list.html
Google
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
Done
Local intranet
100%

EIS Gateway

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

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
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

Showing 1 to 10 of 63 entries First Previous 1 2 3 4 5 Next Last

How does EPA Check Your Data?

- Again, inputs are strongly preferred. We have QA to fix errors in advance of running MOVES
- Submitted emissions are compared to EPA’s for pollutants covered, disagreement between CAP/HAP, anomalous emis type/pol combinations, SCC coverage, etc.

Common Problems

- Overwriting previous submittals. Several submitters in trying to update/correct emissions values, submitted only one pollutant which overwrote previous submittal which contained many pollutants
- Poor use of emission type. For example, all emissions as evap does not make sense.
- Bad emis type/pollutant combinations (e.g., evap pm)

Contacts

- Submittal Issues

  -Sally Dombrowski dombrowski.sally@epa.gov; 919-541-3269
- Inventory Issues
  - Laurel Driver – Mobile Sources

    driver.laurel@epa.gov, 919-541-2859
- MOVES Issues
  - mobile@epa.gov