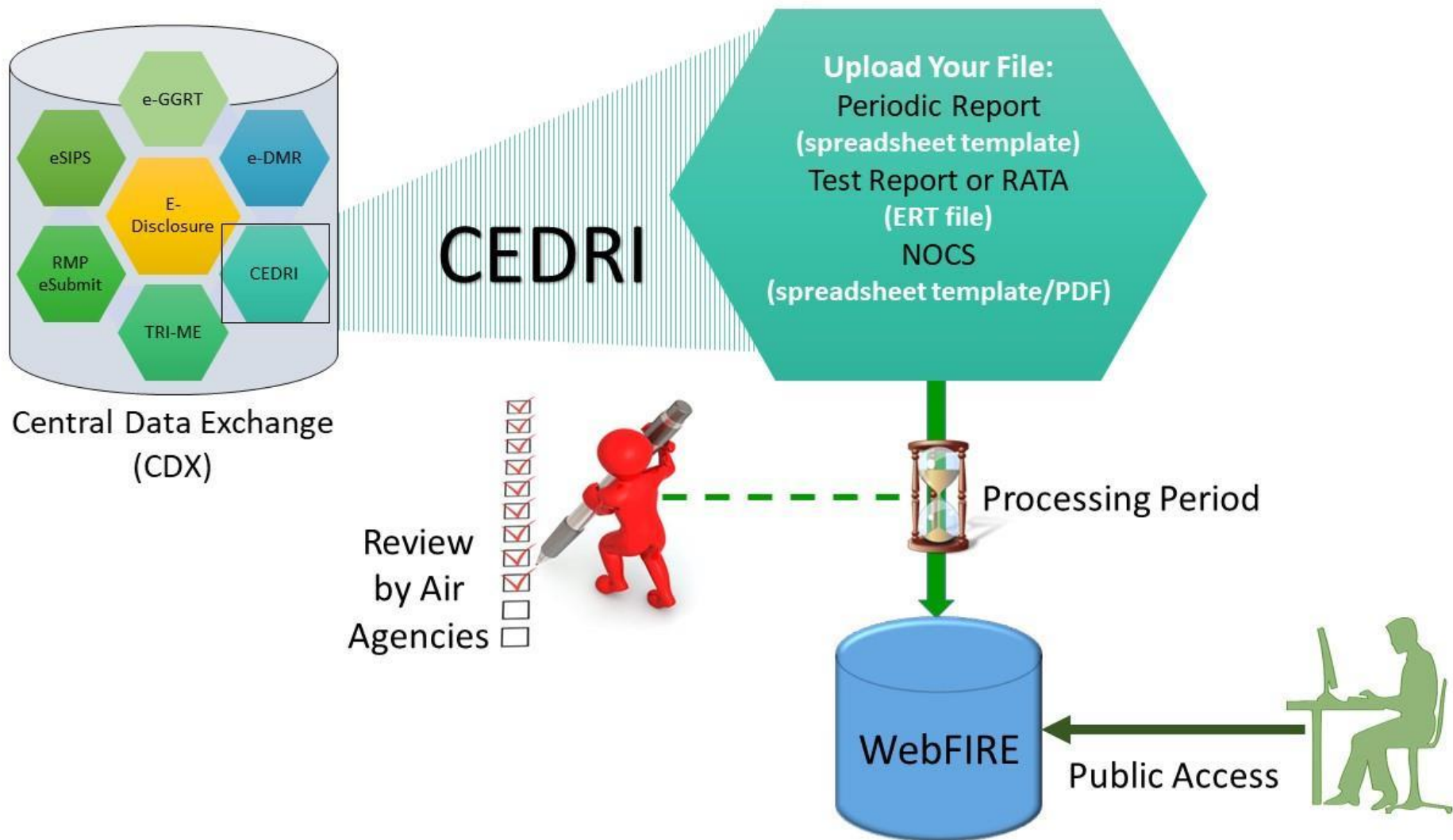


# EPA's Electronic Reporting Process: An Overview of the ERT, CEDRI and WebFIRE

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and Mike Ciolek

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Office of Air Quality Planning and Standards  
Sector Policies and Programs Division  
February 10, 2021

# Electronic Reporting Process Overview



# Topics for Discussion

- Overview of Process
- Benefits of Electronic Reporting
- Regulations
- Files – Electronic Reporting Tool files and spreadsheets
- Compliance Emissions Data Reporting Interface
- WebFIRE
- Emissions Factor Development

# How EPA Uses the Data?

- Emissions factors revisions
- Emission inventory improvement
- Maximum Achievable Control Technology (MACT) floor development
- Risk and technology review
- Control device assessment
- Detection limit review
- Data sharing

# Other Benefits

- Reduced data entry
- Report standardization
  - Data elements outlined
  - Quicker reviews
  - Imbedded QA checks
- Accessibility
- Federal repository
  - Includes data back-up
  - Reduces hardcopy storage needs

# Regulations and Report Types

- Rules requiring electronic reporting
  - Part 60 New Source Performance Standards
  - Part 62 Federal Plans
  - Part 63 National Emission Standards for Hazardous Air Pollutants
- Report type requiring electronic reporting
  - Notification of Compliance Status (pdf)
  - Semiannual/Annual Compliance Report templates (spreadsheets)
  - Performance Test Report and Performance Evaluations (ERT file)

# What is the Electronic Reporting Tool (ERT)?

- A Microsoft (MS) Access application originally developed to create stationary source sampling test plans and reports to help develop and refine emission factors.
- It calculates test results from data entered into the tool and includes supporting documentation to create a complete electronic report for submittal.

# What is the ERT?

- Currently, the Electronic Reporting Tool (ERT) is a MS Access database desktop application
- Tool that can create electronic alternative for paper reports of performance tests and evaluations (RATAs) and wood heater application and summary report
- Supports 49 methods and 5 Performance Specifications

[https://www.epa.gov/sites/production/files/2020-12/documents/ert\\_info.pdf](https://www.epa.gov/sites/production/files/2020-12/documents/ert_info.pdf)

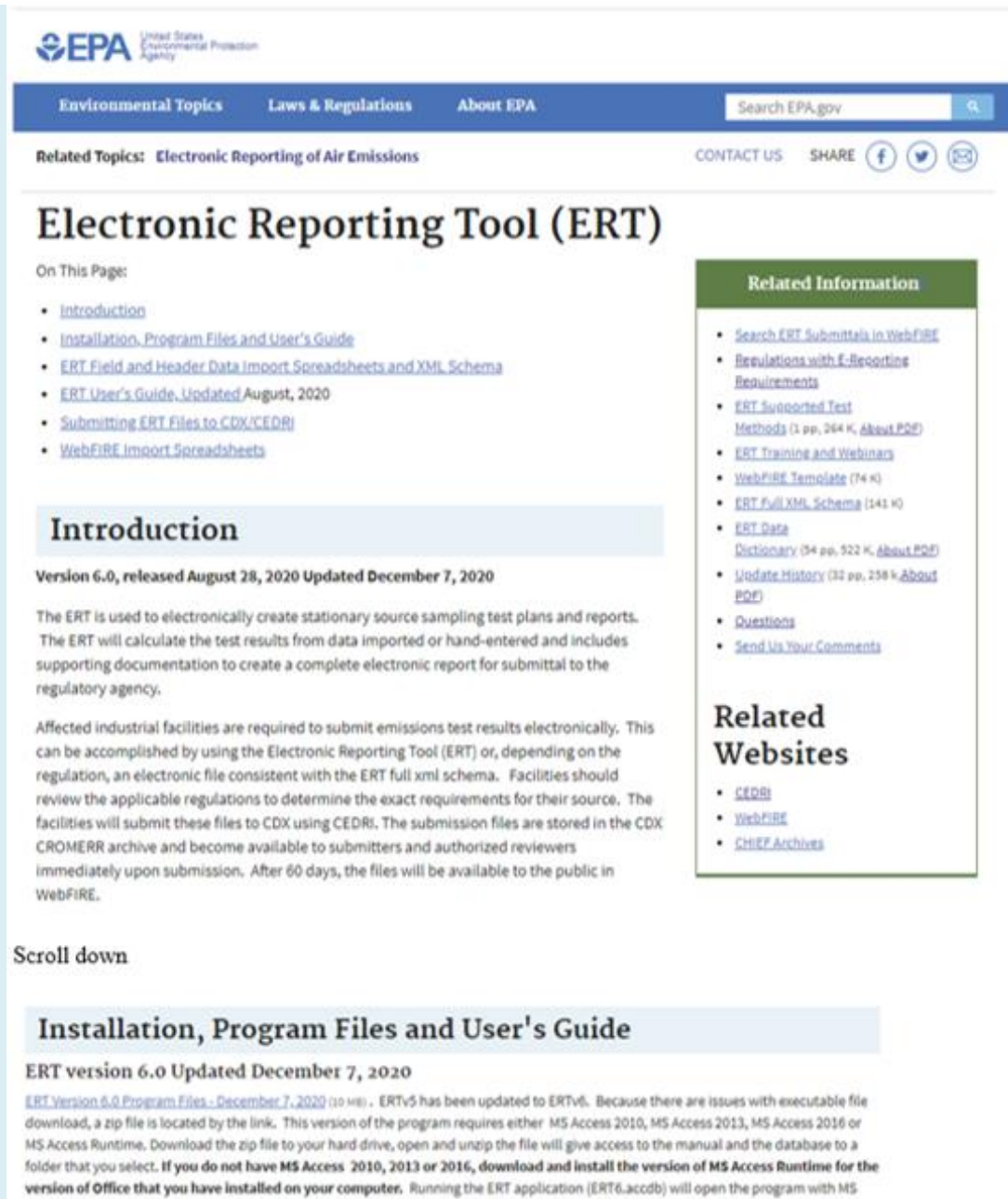


# To Access the ERT

- Computer needs MS Access 2010, MS Access 2013, MS Access 2016, MS Access 2019, Microsoft 365 or MS Access Runtime.
- To download and install MS Access Runtime and the ERT, go to: <https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>. Select the year of Office on your computer.
- Download the zip file to the hard drive- **ERT Version 6.0 Program Files** - 12/7/20. Currently, Version 6.0 is available on the website.

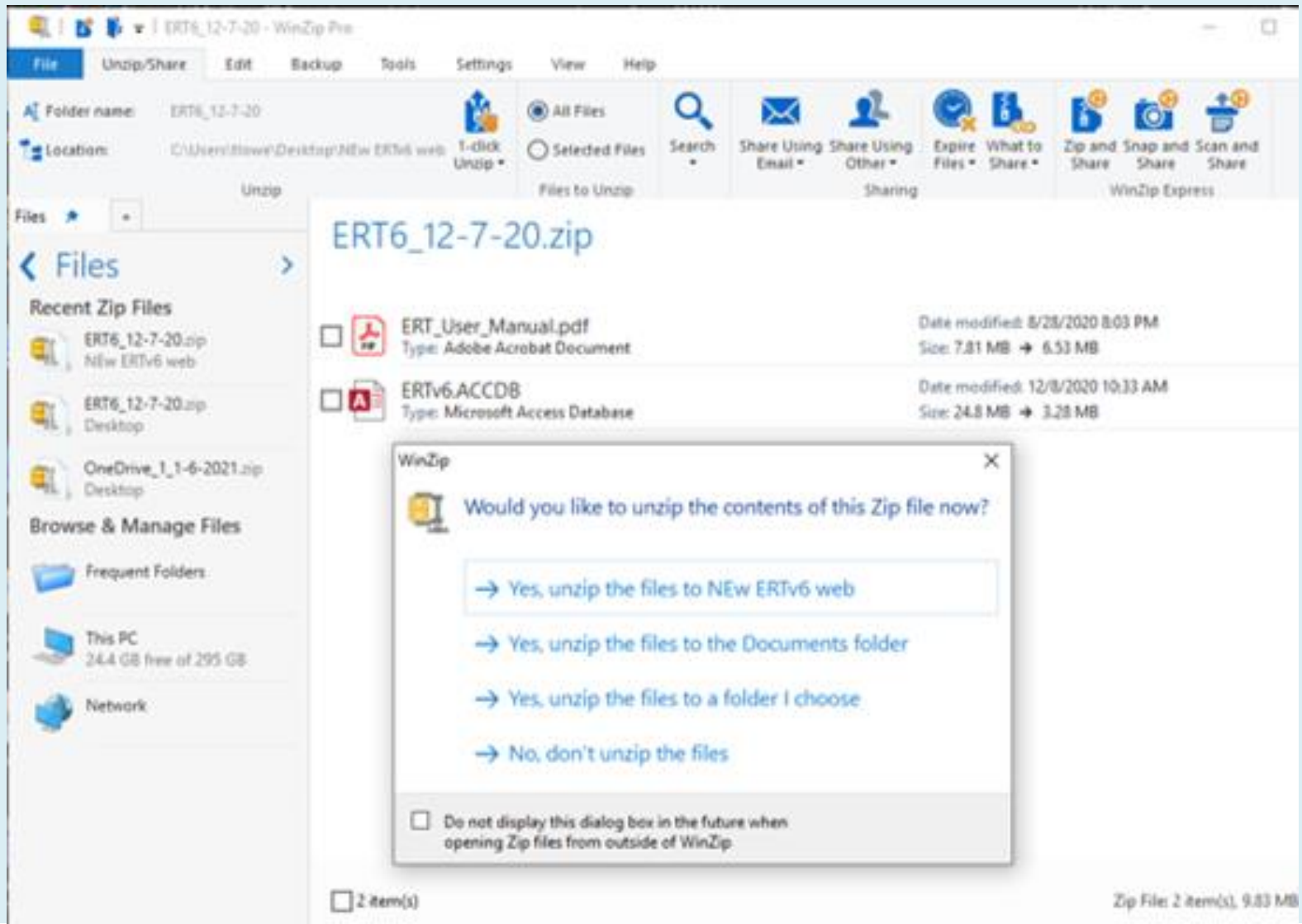
# ERT Website

<https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>

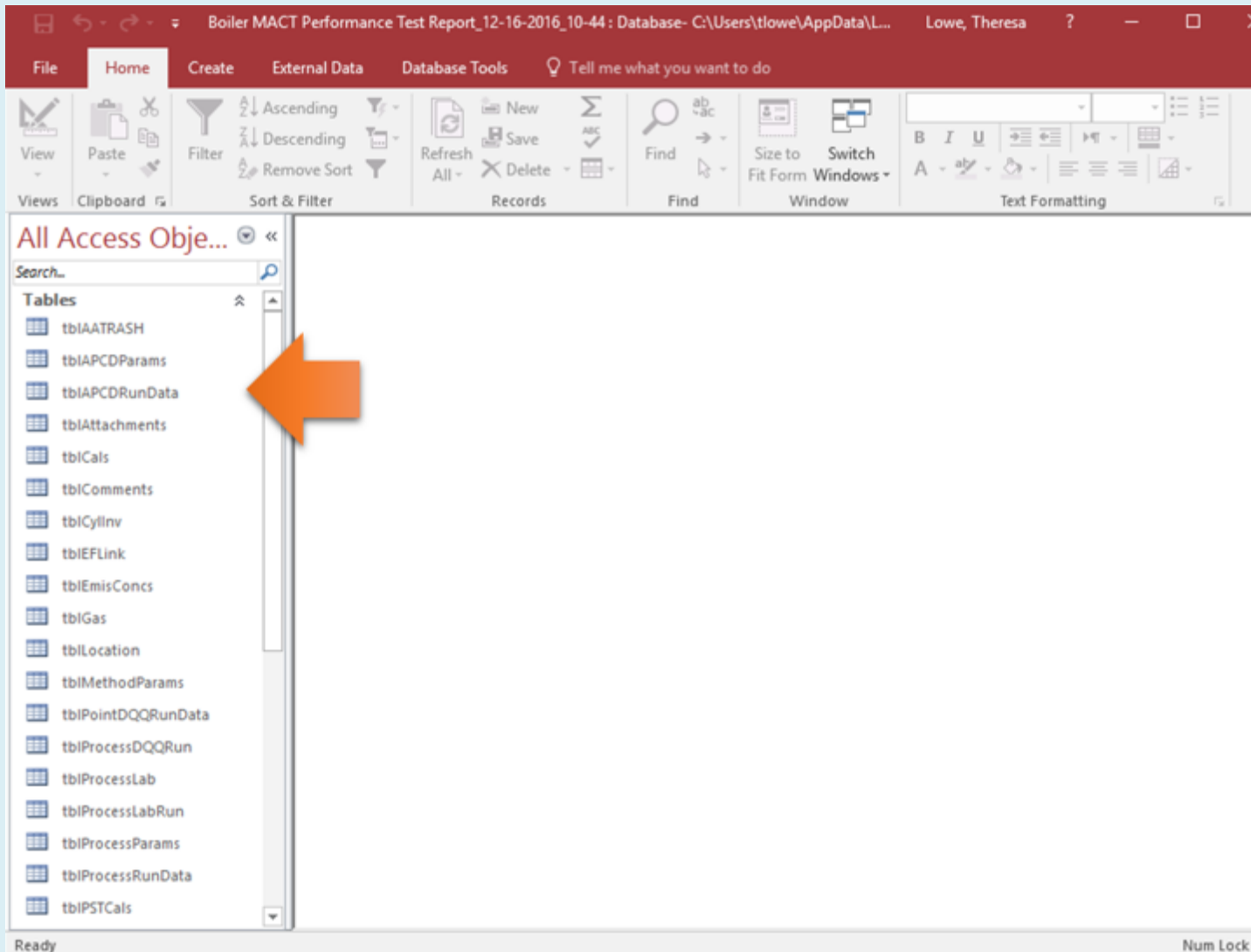


The screenshot shows the EPA website page for the Electronic Reporting Tool (ERT). The page features a navigation bar with links for Environmental Topics, Laws & Regulations, and About EPA, along with a search bar and social media icons. The main heading is "Electronic Reporting Tool (ERT)". Below this, there is a "Related Topics" section for "Electronic Reporting of Air Emissions" and a "CONTACT US" link. The "On This Page" section lists several links: Introduction, Installation, Program Files and User's Guide, ERT Field and Header Data Import Spreadsheets and XML Schema, ERT User's Guide, Updated August, 2020, Submitting ERT Files to CDX/CEDRI, and WebFIRE Import Spreadsheets. The "Introduction" section is highlighted and contains the following text: "Version 6.0, released August 28, 2020 Updated December 7, 2020. The ERT is used to electronically create stationary source sampling test plans and reports. The ERT will calculate the test results from data imported or hand-entered and includes supporting documentation to create a complete electronic report for submittal to the regulatory agency. Affected industrial facilities are required to submit emissions test results electronically. This can be accomplished by using the Electronic Reporting Tool (ERT) or, depending on the regulation, an electronic file consistent with the ERT full xml schema. Facilities should review the applicable regulations to determine the exact requirements for their source. The facilities will submit these files to CDX using CEDRI. The submission files are stored in the CDX CROMERR archive and become available to submitters and authorized reviewers immediately upon submission. After 60 days, the files will be available to the public in WebFIRE." A "Scroll down" instruction is present. The "Related Information" sidebar lists links for Search ERT Submittals in WebFIRE, Regulations with E-Reporting Requirements, ERT Supported Test Methods (1 pp, 264 K, About PDF), ERT Training and Webinars, WebFIRE Template (74 K), ERT Full XML Schema (141 K), ERT Data Dictionary (94 pp, 522 K, About PDF), Update History (32 pp, 238 K, About PDF), Questions, and Send Us Your Comments. The "Related Websites" sidebar lists links for CEDRI, WebFIRE, and CHIEF Archives. The "Installation, Program Files and User's Guide" section is highlighted and contains the text: "ERT version 6.0 Updated December 7, 2020. ERT Version 6.0 Program Files - December 7, 2020 (10 MB) - ERTv5 has been updated to ERTv6. Because there are issues with executable file download, a zip file is located by the link. This version of the program requires either MS Access 2010, MS Access 2013, MS Access 2016 or MS Access Runtime. Download the zip file to your hard drive, open and unzip the file will give access to the manual and the database to a folder that you select. If you do not have MS Access 2010, 2013 or 2016, download and install the version of MS Access Runtime for the version of Office that you have installed on your computer. Running the ERT application (ERT6.accdb) will open the program with MS

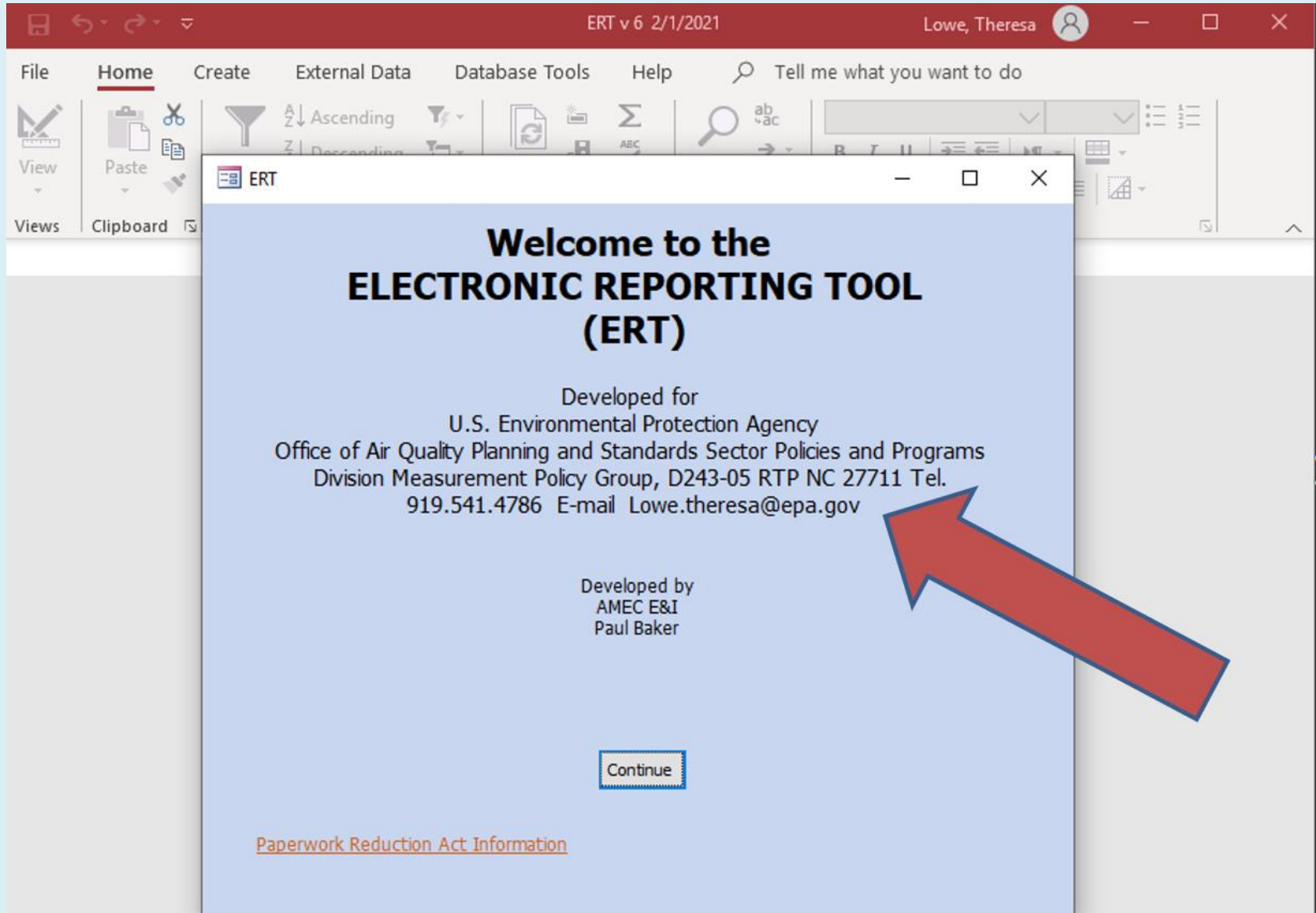
# ERT zip download contains .accdb tool and user guide



# ERT data file opened outside of the ERT application



# Welcome to the ERT



The screenshot shows the ERT v6 2/1/2021 application window. The title bar includes the version and date, the user name 'Lowe, Theresa', and standard window controls. The ribbon menu has tabs for File, Home, Create, External Data, Database Tools, and Help. The Home tab is active, showing various data manipulation icons. A modal dialog box is centered on the screen with the following text:

**Welcome to the  
ELECTRONIC REPORTING TOOL  
(ERT)**

Developed for  
U.S. Environmental Protection Agency  
Office of Air Quality Planning and Standards Sector Policies and Programs  
Division Measurement Policy Group, D243-05 RTP NC 27711 Tel.  
919.541.4786 E-mail [Lowe.theresa@epa.gov](mailto:Lowe.theresa@epa.gov)

Developed by  
AMEC E&I  
Paul Baker

[Paperwork Reduction Act Information](#)

A large red arrow points from the bottom right towards the email address in the dialog box.

# ERT Main Menu

- 5 areas to the ERT
1. Test plan;
2. Test Data;
3. Regulatory Agency Review
4. Printed Reports & Administration
5. Wood Heater Module

## ERT - Main Menu

**Setup / Test Plan**

Test Plan

**Quick Jumps**

SCC

Process Info

Locations/Methods

**Test Data**

Run Data

Process Data

Tester DQ Assessment

Attachments

Completeness Check

Report Verification

**Regulatory Agency Review**

Test Plan Review

Regulatory Field Observation Documentation

Regulatory Assessment of Supporting Documentation

Emissions Results

Comprehensive Regulatory Test Assessment

**Printed Reports**

Select Report / Data Table

**Administration**

Help / Sys. Reports

**Wood Heaters**

Wood Heater Application

Wood Heater Lab Data Entry

Wood Heater Summary Tables

Wood Heater Checklist

Wood Heater Attachments

Select Project Data Set
Create New Project Data Set
Save Project Data Set As
Compact Project Data Set

Current Project Data Set: C:\Users\tlowe\Desktop\ProjectData\..acddb - Date Created: 1/22/2021

**Project Submittal History:** Create ERT Submission Package File

*	Action	SubmitDate	SubmittedTo	SubmittedFr	Comment	Pkg Name

Record: 1 of 1 | No Filter | Search

# Create a Project Data Set or open a data file

## ERT - Main Menu

**Setup / Test Plan**

Test Plan

**Quick Jumps**

SCC

Process Info

Locations/Methods

**Test Data**

Run Data

Process Data

Tester DQ Assessment

Attachments

Completeness Check

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Test Plan Review

Regulatory Field Observation Documentation

Regulatory Assessment of Supporting Documentation

Emissions Results

Comprehensive Regulatory Test Assessment

**Printed Reports**

Select Report / Data Table

**Administration**

Help / Sys. Reports

**Wood Heaters**

Wood Heater Application

Wood Heater Lab Data Entry

Wood Heater Summary Tables

Wood Heater Checklist

Wood Heater Attachments

Current Project Data Set: C:\Users\tlowe\Desktop\ProjectData\..accdb - Date Created: 1/22/2021

**Project Submittal History:**

Action	SubmitDate	SubmittedTo	SubmittedFr	Comment	Pkg Name
*					

Record: 1 of 1 | No Filter | Search

# 1. Test Plan (all asterisks(\*) must be answered)

- Facility and tester information
- Permit and Source Classification Code (SCC)
- Location and Methods used for test
- Regulations
- Process and Air Pollution Control Device
- Audit/Calibrations
- Schedule
- Reviewers
- Attachments



# 1. Test Plan Facility and tester information

Test Plan

ERT Package Name: \*  Test Plan Date: \*  Open Expanded

Facility/Tester Permit/SCC Locations/Methods Regulations Process/APCD Methods cont. Audit/Calibrations Schedule Reviewers Attach.

**Facility Name: \***

**Address: \***

**City: \***

**State/Zip: \***

**County: \***

**Contact: \***

**Phone: \***

**Fax:**

**email: \***

**AFS Number:**

**Industry NAICS:**  [Search on the Web](#)

**FRS: \***  [Search on the Web](#) ?

**State ID:**

**Latitude:**

**Longitude:**

**Testing Company: \***

**Address: \***

**City: \***

**State/Zip: \***

**Contact: \***

**Phone: \***

**Fax:**

**email: \***

**Testing Company Project Number:**

Attach Field documentation of competence as an AETB and QI for stationary source testing.

Next Page

(\* required fields)

# 1. Test Plan

Permit and Source Classification Code (SCC)

Test Plan

ERT Package \*  Test Plan Date: \*  Open Expanded

Facility/Tester Permit/SCC Locations/Methods Regulations Process/APCD Methods cont. Audit/Calibrations Schedule Reviewers Attach.

Air Permit Number:

Permitted State Source ID/Name:

Permitted Maximum Process Rate:

Maximum Normal Operation Process Rate:

Target Process Rate for Testing:

Operational Hours Per Year:

Source Classification Code:

Select SCC from list

SCC/Desc.: \*

Target Parameter:  Process Rate:

Pollutant Unit of Measure:

Target Parameter Description (if needed):

Previous Page Next Page

(\* required fields)

# 1. Test Plan

## Source Classification Code (SCC)

Source Classification Code Information

The SCC you selected does not have default values for the Emission Factor. Please select from the pick lists or enter this information below.

Pollutant Unit:    
*Emission factor unit numerator; units associated with pollutant emitted (as in "LB" in "LB of NOx per tons of coal burned")*

Measure:    
*Emission factor unit denominator; units associated with material processed (as in "TONS" in "Lb of NOx per TONS of coal burned")*

Material:    
*Material processed (as in "COAL" in "Lb of NOx per tons of COAL burned")*

Action:    
*Action performed on the material (as in "BURNED" in "Lb of NOx per tons of coal BURNED")*

*NOTE: The Material and the Action become the Target Parameter (as in "Coal Burned")*

SCC | Units | Measure | Materials | Action

Level 1:

Level 2:

Level 3:

Level 4:

**Select Time Unit (will be the same for Process Rate and Compound Units)**

# 1. Test Plan Location, Methods and Unit of Measure used for test

Test Plan
Open Expanded

**ERT Package Name:** 
**Test Plan Date:**

Facility/Tester Permit/SCC Locations/Methods Regulations Process/APCD Methods cont. Audit/Calibrations Schedule Reviewers Attach.

**1. Please enter sampling location information. (all dimensions in inches)** Add Location Attach File

**(Required before test data entry)**

Location: (click to view/edit)	Inlet/Outl	Total Trave	Ports	Round Duct Diam	Duct Le	Duct Wid	Equivalent I	DownStream Dis	UpStream Distan	Emissions are	Up Stream Pt. Loc. (M1A)
Fluidized Bed SSI	Outlet	12	0	36				200	100	<input type="checkbox"/>	0

(Note: UpStreamDist = Distance upstream from the disturbance (Distance A - Fig. 1-1, RM1) ; DwnStreamDist = Distance downstream from the disturbance (Distance B - Fig 1-1, RM1))

**2a. Please provide the following information for each test parameter. (Required before test data entry)** Add Target Parameters

Location	Test Method	Target Parameter	Num Test Runs	Test Run Duration	Comments
Fluidized Bed SSI	Method 10	Carbon Monoxide	3	60	
Fluidized Bed SSI	Method 23	Total TEQ	3	240	
Fluidized Bed SSI	Method 26A	Hydrogen Chloride	3	84	
Fluidized Bed SSI	Method 26A	Filterable Particulate	3	84	
Fluidized Bed SSI	Method 29	Cadmium	3	120	
Fluidized Bed SSI	Method 29	Filterable Particulate	3	120	
Fluidized Bed SSI	Method 29	Mercury	3	120	
Fluidized Bed SSI	Method 29	Lead	3	120	
Fluidized Bed SSI	Method 3A CO2	Carbon Dioxide	3	60	
Fluidized Bed SSI	Method 3A O2	Oxygen	3	60	
Fluidized Bed SSI	Method 5/202	Total Particulate	3	60	
Fluidized Bed SSI	Method 5/202	Organic Condensable Particulate	3	60	

Record: 1 of 16 No Filter Search

**2b. Please select the Emissions Units of Measure for each location.** Add Emissions/Concentrations

Location	Method	Units of Measure	Corre	Corrected %	Process Rate, Parameter
Fluidized Bed SSI	Method 10	ppm		0	
Fluidized Bed SSI	Method 10	ppm corrected	O2	7	
Fluidized Bed SSI	Method 23	ppm/dscm		0	

Record: 1 of 14 No Filter Search

Previous Page Next Page

# 1. Test Plan Regulations and Limits

ERT Package Name: 
Test Plan Date: 
Open Expanded

Facility/Tester Permit/SCC Locations/Methods Regulations Process/APCD Methods cont. Audit/Calibrations Schedule Reviewers Attach.

**3. What is the specific purpose, Data Quality Objectives and Data Quality Indicators for the proposed testing?**

Part 60 (NSPS)       NSR/PSD  
 Part 61 (NESHAP)     Section 114  
 Part 63 (MACT)         State Rule  
 Part 65 (MACT)         Other (describe:)  
 RATA

**4. List all state and federal regulations that apply to the proposed testing:** Add Regulation

Part-SubPart	Non Part 60/63 Rule Description: (click to edit)	Compound:	Unit of Measure	Limit
	Part 62 Subpart LLL Federal Plan for Sewage Sl	Filterable Particulate	mg/dscm@7%O2	18
	Part 62 Subpart LLL Federal Plan for Sewage Sl	Hydrogen Chloride	ppm@7%O2	0.51
	Part 62 Subpart LLL Federal Plan for Sewage Sl	Carbon Monoxide	ppm@7%O2	0.51
	Part 62 Subpart LLL Federal Plan for Sewage Sl	Total TEQ	ng/dscm@7%O2	0.1
	Part 62 Subpart LLL Federal Plan for Sewage Sl	Mercury	mg/dscm@7%O2	0.037
	Part 62 Subpart LLL Federal Plan for Sewage Sl	Nitrogen oxides (NOx)	ppm@7%O2	150

**5. Will the test results be used for other regulatory purposes (e.g., emission inventories, permit applications, etc.) beyond that stated above? If yes, explain.**

**Regulation Limits**

Compound	Units of Measure
Cadmium	mg/dscm
Cadmium	mg/dscm@7%O2
Carbon Monoxide	ppm
Carbon Monoxide	ppm@7%O2
Filterable Particulate	mg/dscm
Filterable Particulate	mg/dscm@7%O2
Filterable Particulate	ppm
Filterable Particulate	ppm@7%O2
Hydrogen Chloride	ppm
Hydrogen Chloride	ppm@7%O2
Inorganic (Aqueous) Condensable Part.	mg/dscm
Inorganic (Aqueous) Condensable Part.	mg/dscm@7%O2
Lead	mg/dscm
Lead	mg/dscm@7%O2
Mercury	mg/dscm

Exit      Save and Exit

# 1. Test Plan Process Data and Air Pollution Control Device Parameters

Test Plan
Open Expanded

**ERT Package Name:** 
**Test Plan Date:**

Facility/Tester Permit/SCC Locations/Methods Regulations Process/APCD Methods cont. Audit/Calibrations Schedule Reviewers Attach.

**6a. Enter the process data to be documented during testing. (Required before test data entry)** Add Process

Process Parameter: (click to view/edit)	Process Rate	Pollutant Unit	Measure	Time Unit	Material	Action	Target Low	Target High
Dried Sludge Fed	Tons/hr	Lb	Tons	/hr	Dried Sludge	Fed	0	0
Dried Sludge Burned	Tons/hr	Lb	Tons	/hr	Dried Sludge	Burned	0	0

**6b. Enter the process lab data to be documented during testing.** Add Lab

Analysis Required: (click to view/edit)	Units	Comments
Moisture Content	%	
Solid Content	%	

**7a. Please give a brief description of the source (including control equipment) and attach source or process flow diagram:** Attach File

Complete description of source

**7b. Control Devices: (Required before test data entry)** Add Control Device

Location	Control Device: (click to view/edit)	Units	Target Value	Comments
Fluidized Bed SSI	AFTERBURNER	F	0	Minimum operating
Fluidized Bed SSI	Combustion chamber	F	0	Minimum Operating
Fluidized Bed SSI	WET SCRUBBER	DP	0	minimum pressure
Fluidized Bed SSI	WET SCRUBBER	g/min	0	Scrubber liquid flow

Column widths may be changed by user.

Previous Page Next Page

# 1. Test Plan Attachments

Test Plan

ERT Package Name:  Test Plan Date:  Open Expanded

Facility/Tester | Permit/SCC | Locations/Methods | Regulations | Process/APCD | Methods cont. | Audit/Calibrations | Schedule | Reviewers | Attach.

AttachDesc	
Source/Process Flow Diagram	📎(1)
Alternate Method Request and Approval (Item 8) (optional)	📎(0)
EPA Method 1Location Supporting Documentation (Item 9) (optional)	📎(1)
Cyclonic Flow Absence Supporting Documentation (Item 10)	📎(1)
Pre-Test Meter Boxes/DGMs Calibrations	📎(1)
Post-Test Meter Boxes/DGMs Calibrations	📎(1)
Nozzles Calibrations	📎(1)
Pitots Calibrations	📎(1)
Thermocouples Calibrations	📎(1)
Sampling Locations Dimensions and Point Locations	📎(1)
Run Field Data Sheets (raw data sheets for field sampling)	📎(2)
Moisture Recovery - See above sheets	📎(0)
📎 Lab Data (raw data sheets for field and laboratory analysis)	📎(3)
Chain-of-Custody - see M26A Lab attachment	📎(1)
Observer Comments	📎(0)
Documentation of competence as an AETB and QI for stationary source	📎(1)
Lab Reports, Remediation Certifications	📎(0)

**Attachments**

Attachments (Double-click to open)

- 📎 \_email1\_30507 AIR M26A Report Packet.pdf
- 📎 M5 Lab.pdf
- 📎 Method 308 Lab data.pdf

Buttons: Add..., Remove, Open, Save As..., Save All..., OK, Cancel

Record: 14 | 13 of 30 | No Filter | Search

- To add or view an attachment:
- double click on the "paper clip" symbol
  - select "add" to add a file
  - select "view" to view a file

To add more attachment items, enter the description of the attachment in the bottom row of the attachdesc column. Then add your attachment.

- Tips to reduce the PDF file size:
- Create PDF directly from application,
  - Attach individual components not compiled material
  - Use descriptive file names (i.e. M29-field-data\_11-11-11.pdf)
  - Attach compressed image files (JPG, GIF, PNG) or CGM
  - Scan paper documents at 200 dpi

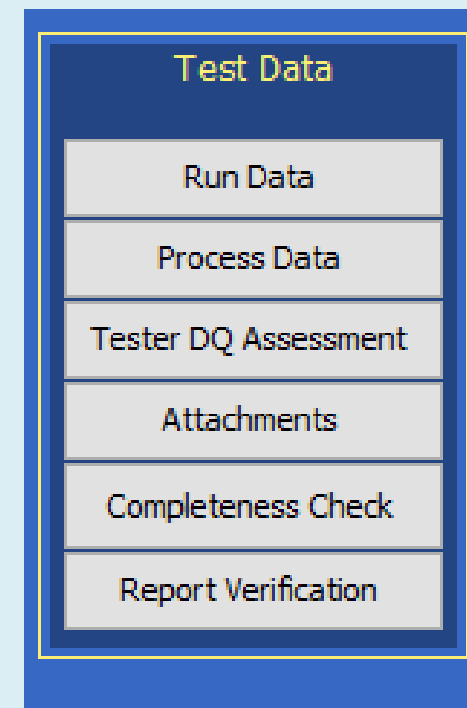
Note: Effective October 31, 2016 according to 60.8(f)(v) "Where test methods requires you record or report, the following shall be included: Record of preparation of standards, record of calibrations, raw data sheets for field sampling, raw data sheets for field and laboratory analysis, chain-of-custody documentation, and example calculations for reported

Previous Page

Finished

## 2. Test Data

- Run data – Isokinetics, manual, sorbent tubes and instrumental methods
- Process Data
- Tester DQ Assessment area for comments on testing
- Attachments
- Completeness check
- Report Verification





# ISOKINETIC CALCULATED RESULTS

Run Data Details

Facility:  Open Expanded

Permitted Source ID/Description:

Select Location - Method:  ▼

Select Run:  ▼

Method Setup | Header Data | Point Data | Lab Data | **Sampling/Stack Data Results** | Cyclone Cut Size | Emissions

Method:  RunNumber:  RunDate:

Sampling Train Parameters:		Stack Gas Parameters:			
NetRunTime (min):	<input type="text" value="60"/>	% H2O:	<input type="text" value="24.5043"/>	Vs (ft/s):	<input type="text" value="27.04"/>
NetTravPts:	<input type="text" value="24"/>	% H2Osat:	<input type="text" value="24.83"/>	Dstk (in):	<input type="text" value="81.25"/>
Dn (in):	<input type="text" value="0.32"/>	Mfd:	<input type="text" value="0.754957"/>	Dwdth (in):	<input type="text"/>
Cp:	<input type="text" value="0.84"/>	% CO2:	<input type="text" value="14.77"/>	Dlngth (in):	<input type="text"/>
Y:	<input type="text" value="0.916"/>	% O2:	<input type="text" value="5.45"/>	As (ft2):	<input type="text" value="36.006"/>
Pb (in Hg):	<input type="text" value="29.66"/>	% CO + N2:	<input type="text" value="79.78"/>	Qsd (DSCFM):	<input type="text" value="37,890.2"/>
DeltaH (in H2O):	<input type="text" value="1.35"/>	Fo:	<input type="text" value="1.05"/>	Qaw (ACFM):	<input type="text" value="58,416.1"/>
Vm (acf):	<input type="text" value="40.062"/>	Md:	<input type="text" value="30.58"/>	MMBtu/Hr:	<input type="text" value="181.88"/>
tm (F):	<input type="text" value="82.50"/>	Ms:	<input type="text" value="27.50"/>		
Vmstd (DSCF):	<input type="text" value="35.523"/>	Pg (in H2O):	<input type="text" value="-0.12"/>		
Vlc:	<input type="text" value="245"/>	Ps (in Hg):	<input type="text" value="29.65"/>		
Vwstd (WSCF):	<input type="text" value="11.53"/>	ts (F):	<input type="text" value="148.96"/>		
% I:	<input type="text" value="100.7"/>				

Note: Double click in fields to see the formulas

# VIEWING ALL RUNS

Location stack - Method 26A

				Average
Run Number	4	5	6	
Test Date	11/30/2017	11/30/2017	11/30/2017	
Run Start Time	4:45:00 PM	6:40:00 PM	8:10:00 PM	
Run Finish Time	5:48:00 PM	7:43:00 PM	9:13:00 PM	
Net Traversing Points	24	24	24	
Net Run Time, minutes	60	60	60	
Nozzle Diameter, inches	0.32	0.32	0.32	0.320
Pitot Tube Coefficient	0.84	0.84	0.84	0.840
Dry Gas Meter Calibration Factor	0.916	0.916	0.916	0.916
Barometric Pressure, inches of Mercury	29.66	29.66	29.66	29.660
Average Orifice Meter Differential, inches H <sub>2</sub> O	1.35	1.36	1.36	1.357
Dry Gas Meter Volume Sampled, cubic feet	40.062	39.106	39.465	39.544
Average Dry Gas Meter Temperature, °F	82.50	77.79	74.75	78.347
Dry Gas Meter Volume Sampled, dscf	35.523	34.981	35.502	35.335
Total Moisture Liquid collected, g	245	234	252	243.667
Volume of Water Vapor, standard cubic feet	11.53	11.02	11.86	11.470
Moisture Content of Stack Gas, %	24.5043	23.9560	25.0412	24.501
Moisture Saturation at Stack Gas Temperature, %	24.83	25.09	24.62	24.847
Dry Mole Fraction	0.754957	0.76044	0.7538	0.756
Carbon Dioxide, %	14.77	13.022	12.325	13.372
Oxygen, %	5.45	6.001	5.868	5.773
Carbon Monoxide & Nitrogen, %	79.78	80.977	81.807	80.855
Fuel Factor	1.05	1.14	1.22	
Dry Molecular Weight, lb/lb-Mole	30.58	30.32	30.21	30.370
Wet Molecular weight, lb/lb-Mole	27.50	27.37	27.21	27.360
Flue Gas Static Pressure, inches of H <sub>2</sub> O	-0.12	-0.12	-0.12	-0.120
Absolute Flue Gas Pressure, inches of Mercury	29.65	29.65	29.65	29.650
Average Stack Gas Temperature, °F	148.96	149.38	148.63	148.990
Average Velocity Head, inches of H <sub>2</sub> O	0.191998241855308 9	0.19178467492924 4	0.19145918185232 6	0.191
Average Stack Gas Velocity, feet/second	27.04	27.24	27.28	27.187
Stack Cross-Sectional Area, square feet	36.006	36.006	36.006	36.006
Dry Volumetric Flow Rate, dryscfm	37,890.2	38,421.2	38,188.7	38,166.700
Actual Wet Volumetric Flue Gas Flow Rate, acfm	58,416.1	58,848.2	58,934.6	58,732.967
Percent Isokinetic of Sampling Rate, %	100.7	97.8	99.9	99.467
Percent Excess Air, %	34.9	39.0	37.3	37.067
F-Factor, dscfm/MMBtu @ %O <sub>2</sub>	9240	9240	9240	9,240.000
Round Duct Diameter, inches	81.25	81.25	81.25	
Rectangular Duct Width, inches				
Rectangular Duct Length, inches				
Fw				
Fc	1830	1830	1830	1,830.000

# RATA RESULTS

PST NOx to PS2													
Facility Facility										RAStartDate 4/7/2020			
										RAEndDate 4/7/2020			
Run	Ref	CEMS	Ref.	CEMS	Ref.	CERMS	Ref.	CERMS	Differences				Ex. Run
	PPM	PPM	PPM@3%O2	PPM@3%O2	Lb/Hr	Lb/Hr	Lb/MMBTU	Lb/MMBTU	PPM	PPM@3%O2	Lb/Hr	Lb/MMBTU	
1	19.38	19.60	22.24	22.50	0.00		0.0270	0.0270	0.22	0.26		0.0000	<input type="checkbox"/>
2	19.28	19.50	22.27	22.53	0.00		0.0270	0.0270	0.22	0.27		0.0000	<input type="checkbox"/>
3	19.27	19.40	22.40	22.48	0.00		0.0272	0.0270	0.13	0.08		-0.0002	<input type="checkbox"/>
4	19.01	19.10	22.10	22.16	0.00		0.0268	0.0270	0.09	0.06		0.0002	<input type="checkbox"/>
5	19.38	19.50	22.53	22.62	0.00		0.0274	0.0280	0.12	0.09		0.0006	<input type="checkbox"/>
6	19.38	19.60	22.53	22.74	0.00		0.0274	0.0280	0.22	0.21		0.0006	<input type="checkbox"/>
7	19.17	19.20	22.28	22.27	0.00		0.0270	0.0270	0.03	0.00		0.0000	<input type="checkbox"/>
8	18.96	19.00	22.03	22.08	0.00		0.0268	0.0270	0.04	0.05		0.0002	<input type="checkbox"/>
9	19.02	19.00	22.11	22.08	0.00		0.0268	0.0270	-0.02	-0.03		0.0002	<input type="checkbox"/>
Sums									1.04	0.99		0.0016	
Avg's	19.21	19.32	22.28	22.39	0.00		0.0270	0.0272	0.12	0.11		0.0002	
Standard Deviation									0.09	0.11		0.0003	
Confidence Coefficient									0.07	0.08		0.0002	
Emissions Standard													
Relative Accuracy using the Reference Method ( < or = to 20% ) (average emissions during test are greater than 50 percent of the emission standard)									N/A	N/A	N/A	N/A	
									0.95	0.87		1.4930	
Relative Accuracy using the Standard ( < or = to 10% ) (average emissions during test are less than 50 percent of the emission standard)									N/A	N/A	N/A	N/A	

Note: All calculations performed are as specified in Section 12 of PS2 and use the US EPA rounding conventions.

# SAMPLE DATA CALCULATIONS FOR METHOD 30B

Run Data Details

Facility: Example data set

Permitted Source ID/Description: Unit ID 01B Wood-Fired Boiler

Select Location - Method: stack - Method 30B

Select Run: Method 30B - 1

Method Setup | Header Data | Point Data | Sample Data | Stack Data Results | Emission | QA/QC

Method:	RunNumber:	RunDate:
Method 30B	1	11/30/2017

	Sample A	Sample B
Trap ID:	OL426880	OL048069
Section 1 Hg Mass (m1 / ms), incl. plug	69.04 ng	115.20 ng
Section 1 Spike Value (Mspiked)	0.00 ng	40.00 ng
Spike Recovery (Crec)	ug/dscm	7.8821E-01 ug/dscm
Spike Recovery Mass	ng	4.5620E+01 ng
Recovery Percentage (R)	%	114.049 %
Section 2 Hg Mass (M2)	0.810 ng	0.320 ng
Section 2 Breakthrough (%B)	1.173 %	0.278 %
Initial sampling rate	1.0000E+00 l/min	9.9200E-01 l/min
Average sampling rate	9.9982E-01 l/min	9.9940E-01 l/min
Maximum deviation from sampling rate	1.6 %	2.8 %
Total Sample Volume (Vt)	5.7836E-02 M3	5.7878E-02 M3
Spl Vol deviation from field recovery run	3.7 %	3.6 %
Sample Mercury Mass Collected	6.9850E+01 ng	7.5520E+01 ng
Sample Mercury Concentration (Cd)	1.2077E+00 ug/dscm	1.3048E+00 ug/dscm
Sample Mercury Concentration (Cw)	9.3100E-01 ug/scm	1.0060E+00 ug/scm
Test Run Mercury Concentration	1.2560E+00 ug/dscm	
Test Run Mercury Concentration Wet	9.6800E-01 ug/scm	
Paired trap agreement relative deviation (RD)	3.8644 %	

Run Data Details

Facility: Example data set

Permitted Source ID/Description: Unit ID 01B Wood-Fired Boiler

Select Location - Method: stack - Method 30B

Select Run: Method 30B - 1

Method Setup | Header Data | Point Data | Sample Data | Stack Data Results | Emission | QA/QC

Method:	RunNumber:	RunDate:
Method 30B	1	11/30/2017

	Sample A	Sample B
NetRunTime:	50	60
NetTravPts:	12	12
Cp:	0.84	0.84
Y:	0.9879	0.9901
Pb:	29.66	29.66
DeltaH:	0.01	0.01
Vm:	2.118	2.118
tm:	76.3333333	76.9166667
Vmstd:	2.042	2.044
Vlc components:	11.07	11.02
Vwstd:	0.52	0.52

Stack Gas Parameters:	
% H2O:	25.23
% H2Osat:	22.89
Mfd:	0.7711
% CO2:	13.081
% O2:	5.593
% CO + N2:	81.326
Fo:	1.17
Md:	30.32
Ms:	27.50
Pg:	-0.12
Ps:	29.65
ts:	145.71
Vs:	
Dstk:	81.25
Dwdth:	
Dlngh:	
As:	36.006
Qsd:	41271.3
Qaw:	
MMBtu/Hr:	1.96E+02

Note: Double click in fields to see the formulas

# METHOD 30B DATA QUALITY ASSESSMENT

Run Data Details

Facility: Example data set Open Exp

Permitted Source ID/Description: Unit ID 01B | Wood-Fired Boiler

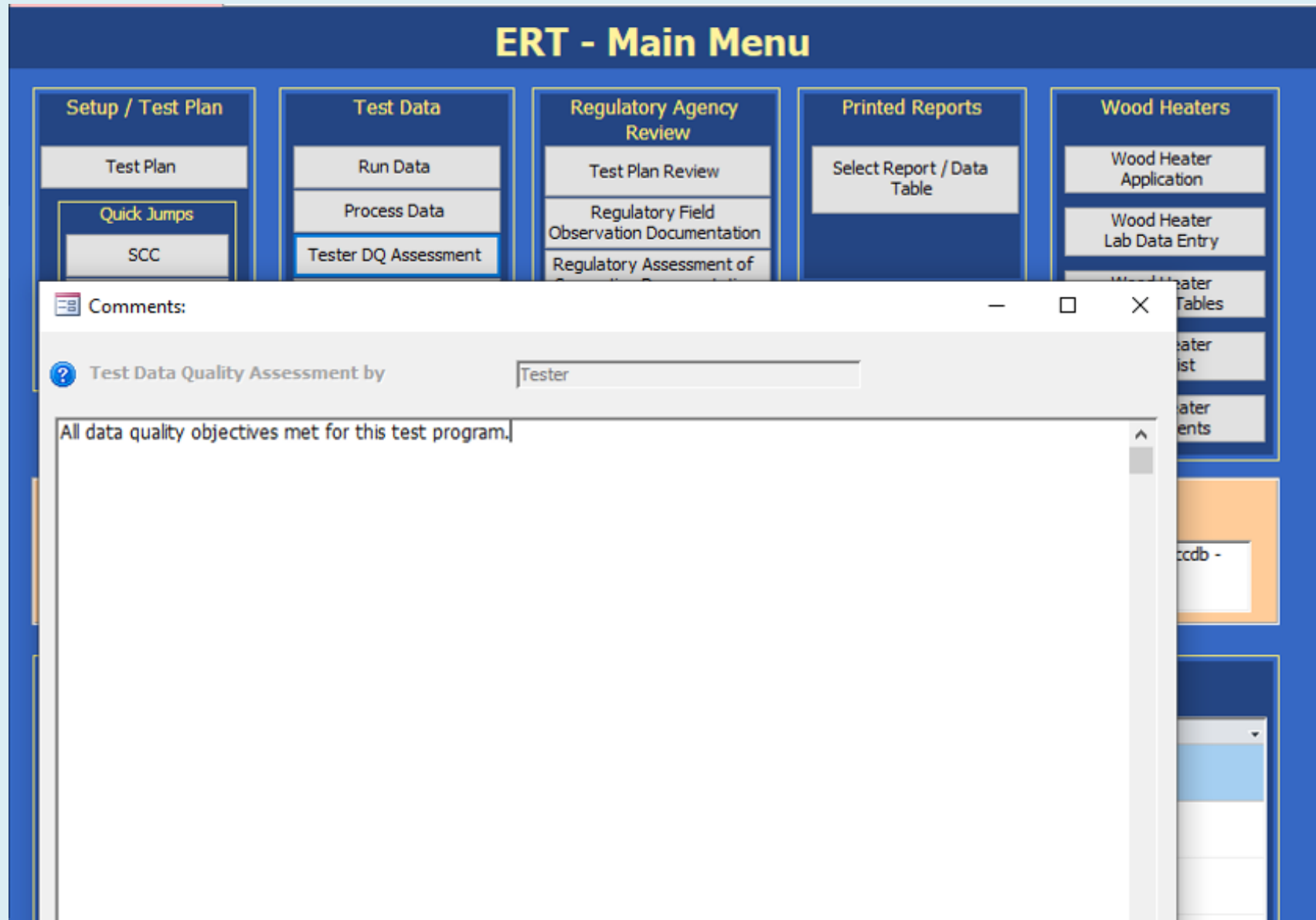
Select Location - Method: stack - Method 30B Add New Run Data Delete Run Data

Change Run Number Change Run Date

Method Setup | Header Data | Point Data | Sample Data | Stack Data Results | Emission | QA/QC

QA/QC Test or Specification	Acceptance Criteria	Demonstrated Performance
Pre-test leak check	$\leq 4\%$ of target sampling rate	The pre-test leak check for Sample A was 0% of the target (initial) sample rate therefore meeting the acceptance criteria of $\leq 4\%$ of target sampling rate. The pre-test leak check for Sample B was 0% of the target (initial) sample flow rate therefore meeting the acceptance criteria of $\leq 4\%$ of target sampling rate.
Post-test leak check	$\leq 4\%$ of average sampling rate	The post-test leak check for Sample A was 0 l/min which is 0.207% of the average sample flow rate of 1 l/min, and therefore met the acceptance criteria of $\leq 4\%$ of target sampling rate. The post-test leak check for Sample B was 0 l/min which is 0% of the average sample flow rate of 1 l/min, and therefore met the acceptance criteria of $\leq 4\%$ of target sampling rate.
Sample flow rate.	Adjust the sampling flow rate as necessary to maintain the initial sample flow rate.	The maximum flow rate variation for Sample A was 1.6% of the initial sample flow rate of 1 l/min. The maximum flow rate variation for Sample B was 2.8% of the initial sample flow rate of 0.992 l/min.
Test run total sample volume.	Within $\pm 20\%$ of total volume sampled during field recovery test.	The total volume sampled for Sample A was 0.06 M3 and for Sample B was 0.06 M3 verses the average sample volume of 0.06 M3 for the field recovery test spiked samples. The maximum deviation of the total volume sampled was 3.7% of the total volume sampled during the field recovery test. Both of the samples met the $\pm 20\%$ acceptance criteria.
Sorbent trap section 2 breakthrough	$\leq 10\%$ of section 1 Hg mass for Hg concentrations $> 1 \mu\text{g/dscm}$ ; $\leq 20\%$ of section 1 Hg massD or $\leq 0.2 \mu\text{g/dscm}$ absolute difference for Hg	The average Hg concentration was $> 1 \mu\text{g/dscm}$ . The Hg in section 2 was $0.81 \mu\text{g}$ for Sample A and $0.32 \mu\text{g}$ for Sample B for breakthroughs of 1.173% for Sample A and 0.278% for Sample B, thus meeting the

# TESTER DQ ASSESSMENT



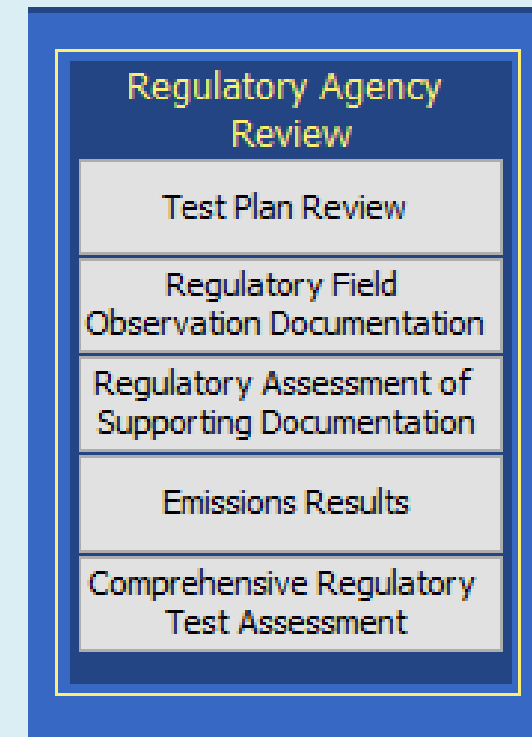
The screenshot displays the "ERT - Main Menu" interface. The menu is organized into five main columns:

- Setup / Test Plan**: Test Plan, Quick Jumps (SCC)
- Test Data**: Run Data, Process Data, Tester DQ Assessment
- Regulatory Agency Review**: Test Plan Review, Regulatory Field Observation Documentation, Regulatory Assessment of
- Printed Reports**: Select Report / Data Table
- Wood Heaters**: Wood Heater Application, Wood Heater Lab Data Entry, Wood Heater Tables, Water list, Water ents

A "Comments:" window is open in the foreground, titled "Test Data Quality Assessment by" with the user "Tester" selected. The comment text reads: "All data quality objectives met for this test program."

## 3. Regulatory Agency Review

- Test plan review
- Regulatory Field Observation Documentation
- Regulatory Assessment of Supporting Documentation
- Emission Results
- Comprehensive Regulatory Test Assessment (comments from regulator)



# TEST REPORT REVIEW FEATURE – EMISSION RESULTS

Test Report Review

Facility:

Permitted Source ID/Description:

Select Compounds to view:

Average Emissions

Applicable State and Federal Regulations for this Test Report:

Regulation	Compound	Limit	Unit
Major Source Boilers	Carbon Monoxide	3500	ppm@3%O2
Major Source Boilers	Hydrogen Chloride	0.022	lb/million BTU using O2
Major Source Boilers	Mercury	0.0000057	lb/million BTU using O2
Major Source Boilers	Filterable Particulate	0.44	lb/million BTU using O2

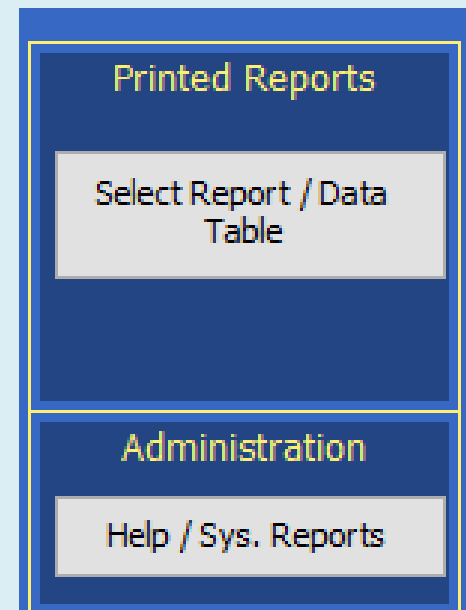
Compound Emissions:

Location	Compound	Unit of Measure	Run1	Run2	Run3	Run Average	RegLimit
stack - Method 10	Carbon Monoxide	ppm@3%O2	2.21E+03	1.95E+03	2.14E+03	2.10E+03	3500
stack - Method 10	Carbon Monoxide	ppm	1.91E+03	1.62E+03	1.80E+03	1.78E+03	
stack - Method 26A	Filterable Particulate	mg/dscm	1.32E+02	1.18E+02	1.07E+02	1.19E+02	
stack - Method 26A	Filterable Particulate	lb/mmBtuO2	1.03E-01	9.55E-02	8.54E-02	9.46E-02	0.44
stack - Method 26A	Filterable Particulate	lb/hr	1.87E+01	1.70E+01	1.52E+01	1.70E+01	
stack - Method 26A	Hydrogen Chloride	mg/dscm	1.08E+03	1.08E-01	1.10E-01	3.60E+02	
stack - Method 26A	Hydrogen Chloride	lb/mmBtuO2	8.46E-01	8.74E-05	8.86E-05	2.82E-01	0.022
stack - Method 26A	Hydrogen Chloride	lb/hr	1.54E+02	1.55E-02	1.58E-02	5.13E+01	
stack - Method 30B	Mercury	ug/dscm	1.26E+00	1.09E+00	1.03E+00	1.13E+00	
stack - Method 30B	Mercury	lb/mmBtuO2	9.89E-07	8.46E-07	8.10E-07	8.82E-07	0.0000057
stack - Method 30B	Mercury	lb/hr	1.94E-04	1.75E-04	1.83E-04	1.84E-04	



## 4. Printed Reports and Help

- Can print reports or tables from the dropdown list as pdfs, word documents or excel tables
- Help contains :
  - Version history
  - Field Result Calculations
  - Emission/Concentration Calculations
  - User Guide
  - Methods and target parameters
  - Data Dictionary



# Select Report / Data Table

## ERT - Main Menu

**Setup / Test Plan**

Test Plan

**Quick Jumps**

SCC

Process Info

Locations/Methods

**Test Data**

Run Data

Process Data

Tester DQ Assessment

Attachments

Completeness Check

Report Verification

**Regulatory Agency Review**

Test Plan Review

Regulatory Field

**Printed Reports**

Select Report / Data Table

**Wood Heaters**

Wood Heater Application

Wood Heater

Select Project Data Set    Create New Project Data Set

Current Project Data Set:    C:\Users\tlowe\OneDrive - Environmental Protection Agency\Documents\ERT Data Created: 12/8/2017

**Project Submittal History:**

Action	SubmitDate	SubmittedTo	SubmittedFr	Comment	Pkg Name
*					

Create ERT Submission Package File

View/Export Reports/Tables (press Ctrl-P to print reports) ✕

**Select the Report/Table to View or Export**

View Report/Table on Screen

Export Report/Table to Microsoft Word

Export Report/Table to Microsoft Excel

Create PDF of Report/Table

# Printed Options

## ERT - Main Menu

**Setup / Test Plan**

Test Plan

**Quick Jumps**

SCC

Process Info

Locations/Methods

**Test Data**

Run Data

Process Data

Tester DQ Assessment

Attachments

Completeness Check

Report Verification

**Regulatory Agency Review**

Test Plan Review

Regulatory Field

**Printed Reports**

Select Report / Data Table

**Wood Heaters**

Wood Heater Application

Wood Heater

View/Export Reports/Tables (press Ctrl-P to print reports) ✕

**Select the Report/Table to View or Export**

- Test Plan
- Test Plan Review
- Full Test Report (excludes RATA's and 201A ISO's)
- Full Test Report (excludes RATA's)
- Sampling Location Table
- Test Parameters Table
- Sampling/Stack Data Results Summary Table
- Method 201A Point to Point Isokinetic Calcs
- Sampling/Stack Data Results Detail Table
- Emissions Summary Table
- Emissions Summary Table with Limits
- Process Run Data Table
- APCD Run Data Table
- Process Lab Run Data Table
- Attachments
- Completeness Questions

Select Project Data Set
Create New Project Data Set

Current Project Data Set:

C:\Users\tlowe\OneDrive - Environmenta...  
Date Created: 12/8/2017

**Project Submittal History:**

	Action	SubmitDate	SubmittedTo	SubmittedF
*	▼			

# Create an ERT Submission package

## ERT - Main Menu

**Setup / Test Plan**

Test Plan

**Quick Jumps**

SCC

Process Info

Locations/Methods

**Test Data**

Run Data

Process Data

Tester DQ Assessment

Attachments

Completeness Check

Report Verification

**Regulatory Agency Review**

Test Plan Review

Regulatory Field Observation Documentation

Regulatory Assessment of Supporting Documentation

Emissions Results

Comprehensive Regulatory Test Assessment

**Printed Reports**

Select Report / Data Table

**Administration**

Help / Sys. Reports

**Wood Heaters**

Wood Heater Application

Wood Heater Lab Data Entry

Wood Heater Summary Tables

Wood Heater Checklist

Wood Heater Attachments

Select Project Data Set
Create New Project Data Set
Save Project Data Set As
Compact Project Data Set

Current Project Data Set: C:\Users\flowe\Desktop\ProjectData\..acddb - Date Created: 1/22/2021

**Project Submittal History:** Create ERT Submission Package File

*	Action	SubmitDate	SubmittedTo	SubmittedFr	Comment	Pkg Name

Record: 14 of 1 of 1 No Filter Search

# Create ERT Submission Package File zip

Create ERT Submission File
- □ ×

Complete the steps below to create an ERT Submission File

**1. Set/Review Test and Process Run Associations**

**2. Enter Project Data Set Submittal Data**

**3. Create ERT Submission**

Optional Steps

**4a. Go to the CDX Website**

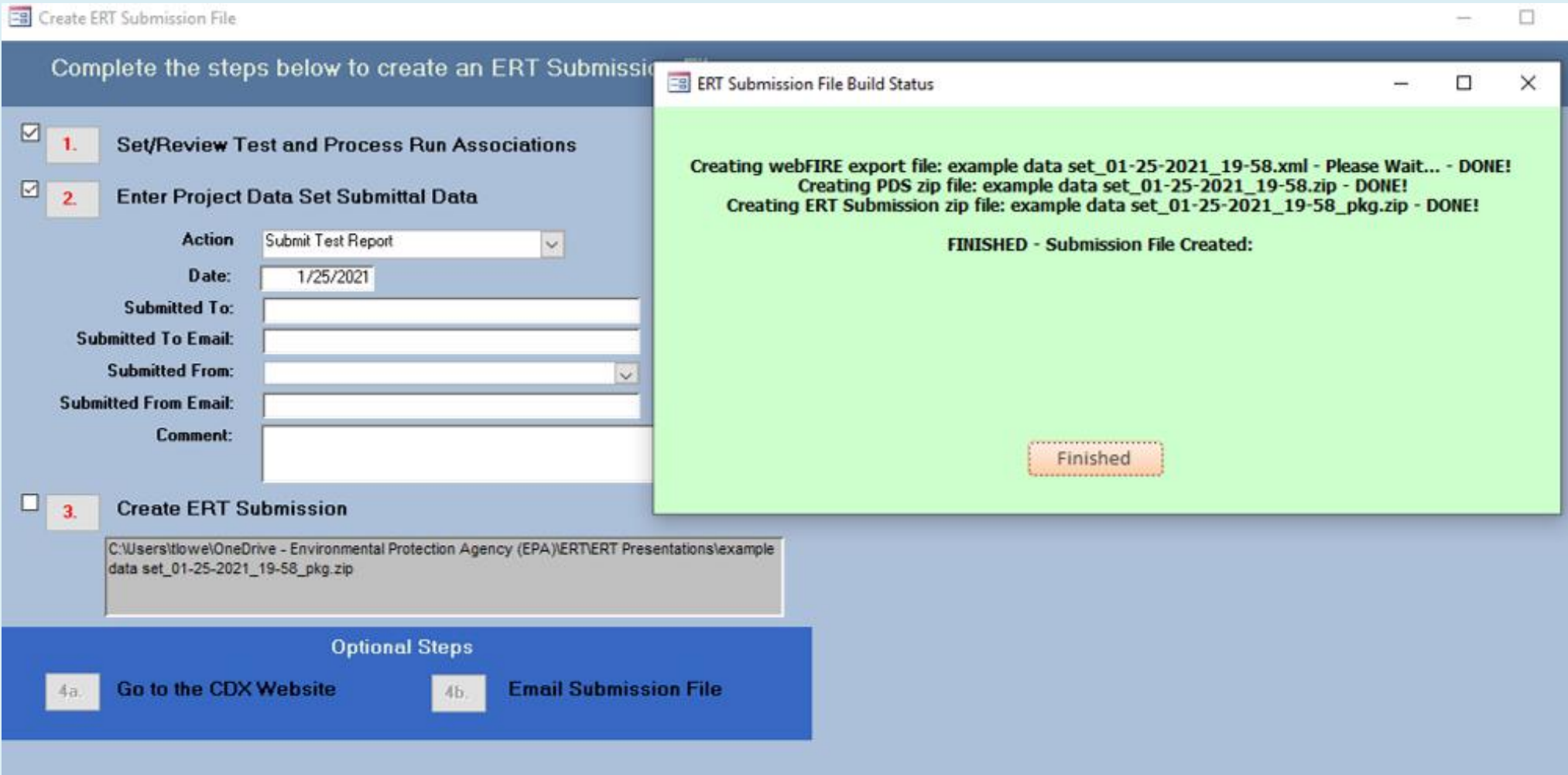
**4b. Email Submiss**

WebFire Emission Factors Export
- □ ×

Associate Data Runs with Process Runs for Emission Factor Calculations:

Location	Method	RunNumbe	Proces	SCC
stack	Method 10	4	4	10200902
stack	Method 10	5	5	10200902
stack	Method 10	6	6	10200902
stack	Method 26A	4	4	10200902
stack	Method 26A	5	5	10200902
stack	Method 26A	6	6	10200902
stack	Method 30B	1	1	10200902
stack	Method 30B	2	2	10200902
stack	Method 30B	3	3	10200902
*				

# Create ERT Submission Package File zip (continued)



The screenshot shows the 'Create ERT Submission File' web application. The main interface has a dark blue header with the text 'Complete the steps below to create an ERT Submission'. Below this, there are three numbered steps:

- 1. Set/Review Test and Process Run Associations**
- 2. Enter Project Data Set Submittal Data**
- 3. Create ERT Submission**

Step 2 is active and contains the following fields:

- Action:** Submit Test Report (dropdown menu)
- Date:** 1/25/2021 (text input)
- Submitted To:** (text input)
- Submitted To Email:** (text input)
- Submitted From:** (text input)
- Submitted From Email:** (text input)
- Comment:** (text area)

Step 3 is currently disabled. Below the steps, a file path is displayed: C:\Users\tlowe\OneDrive - Environmental Protection Agency (EPA)\ERT\ERT Presentations\example data set\_01-25-2021\_19-58\_pkg.zip

At the bottom, there is a blue bar labeled 'Optional Steps' with two options:

- 4a. Go to the CDX Website**
- 4b. Email Submission File**

An overlay window titled 'ERT Submission File Build Status' is open, showing a green background with the following text:

```
Creating webFIRE export file: example data set_01-25-2021_19-58.xml - Please Wait... - DONE!  
Creating PDS zip file: example data set_01-25-2021_19-58.zip - DONE!  
Creating ERT Submission zip file: example data set_01-25-2021_19-58_pkg.zip - DONE!  
  
FINISHED - Submission File Created:
```

A 'Finished' button is visible at the bottom of the status window.

## 5. Wood Heater Module

- The ERT has been enhanced to accommodate wood stove, hydronic heater and forced-air furnace electronic reporting.
- The module consists of the application, a section for the lab data and attachments, and a certification review checklist.
- The module is designed to be utilized for most wood stoves, hydronic heaters and forced-air furnace applications for a certificate of compliance.

# CEDRI

## Compliance and Emissions Data Reporting Interface

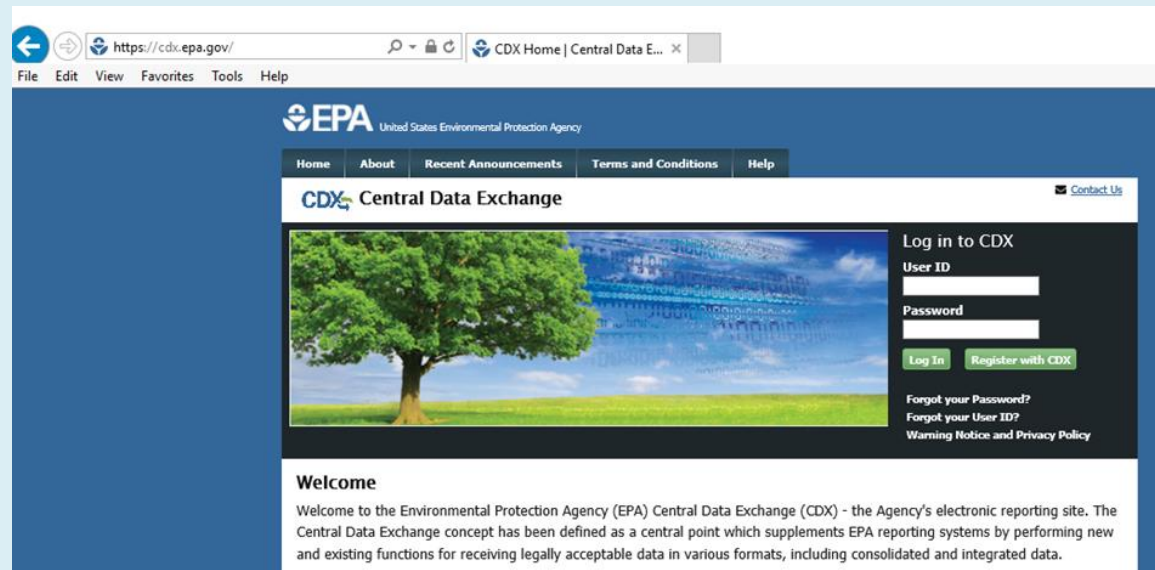


# What is CEDRI?

- Compliance and Emissions Data Reporting Interface (CEDRI) is a system where affected sources can electronically submit performance test reports, notification reports, and periodic reports to EPA based on EPA regulations codified in 40 CFR Parts 60, 62, and 63.
- CEDRI also collects 40 CFR Part 49, 70, and 71 Title V reports.

# How do I Access CEDRI?

- Central Data Exchange (CDX) is where CEDRI is located. The CDX Web is the application used by EPA programs and various stakeholders to manage environmental data transmitted to EPA in order to meet EPA's electronic reporting requirements.
- CDX log in page: <https://cdx.epa.gov/>. Once signed in, click on your role (e.g., EPA Regional Reviewer or State Reviewer) found in the green Services area.



# CEDRI Roles

- Reporting Facilities
  - Preparer
  - Certifier/Delegated Certifier
- EPA Region/State/Local/Tribal Agencies
  - State Reviewer
  - EPA Regional Reviewer
- EPA Program Office Personal
  - EPA Rule Lead
  - EPA Reviewer

# Industry Roles

- **Preparer** - The person responsible for the preparation of reports for signature
  - Contractors can be preparers and assemble submission packages
  - Preparer can not sign and submit a submission package
- **Certifier** – The duly authorized representative of the source/facility
  - The "owner" or "operator" of the facility
  - Authorized to modify the package a Preparer has assembled, and sign and submit the package to CDX
  - Contractors can not be Certifiers
- **Delegated Certifier** – A person granted authority by a registered Certifier to sign and submit packages on behalf of the Certifier
  - Authorized to modify the package a Preparer has assembled, and sign and submit the package to CDX
  - Contractors can not be Delegated Certifiers

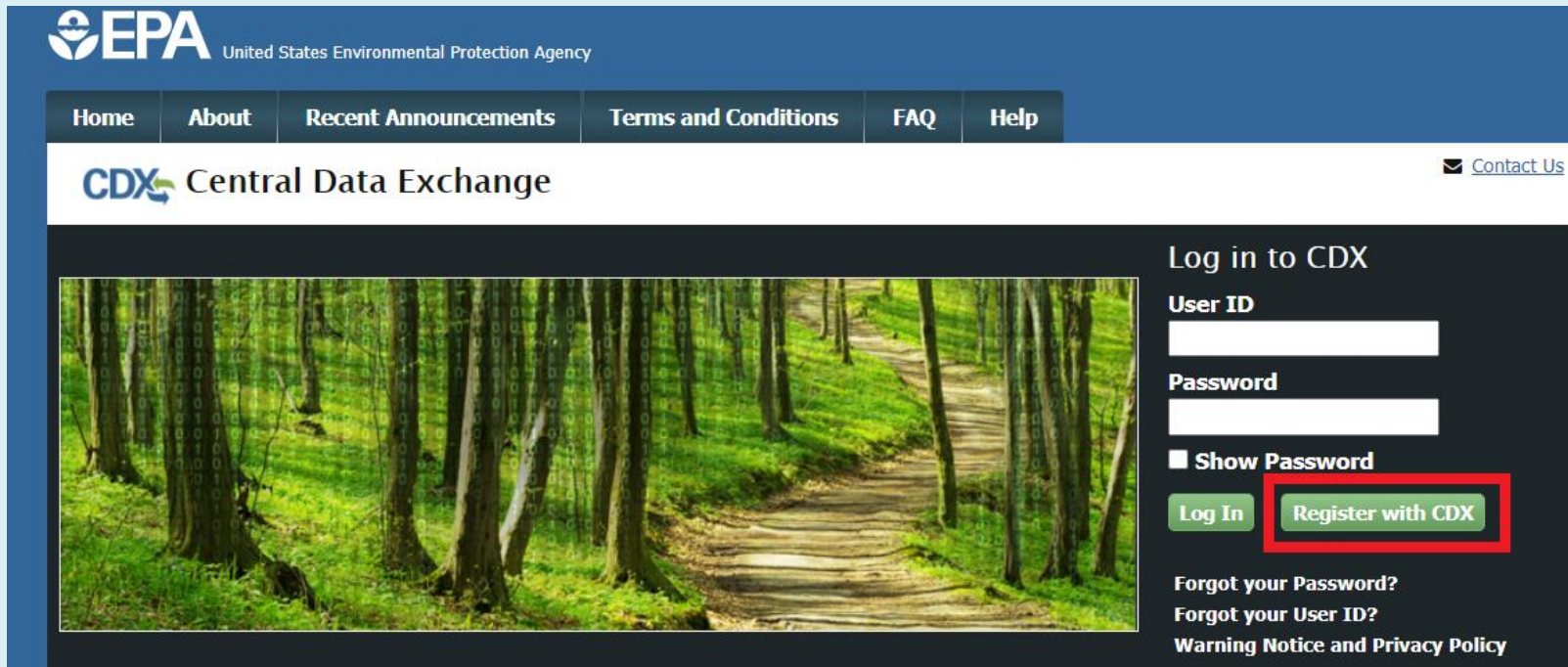
# Reviewer Roles

- State Reviewer – Regulatory officials who serve local, state and/or tribal areas
  - Authorized to review all submissions that are applicable to the states and/or territories for which they are registered
- EPA Regional Reviewer – EPA regulatory officials who service EPA regional areas and need access to CEDRI submissions
  - Authorized to view all submissions to CEDRI that are applicable to the Region for which they are registered

# How do I Register with CDX/CEDRI?

## Industry Roles

- Register through the CDX: <https://cdx.epa.gov/>



The screenshot shows the EPA Central Data Exchange (CDX) website. At the top left is the EPA logo and the text "United States Environmental Protection Agency". Below this is a navigation menu with links for "Home", "About", "Recent Announcements", "Terms and Conditions", "FAQ", and "Help". To the right of the menu is a "Contact Us" link with an envelope icon. The main header area features the "CDX Central Data Exchange" logo. On the left side of the main content area is a large photograph of a dirt path winding through a lush green forest. On the right side, there is a "Log in to CDX" section. It includes input fields for "User ID" and "Password", a "Show Password" checkbox, and two buttons: "Log In" and "Register with CDX". The "Register with CDX" button is highlighted with a red rectangular border. Below the login section are links for "Forgot your Password?", "Forgot your User ID?", and "Warning Notice and Privacy Policy".

# How do I Register with CDX/CEDRI?

## Industry Roles

- Register with CDX →  
Select program service →  
Select Role → Add  
Facilities
- Fill out information then  
hit submit
- The Certifier role requires  
identity proofing and a  
signed Electronic Signature  
Agreement (ESA) prior to  
activating the Certifier role  
in EPA's Central Data  
Exchange (CDX)

CDX Core CDX Registration [Contact Us](#)

1. Program Service ✓ 2. Role Access ✓ 3. User and Organization 4. Confirmation

Registration Information	
Program Service	Compliance and Emissions Data Reporting Interface
Role	Preparer

Please fill out all required fields marked with an asterisk(\*)

Part 1: User Information

User ID \*

Title \*

First Name \*

Middle Initial

Last Name \*

Suffix

Password \*

# How do I Register with CDX/CEDRI?

## Reviewer Roles

- Register by sending an email to: [CEDRI@epa.gov](mailto:CEDRI@epa.gov)
- Include following information –
  - Role Requesting
  - EPA Region or State
  - First and Last Name
  - Organization Name
  - Organization Address
  - Email Address
  - Phone Number



# Types of Reports Submitted in CEDRI

## Performance Test Reports

The Electronic Reporting Tool (ERT), built in Microsoft Access, is used to generate files containing emissions source test data. Facilities upload these files to CDX using CEDRI.

## Notification Reports

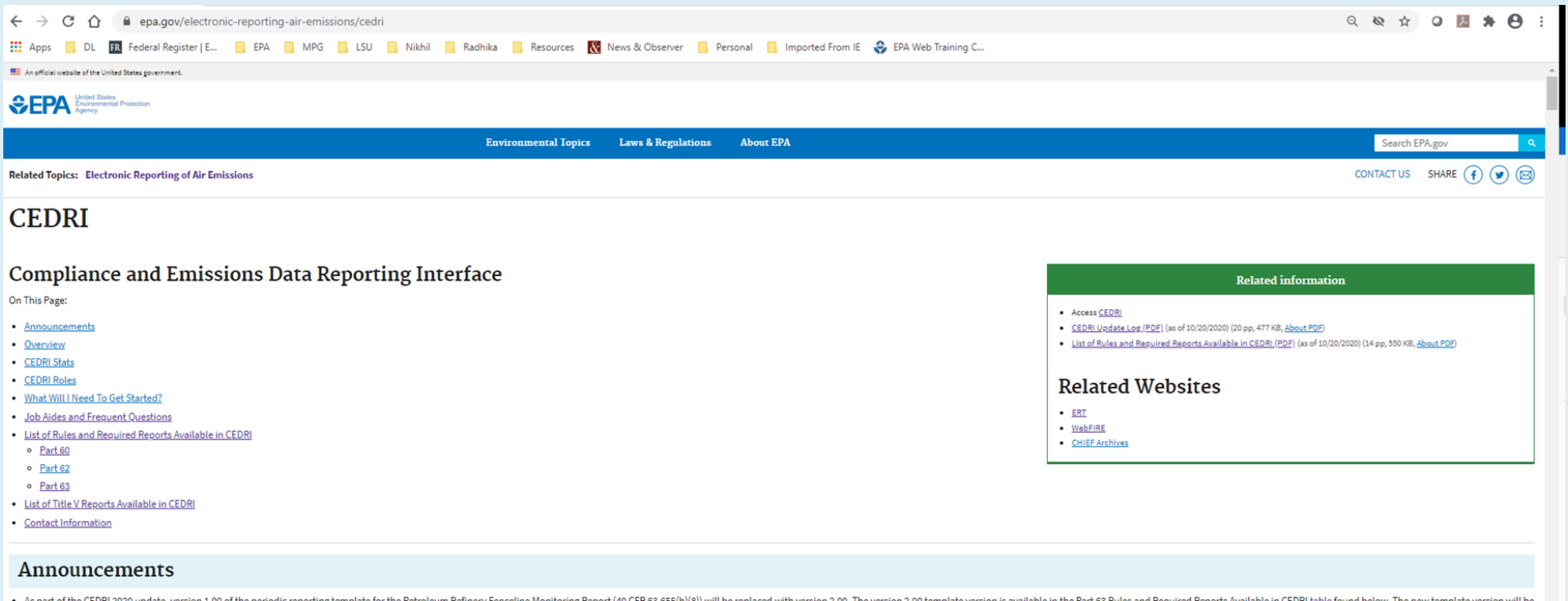
A Notification Report or Notification of Compliance Status (NOCS) are reports typically submitted by a regulated facility that notifies the designated authority that the facility has achieved compliance with an applicable regulation. (Note: In CEDRI most Notification Reports will be uploaded in PDF form, but several rules have combined the NOCS with the Periodic Report using a spreadsheet template format.)

## Periodic Reports

Reports submitted by the facility that may demonstrate initial compliance or that demonstrate the facility has maintained continuous compliance with an applicable regulation over the reporting period (e.g., 6 months). These reports will be identified by the report names found in each specific rule; examples include: Compliance Report, Summary Report, Annual Report, and Excess Emissions Report. Reporting options include:

- **Spreadsheet template upload** - Users can fill out an Excel template that includes all of the data elements for a given periodic report (single facility or for multiple facilities).
- **XML Schema** - Users can use the schema to prepare an XML file to create a periodic report form.

# CEDRI Website



The screenshot shows the EPA website for CEDRI. The browser address bar is [epa.gov/electronic-reporting-air-emissions/cedri](https://epa.gov/electronic-reporting-air-emissions/cedri). The page features a blue navigation bar with links for Environmental Topics, Laws & Regulations, and About EPA. Below the navigation bar, there is a search bar and social media icons. The main content area is titled "CEDRI" and "Compliance and Emissions Data Reporting Interface". It includes a list of links for "On This Page" such as Announcements, Overview, CEDRI State, CEDRI Roles, and What Will I Need To Get Started?. There are also sections for "Related information" and "Related Websites".

**On This Page:**

- [Announcements](#)
- [Overview](#)
- [CEDRI State](#)
- [CEDRI Roles](#)
- [What Will I Need To Get Started?](#)
- [Job Aides and Frequent Questions](#)
- [List of Rules and Required Reports Available in CEDRI](#)
  - [Part 60](#)
  - [Part 62](#)
  - [Part 63](#)
- [List of Title V Reports Available in CEDRI](#)
- [Contact Information](#)

**Related information**

- [Access CEDRI](#)
- [CEDRI Update Log \(PDF\)](#) (as of 10/20/2020) (20 pp, 477 KB, [About PDF](#))
- [List of Rules and Required Reports Available in CEDRI \(PDF\)](#) (as of 10/20/2020) (14 pp, 550 KB, [About PDF](#))

**Related Websites**

- [ERT](#)
- [WebFIRE](#)
- [CHIEF Archives](#)

**Announcements**

- As part of the CEDRI 2020 update, version 1.00 of the periodic reporting template for the Petroleum Refinery Fenceline Monitoring Report (40 CFR 63.655(k)(8)) will be replaced with version 2.00. The version 2.00 template version is available in the Part 63 Rules and Required Reports Available in CEDRI table found below. The new template version will be

<https://www.epa.gov/electronic-reporting-air-emissions/cedri>

# CEDRI Website

- Recent announcements
- Update log
- Submission statistics
- List of rules and reports available in CEDRI
- Job aides and FAQ

## List of Rules and Required Reports Available in CEDRI

Below are three tables listing the Part 60, 62, and 63 rules that require electronic reporting and identifies the reports required to be submitted electronically in each rule. Each table provides the following elements: Part, Subpart, Rule Name, Initial Availability Date, Last Update Date, Reports Required to be submitted in CEDRI, Available Templates to Use within CEDRI Form, Available XML Schema, and Rule webpage.

Note: Refer to Appendix B of the [User's Guide](#) for definitions of data elements contained in the Excel templates. The templates provided below are for reference use only and must be completed and uploaded into CEDRI for the applicable part/subpart.

### Part 60 Standards of Performance for New Stationary Sources

Subpart	Rule Name	Initial Availability Date	Last Update Date (CEDRI Update Log)	Reports Required to be Submitted in CEDRI	Available Templates to Use Within CEDRI Form	Available XML Schema	Rule Webpage
BBa	Kraft Pulp Mill for which Construction, Reconstruction, or Modification Commenced after 5/23/2013	9/9/2016	None	60.288a(b) Results of the Performance Test	None	None	<a href="#">Kraft Pulp Mills: New Source Performance Standards (NSPS) - 40 CFR 60, Subparts BB &amp; BBa</a>
		9/9/2016	None	60.288a(c) CEMS Performance Evaluation Test	None	None	

## Job Aides and Frequent Questions

EPA has prepared a comprehensive set of Job Aides (replacing the CEDRI Users Guide) to help Industry users (Preparer, Certifier, or Delegated Certifier roles) and Reviewers (State Reviewers, EPA Regional Reviewers and EPA Rule Lead roles) with navigation and other available functions in CEDRI. These Job Aides can also be accessed within the CEDRI application in various locations. Users may also use the [XML Reporting Instructions \(PDF\)](#) (74 pp, 1 MB) for details on how to create XML documents to automatically fill out data for a new Compliance Report form available for applicable subparts.

Here is the most recent [FAQ Document \(February 19, 2016\)](#) (5 pp, 28 K). We are continually adding new FAQs, so check back.

### Job Aides

**Industry Roles:** Preparer, Certifier, Delegated Certifier      **Reviewer Roles:** State Reviewer, EPA Regional Reviewer EPA Rule Lead

Show 10 entries

Search:

Area in CEDRI	Job Aide Description	Industry or Reviewer Roles
CEDRI History	<a href="#">CEDRI History</a> (PDF)(June 5, 2020)(3 pp, Version 1.01, 1,034 KB)	Industry, Reviewer
CEDRI History	<a href="#">CEDRI Search</a> (PDF)(December 18, 2020)(5 pp, Version 1.1, 577 KB)	Industry, Reviewer
CEDRI History	<a href="#">CEDRI Report Details</a> (PDF)(September 24, 2020)(9 pp, Version 1.04, 1,223 KB)	Industry, Reviewer
CEDRI History	<a href="#">State Reviewer and EPA Regional Reviewer Job Aide</a> (PDF)(December 28, 2020)(8 pp, Version 1.1, 1,002 KB)	Reviewer
My Reports	<a href="#">Create Reports</a> (PDF)(March 20, 2020)(18 pp, Version 1.1, 1,652 KB)	Industry

# Highlights of Industry Pages

- My CEDRI Dashboard page
- My Reports Process
- CEDRI History/ New Search capabilities
  - Resubmit / Withdraw Reports
- Report Details

# MyCEDRI Dashboard

EPA CEDRI (Compliance and Emissions Data Reporting Interface)
 Logged in as Casey Bray - Certifier CEDRI Helpdesk Support

MyCEDRI My Reports CEDRI History Manage Users

[CBI Disclaimer](#) [Return to CDX](#) [Logout](#)

What would you like to do?

**Create a Report**

Create a new report.

**Complete Reports Under Development**

View and edit reports in progress.

**View Submitted Reports**

View, Revise, or Withdraw previously submitted reports.

**Manage Facilities**

Add, edit, or delete your facilities.

**My Profile** [Manage My Profile](#)

---

<small>Name</small> <b>Casey Bray</b>	<small>Role</small> <b>Certifier</b>
<small>CDX User Name</small> <b>BRAY.CASEY</b>	<small>Organization</small> <b>US EPA</b>
<small>Email</small> <b>bray.casey@epa.gov</b> <a href="#">Edit Email</a>	

**My Regulations**

---

Feature Coming Soon

**My Notifications**

**0** Reports Pending Signature [View Reports](#)

**6** Reports Under Development [View Reports](#)

**My Resources**

---

- [CEDRI Help](#) >
- [CEDRI Homepage](#) >
- [CEDRI Change Log](#) >
- [List of Rules](#) >
- [FAQ Document](#) >

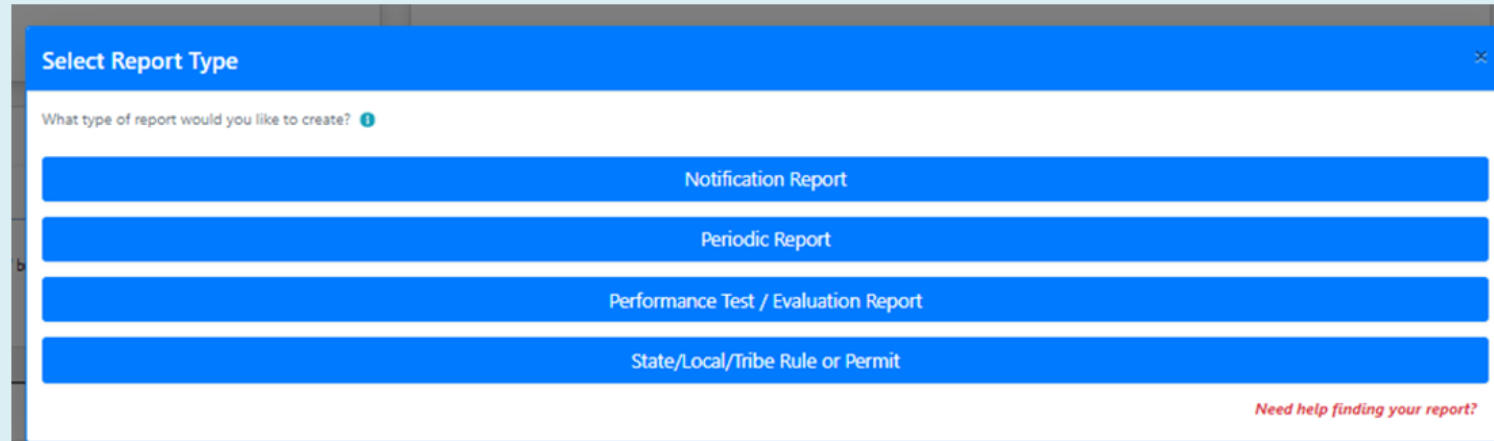
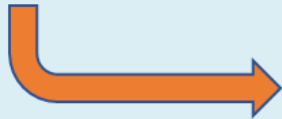
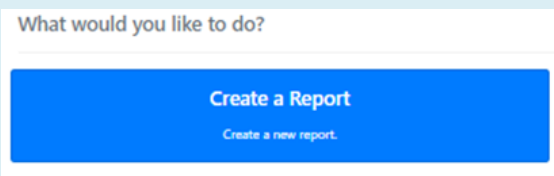
**My Facilities**

---

Waiting for cache...



# My Reports Process – Create a Report



- Create a Report ---> Select Report Type
- Step by step process, differs between ERT (performance test/evaluation reports) versus non-ERT reports
- Need help? -- Help find report with examples and list of reports

# My Reports Process – non ERT Reports

Step 1 Step 2 Step 3 Step 4  
Select Report Type Select Your Report Upload Documents Select Certifiers

< Return to Select Report Type
Save and Return to My Reports
Next: Upload Documents >

### Step 2: Select Your Report

Enter search criteria below to locate the reports you intend to submit. Use any combination of the search criteria you wish to narrow down the search. Click 'Search' to generate a list of matching reports, or 'Reset Search' to clear search criteria and start over. [Read More...](#)

Search for Report(s) to Create Need help finding your report?

Search Criteria

Sectors <input type="text" value="Select options"/>	Source Categories <input type="text" value="Select options"/>	Report Type <div style="border: 1px solid #ccc; padding: 2px;"> <span style="background-color: #ccc; padding: 2px;">× Notification and Periodic Report ×</span>  <span style="background-color: #ccc; padding: 2px;">× Periodic Report</span> </div>
Parts <input type="text" value="Select options"/>	Subparts <input type="text" value="Select options"/>	Report Names <input type="text" value="Select options"/>

41 Results (10 Required) !

Reset Search
Search for Reports

Search Results

Select the report(s) you want to create.

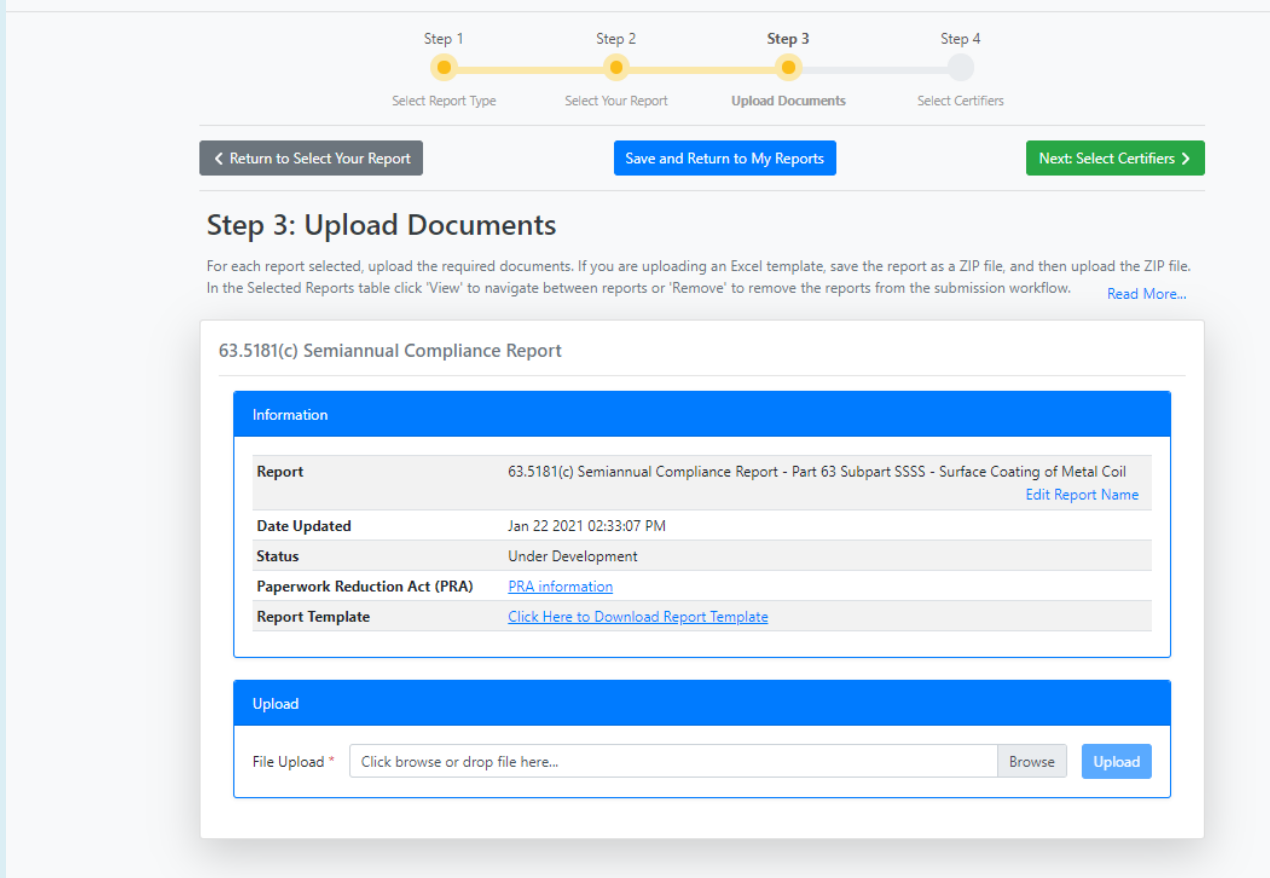
Sector	Source Category	Report Type	Part	Subpart	Available Reports	Action
Consumer and Commercial Products Manufacturing	Plastic and Metal Parts Manufacturing	Periodic Report	Part 63 - National Emission Standards for Hazardous Air Pollutants for Source Categories	Subpart SSSS - Surface Coating of Metal Coil	63.5181(c) Semiannual Compliance Report	<span style="background-color: #0070c0; color: white; padding: 2px 5px;">Add</span>

55

- **Step 2 - Select Report**
- Can search by any of the search criteria
- Select Search for Reports
- Select report → hit 'Add'

# My Reports Process – non ERT Reports

- **Step 3 – Upload Documents**
- File upload



The screenshot shows a progress bar at the top with four steps: Step 1 (Select Report Type), Step 2 (Select Your Report), Step 3 (Upload Documents), and Step 4 (Select Certifiers). Step 3 is currently active. Below the progress bar are three buttons: '< Return to Select Your Report', 'Save and Return to My Reports', and 'Next: Select Certifiers >'. The main heading is 'Step 3: Upload Documents'. Below this is a paragraph of instructions: 'For each report selected, upload the required documents. If you are uploading an Excel template, save the report as a ZIP file, and then upload the ZIP file. In the Selected Reports table click 'View' to navigate between reports or 'Remove' to remove the reports from the submission workflow. [Read More...](#)'

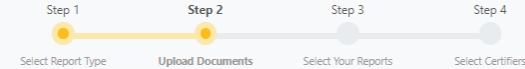
The main content area shows a report titled '63.5181(c) Semiannual Compliance Report'. It has a blue header 'Information' and contains the following details:

<b>Report</b>	63.5181(c) Semiannual Compliance Report - Part 63 Subpart SSSS - Surface Coating of Metal Coil <a href="#">Edit Report Name</a>
<b>Date Updated</b>	Jan 22 2021 02:33:07 PM
<b>Status</b>	Under Development
<b>Paperwork Reduction Act (PRA)</b>	<a href="#">PRA information</a>
<b>Report Template</b>	<a href="#">Click Here to Download Report Template</a>

Below the information section is an 'Upload' section with a blue header. It contains a 'File Upload \*' field with the placeholder text 'Click browse or drop file here...', a 'Browse' button, and an 'Upload' button.



# My Reports Process – ERT Reports



[← Return to Select Report Type](#)
[Save and Return to My Reports](#)
[Next: Select Your Reports >](#)

## Step 2: Upload Documents

Performance test data must be submitted in a file format generated through the use of the EPA's latest Electronic Reporting Tool (ERT) or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the [EPA's ERT website](#). Upload your ERT or XML schema in the 'Upload' section below. If you are uploading an ERT, you must upload a ZIP file. If you are uploading an XML, without an ERT, you must upload an XML file, not a ZIP file. Use the 'Browse' button to locate your file, and the 'Upload' button to load it to CEDRI. [Read More...](#)

### ERT Performance Report

Information

<b>Report</b>	ERT Performance Report - 40 CFR Subpart ERT - ERT	<a href="#">Edit Report Name</a>
<b>Date Updated</b>	Jan 22 2021 02:24:30 PM	
<b>Status</b>	Under Development	

Upload

File Upload \*

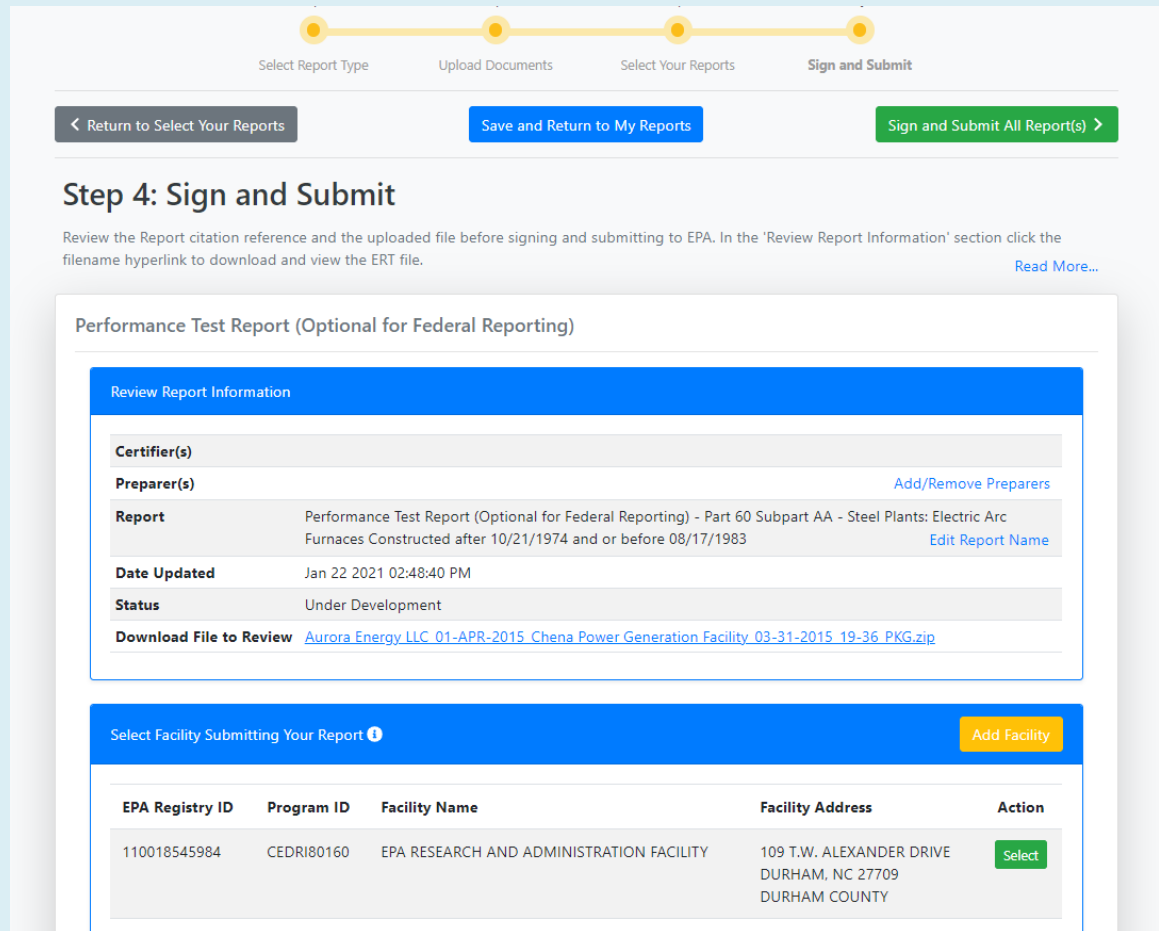
- **Step 2 – Upload Documents**
  - File upload
- **Step 3 – Select Report**
  - Can search by any criteria

Search Criteria

<b>Sectors</b> <input type="text" value="Select options"/>	<b>Source Categories</b> <input type="text" value="Select options"/>	<b>Report Type</b> ERT Performance Report
<b>Parts</b> <input type="text" value="Select options"/>	<b>Subparts</b> <input type="text" value="Select options"/>	<b>Report Names</b> <input type="text" value="Select options"/>

241 Results (10 Required) i

# My Reports Process



The screenshot shows the 'Step 4: Sign and Submit' interface. At the top, a progress bar indicates four steps: 'Select Report Type', 'Upload Documents', 'Select Your Reports', and 'Sign and Submit', with the fourth step being active. Below the progress bar are three buttons: 'Return to Select Your Reports', 'Save and Return to My Reports', and 'Sign and Submit All Report(s)'. The main heading is 'Step 4: Sign and Submit', followed by instructions to review report citation and file before signing. A 'Read More...' link is provided. The main content area is titled 'Performance Test Report (Optional for Federal Reporting)' and contains a 'Review Report Information' section with the following details:

<b>Certifier(s)</b>	
<b>Preparer(s)</b>	<a href="#">Add/Remove Preparers</a>
<b>Report</b>	Performance Test Report (Optional for Federal Reporting) - Part 60 Subpart AA - Steel Plants: Electric Arc Furnaces Constructed after 10/21/1974 and or before 08/17/1983 <a href="#">Edit Report Name</a>
<b>Date Updated</b>	Jan 22 2021 02:48:40 PM
<b>Status</b>	Under Development
<b>Download File to Review</b>	<a href="#">Aurora Energy LLC 01-APR-2015 Chena Power Generation Facility 03-31-2015 19-36 PKG.zip</a>

Below this is a 'Select Facility Submitting Your Report' section with an 'Add Facility' button. It contains a table with the following data:

EPA Registry ID	Program ID	Facility Name	Facility Address	Action
110018545984	CEDR180160	EPA RESEARCH AND ADMINISTRATION FACILITY	109 T.W. ALEXANDER DRIVE DURHAM, NC 27709 DURHAM COUNTY	<a href="#">Select</a>

- **Step 4 – Notify Certifier (Preparer Role)**
- **Step 4 – Sign and Submit (Certifier/Delegated Certifier Role)**

# CEDRI History

## CEDRI History

Below are the recent CEDRI submissions that you have either certified electronically or have been submitted by another "Certifier" in your organization, listed by individual report. You may search for specific submissions by selecting 'Add/View Filters'. Filter the CEDRI History by selecting any of the filter categories: Date / Status, Geography, Facility, and Sector / Rule. Click on any record in the CEDRI History table to see the report details, download associated files, and if necessary, Revise & Re-submit or Withdraw a report.

[Download as Excel](#) [Add/View Filters](#)

Certification Date	Report	Part	Subpart	Subpart Name	Facility	County	State	Format	Status
2019-12-18 10:34:28	Notice of Compliance Status (Optional for Federal Reporting)	63	DDDD	Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters	BELEWS CREEK	STOKES COUNTY	NC	File	Submitted
2019-12-17 16:18:16	63.11225(a)(4)(vi) Notification of Compliance Status	63	JJJJJ	Industrial, Commercial, and Institutional Boilers Area Sources	BANDAG	GRANVILLE COUNTY	NC	Webform	Submitted

What would you like to filter by? ⓘ

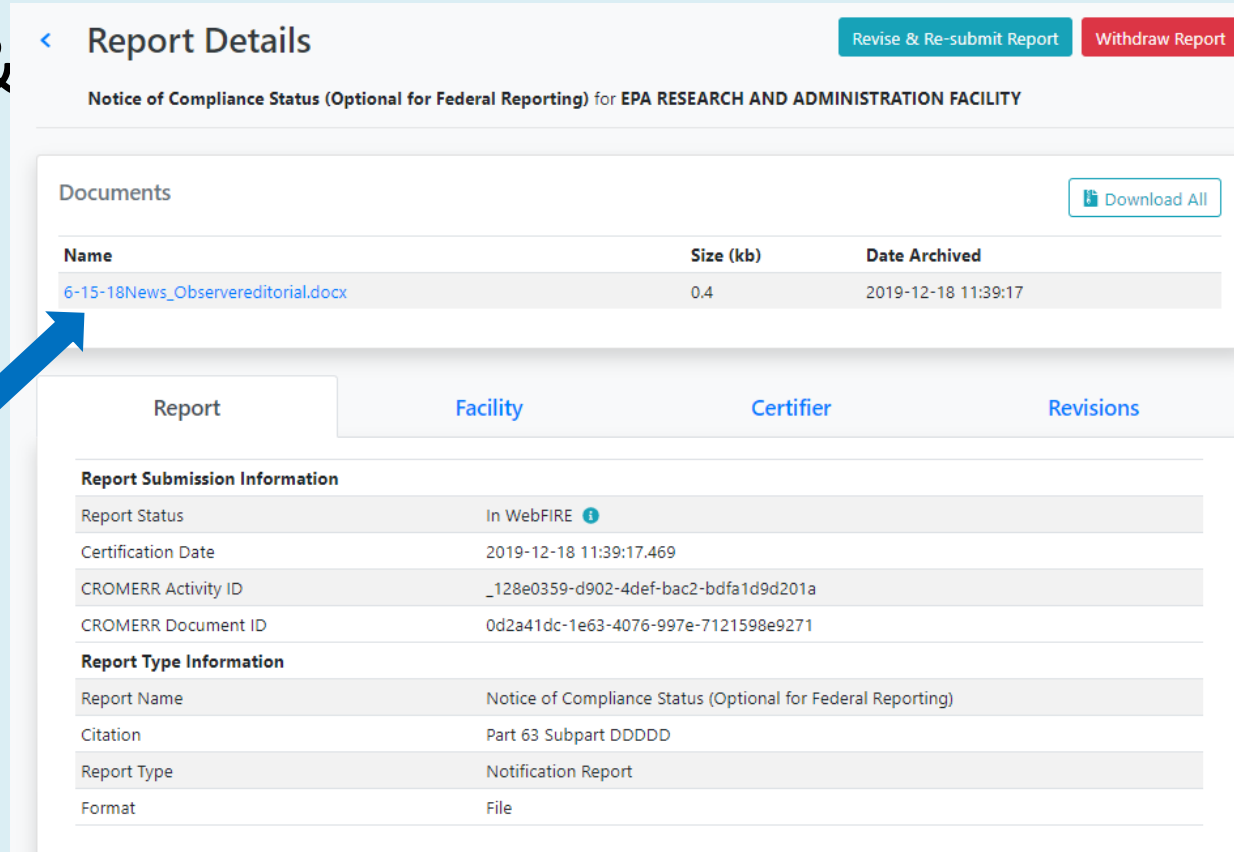
[Apply Filters](#) [Hide Filters](#)

- Date / Status
- Geography
- Facility
- Sector / Rule

- Ability to filter by Date/Status, Geography, Facility, and Sector/Rule

# Report Details

- Ability to Revise & Resubmit and Withdraw Report buttons
- View or save the report by clicking on the file



**Report Details** Revise & Re-submit Report Withdraw Report

Notice of Compliance Status (Optional for Federal Reporting) for EPA RESEARCH AND ADMINISTRATION FACILITY

Documents Download All

Name	Size (kb)	Date Archived
<a href="#">6-15-18News_Observeditorial.docx</a>	0.4	2019-12-18 11:39:17

Report **Facility** Certifier Revisions

**Report Submission Information**

Report Status	In WebFIRE ⓘ
Certification Date	2019-12-18 11:39:17.469
CROMERR Activity ID	_128e0359-d902-4def-bac2-bdfa1d9d201a
CROMERR Document ID	0d2a41dc-1e63-4076-997e-7121598e9271

**Report Type Information**

Report Name	Notice of Compliance Status (Optional for Federal Reporting)
Citation	Part 63 Subpart DDDDD
Report Type	Notification Report
Format	File

# New Title V Reports

- Part 49, 70, and 71 Title V reports may now be submitted through CEDRI by Industry users
  - **Part 49** - 49.155 Annual Emission Report, 49.155 Deviation Report
  - **Part 70** - 70.4(b)(12)(i) Notification of 502(b)(10) Changes, 70.5 Title V Permit Application, 70.6(a)(3)(iii)(A) Semi-Annual Monitoring Report, 70.6(a)(3)(iii)(B) Deviation Report, 70.6(c)(5)(iii) Annual Compliance Certification Report
  - **Part 71** - 71.5 Title V Permit Application, 71.6(a)(3)(iii)(A) Semi-Annual Monitoring Report, 71.6(a)(3)(iii)(B) Deviation Report, 71.6(a)(13) Notification of 502(b)(10) Changes, 71.6(c)(5)(iii) Annual Compliance Certification Report

< Return to Select Report Type
Save and Return to My Reports
Next: Upload Documents >

## Step 2: Select Your Report

Enter search criteria below to locate the reports you intend to submit. Use any combination of the search criteria you wish to narrow down the search. Click 'Search' to generate a list of matching reports, or 'Reset Search' to clear search criteria and start over. [Read More...](#)

Search for Report(s) to Create Need help finding your report?

Search Criteria

Sectors: <input style="width: 90%;" type="text" value="Select options"/>	Source Categories: <input style="width: 90%;" type="text" value="Select options"/>	Report Type: <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Other Report"/>
Parts: <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Part 49 - Indian Country: Air Quality Plan"/> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Part 70 - State Operating Permit Program"/> <input style="width: 90%; border: 1px solid #ccc;" type="text" value="Part 71 - Federal Operating Permit Program"/>	Subparts: <input style="width: 90%;" type="text" value="Select options"/>	Report Names: <input style="width: 90%;" type="text" value="Select options"/>

13 Results (10 Required) ⓘ

Reset Search
Search for Reports

# Highlights of Reviewer Pages

- MyCEDRI Dashboard
- Updated CEDRI History with new Search capabilities
- Updated Report Details / Review Process
- eMail Notifications
- View Qlik Reports (EPA Regional Reviewer role)

# MyCEDRI Dashboard

[MyCEDRI](#) [CEDRI History](#) [My Notifications](#) [Qlik Reports](#)

 [CBI Disclaimer](#) [Return to CDX](#) [Logout](#)

## What would you like to do?

### View Submitted Reports

View, Revise, or Withdraw previously submitted reports.

### Manage eMail Notifications

Filter the email notifications you receive from CEDRI.

### Manage Regulations

Manage reporting requirements for CEDRI reports.

### View Qlik Reports

Analyze report data via Qlik Reports.

## My Profile

[Manage My Profile](#)

Name	Role
<b>Casey Bray</b>	<b>Regional Reviewer</b>
CDX User Name	Organization
<b>BRAY.CASEY</b>	<b>US EPA</b>
Email	
<b>bray.casey@epa.gov</b> <a href="#">Edit Email</a>	

## My Regulations

Feature Coming Soon

## My Notifications

**882** Reports Pending Review ⓘ

[Go to CEDRI History](#) →

**0** Reports Pending Re-submission ⓘ

[Go to CEDRI History](#) →

## My Resources

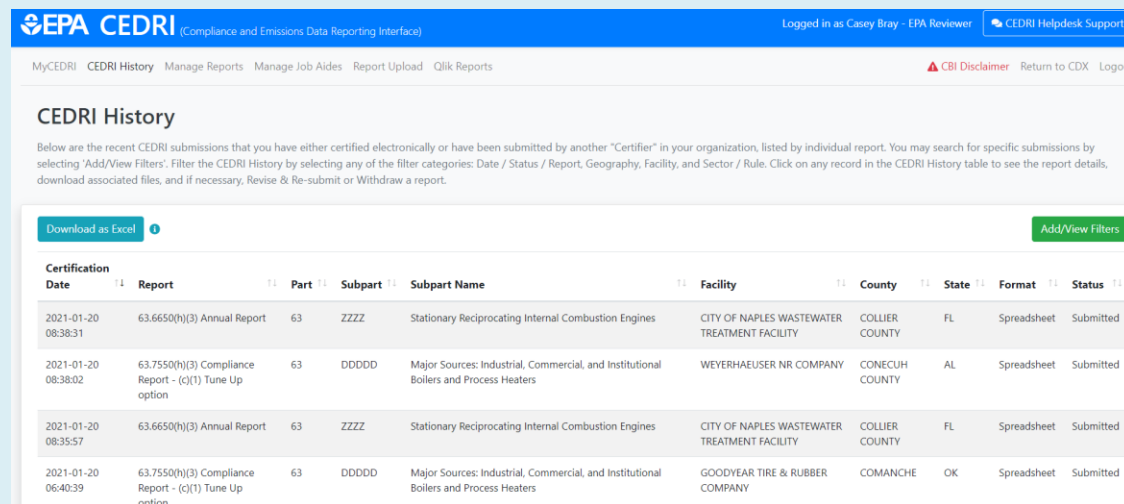
- [CEDRI Help](#) >
- [CEDRI Homepage](#) >
- [CEDRI Change Log](#) >
- [List of Rules](#) >
- [FAQ Document](#) >

Provide Feedback

Get Help on This Page

# CEDRI History

- New filtering search filter by Date/Status, Geography, Facility, and Sector/Rule
- Click on any record to access report details
- Ability to sort on most columns
- Ability to download table by clicking on 'Download as Excel' button
  - CSV will include additional data elements in near future (e.g., CROMMER Activity ID)



**EPA CEDRI** (Compliance and Emissions Data Reporting Interface) Logged in as Casey Bray - EPA Reviewer | CEDRI Helpdesk Support

MyCEDRI | CEDRI History | Manage Reports | Manage Job Aides | Report Upload | Qlik Reports ▲ CBI Disclaimer | Return to CDX | Logout

### CEDRI History

Below are the recent CEDRI submissions that you have either certified electronically or have been submitted by another "Certifier" in your organization, listed by individual report. You may search for specific submissions by selecting "Add/View Filters". Filter the CEDRI History by selecting any of the filter categories: Date / Status / Report, Geography, Facility, and Sector / Rule. Click on any record in the CEDRI History table to see the report details, download associated files, and if necessary, Revise & Re-submit or Withdraw a report.

[Download as Excel](#) [Add/View Filters](#)

Certification Date	Report	Part	Subpart	Subpart Name	Facility	County	State	Format	Status
2021-01-20 08:38:31	63.6650(h)(3) Annual Report	63	ZZZZ	Stationary Reciprocating Internal Combustion Engines	CITY OF NAPLES WASTEWATER TREATMENT FACILITY	COLLIER COUNTY	FL	Spreadsheet	Submitted
2021-01-20 08:38:02	63.7550(h)(3) Compliance Report - (c)(1) Tune Up option	63	DDDDD	Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters	WEYERHAEUSER NR COMPANY	CONECUH COUNTY	AL	Spreadsheet	Submitted
2021-01-20 08:35:57	63.6650(h)(3) Annual Report	63	ZZZZ	Stationary Reciprocating Internal Combustion Engines	CITY OF NAPLES WASTEWATER TREATMENT FACILITY	COLLIER COUNTY	FL	Spreadsheet	Submitted
2021-01-20 06:40:39	63.7550(h)(3) Compliance Report - (c)(1) Tune Up option	63	DDDDD	Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters	GOODYEAR TIRE & RUBBER COMPANY	COMANCHE	OK	Spreadsheet	Submitted



# Report Details/Review Process

- **Push Back for Resubmission** - Sends the report back to the CEDRI Certifier for necessary revisions to spreadsheet template, associated parts and subparts, or any other areas that require update
- **Extend WebFIRE Transfer Date** - Extends the default transfer period to WebFIRE. ERT-type reports have a 60-day transfer period - all other reports have a 30-day transfer period. This function allows reviewers to extend this date by 1 transfer period
- **Mark as Reviewed** - Overrides current WebFIRE transfer date and begins immediate transfer to WebFIRE

< Report Details

Extend Transfer Date
Push Back Report

63.1354(b)(11)(i)(C) Relative Accuracy Test Audit Data and Performance Test Data for CEMEX CONSTRUCTION MATERIALS FLORIDA, LLC

---

Documents

Download All
Mark as Reviewed

Name	Size (kb)	Date Archived
307-19-24-FacID0530021-EU020-KiIn1-NESHA_05-08-2020_17-38_PKG.zip	9.1	2020-05-08 17:52:49

Report
Facility
Certifier
Revisions

**Report Submission Information**

Report Status	Submitted
Certification Date	2020-05-08 17:52:13
Available in WebFIRE	2020-07-07 (57 Days)

# eMail Notifications

- Turn eMail Notifications on and off
- Create/Edit Notification Filter
  - By Report Type
  - By Geography
  - By Rule
- Ability to set notification destination

### My Notifications

Notification filters allow you to restrict the types of email notifications you receive from CEDRI.  
e.g. You would add a filter if you would like to ONLY receive notifications regarding the Part 63 DDDDD Compliance Reports for the State of Florida.

Notifications Status

Your CEDRI Email Notifications are: **OFF** [Turn On Notifications](#)

Step 1 Step 2 Step 3

Create/Edit Filter Choose Destination Review & Save

### Create/Edit Notification Filter

Filter Information

Filter Name: \*  Description: \*

Filter Contents

Would you like to filter email notifications by Report Type?

Would you like to filter email notifications by Geography?

Would you like to filter email notifications by Rule?

[Return to Notification Filters](#) [Cancel](#) [Next: Choose Notification Destination >](#)

# View Qlik Reports

- Currently only available for EPA Regional Reviewers role
- New Qlik Reports are added as reports are made available in CEDRI
- Only developed for Periodic Report templates

## Qlik Reports

Select a link below to view the Qlik Report.

**Note:** You must be on the EPA Network to access Qlik Reports.

### CEDRI Reports

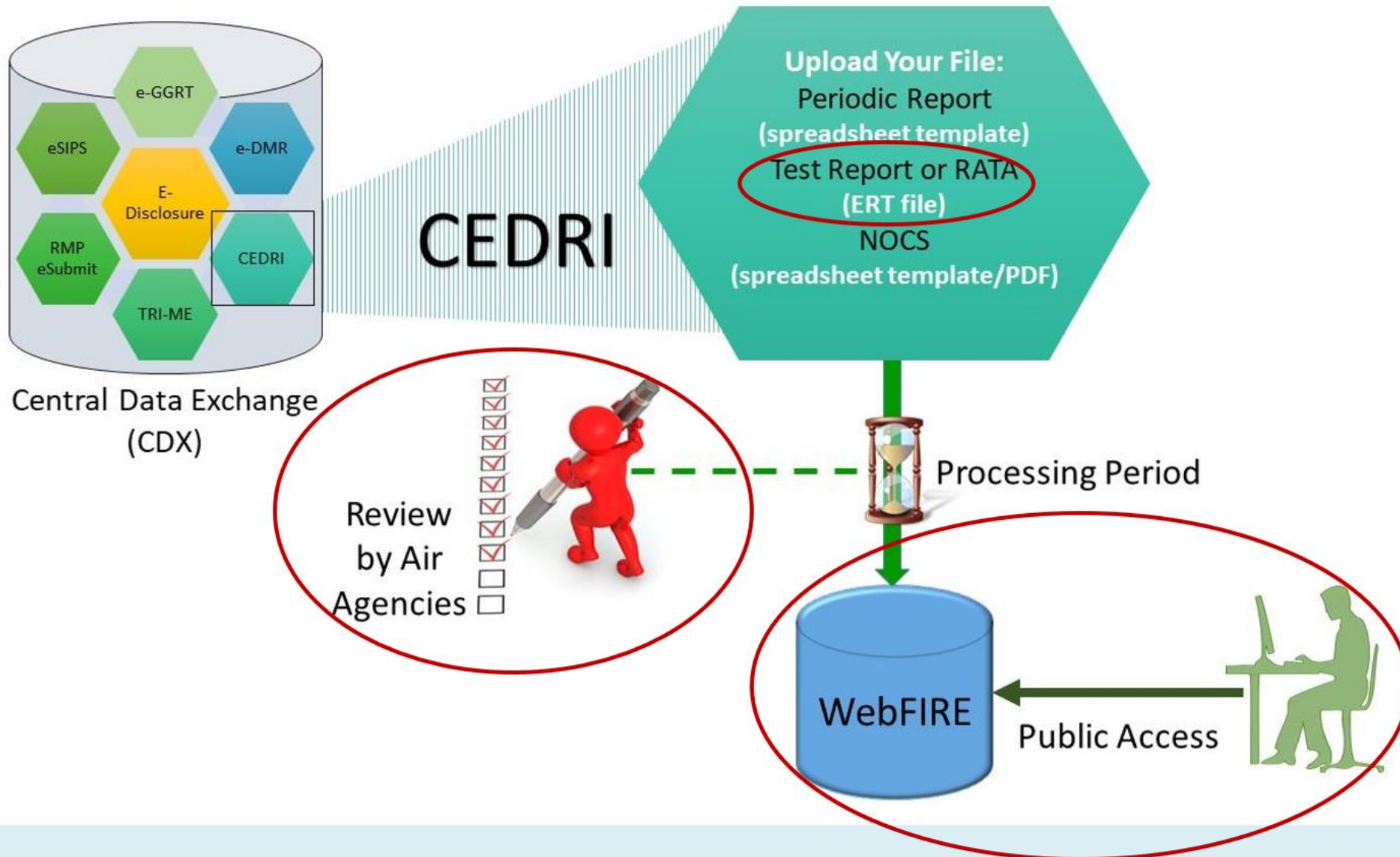
<a href="#">Part 60, Subpart OOOOa Initial Semiannual - Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced after 9/18/2015 (§§ 60.5422a(b))</a>	>
<a href="#">Part 60, Subpart OOOOa Semiannual - Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced after 9/18/2015 (§§ 60.5422a(a))</a>	>
<a href="#">Part 63, Subpart CC - Petroleum Refineries (§§ 63.655(h)(8))</a>	>
<a href="#">Part 63, Subpart FFFFF - Integrated Iron and Steel Manufacturing (§§ 63.7841(b))</a>	>
<a href="#">Part 63, Subpart LLL - Portland Cement Manufacturing Industry (§§ 63.1354(b)(9))</a>	>
<a href="#">Part 63, Subpart NNNN - Surface Coating of Large Appliances (§§ 63.4121(b))</a>	>
<a href="#">Part 63, Subpart OOOO - Printing, Coating, and Dyeing of Fabrics and Other Textiles (§§ 63.4311(a))</a>	>
<a href="#">Part 63, Subpart QQQQ - Surface Coating of Wood Building Products (§§ 63.4720)</a>	>
<a href="#">Part 63, Subpart RRRR - Surface Coating of Metal Furniture (§§ 63.4921(b))</a>	>
<a href="#">Part 63, Subpart VVVV - Boat Manufacturing (§§ 63.5765(d))</a>	>
<a href="#">Part 63, Subpart WWWW - Reinforced Plastics Composites Production (§§ 63.5912(d))</a>	>

# Helpful Links

- CEDRI Homepage –  
<https://www.epa.gov/electronic-reporting-air-emissions/cedri>
- CDX – <https://cdx.epa.gov>
- Other CEDRI questions, email **cedri@epa.gov**

# WebFIRE

# Data Flow



# Background

- Emissions factors relate the quantity of air emissions from a process to a specific activity associated with the emissions
- Emissions factors used to estimate emissions from a normally operated process or activity
- Emissions factors designed for use in national and regional emissions inventories
- Recommend site-specific stack testing for other uses (e.g., permitting, applicability, emission limits)
- **Is AP-42 going away? No** – AP-42 is an online compilation of EPA's air pollution emissions factors divided into chapters for different types of sources.
- **WebFIRE** – Online searchable database for air emission factors, repository and future emissions factors development tool

# Where are we now?

- Over 10,400 stack test reports submitted through CEDRI are available in WebFIRE since 2012
- Emissions factor procedures have been developed (2013) and are planned to be finalized in 2021:  
<https://www.epa.gov/air-emissions-factors-and-quantification/procedures-development-emissions-factors-stationary-sources>
- Revised SCC search logic for the emissions factor search for records with both discontinued and replaced SCCs



# Where are we now? (continued)

- Manually developed new/revised emissions factors for certain petroleum refinery processes, ground flares for oil and gas production, and chemical manufacturing:
  - <https://www.epa.gov/air-emissions-factors-and-quantification/documentation-supporting-proposed-and-final-emissions>
- Completed testing of new emissions factor procedures programmed in WebFIRE Fall/Winter 2020
- Proposing multiple (3 to 4) new/revised emissions factors Spring 2021

# Public Review Process of Emissions Factors

- Emission factor developments/revisions are driven by the data received from E-Reporting
- Factors not drafted on any specific “timeframe” – will be proposed periodically
- Posted on the Air Emissions Factors and Quantification Drupal site:  
<https://www.epa.gov/air-emissions-factors-and-quantification/documentation-supporting-proposed-and-final-emissions>
- Notifications sent out via CHIEF listserv:  
<https://www.epa.gov/chief/chief-listserv>
- 60-day public comment period
- EPA reviews public comments and determines if emissions factors should be revised/developed

# New Approach Components

- Development of Electronic Reporting Tool (ERT) to allow electronic submission of stack test reports
- Development of data submission portal (CEDRI)
- Development of WebFIRE to automatically calculate new or revised emissions factors
- Under new system, emissions factor development will be faster, more representative, higher quality and more objective than previous approach
- Rule revisions to require electronic reporting of stack test reports

# WebFIRE Functions

- WebFIRE is EPA's online emissions factor retrieval database
- Repository for electronically submitted stack test reports and other compliance reports
- Programmed statistical procedures to electronically develop new/revised emissions factors (WebFIRE admin module)
- Provides search functions for reports received via CEDRI
- Allows users to generate their own emissions factors (future)  
– April 2021
- (Future enhancements): Webservices to handle ranges, < values, formulas, unit conversions...

# EPA's New Statistical-Based Emissions Factor Development Procedures

- Test data collected using ERT
- ERT assigns numerical quality rating to individual test report
- ERT file submitted to WebFIRE via CEDRI
- Statistical procedures for determining if data is below the minimum detection limit (MDL) – no EF all BDLs
- Statistical procedures for identifying and removing outliers
- Emissions factor quality assessment
- Statistical procedures for identifying valid data combinations

# WebFIRE Spreadsheet Template

Template to use for methods not supported by the ERT

Submit template to EPA at: [Chief\\_Info@epa.gov](mailto:Chief_Info@epa.gov)

✕ ✓ fx

	L	M	N	O	P	Q	R	S
	APPL_SCCS	POLL_NAME	NEI_POLLUTANT_CODE	CAS_NUMBER	TEST_METHOD	TEST_RUN	PROCESS_RUN	METHOD
<p>ion Code: de for point d mobile The SCC e emission ed.</p>	<p>Applicable SCCs. If more than one SCC is associated with the emissions data, enter the SCCs here. In order to associate the records in the spreadsheet as duplicates of each other, list all relevant SCCs in this field. The format for this field is comma-delimited. SCCs are to be separated by a comma and one space.</p>	<p>WebFIRE uses the National Emissions Inventory (NEI) pollutant names to describe the pollutant (see "EIS Code Tables (including SCCs)" at <a href="https://www.epa.gov/air-emissions-inventories/emission-inventory-system-eis-gateway">https://www.epa.gov/air-emissions-inventories/emission-inventory-system-eis-gateway</a>).</p>	<p>WebFIRE uses the NEI pollutant codes to describe the pollutant (see "EIS Code Tables (including SCCs)" at <a href="https://www.epa.gov/air-emissions-inventories/emission-inventory-system-eis-gateway">https://www.epa.gov/air-emissions-inventories/emission-inventory-system-eis-gateway</a>). If no NEI pollutant code is available for the pollutant, indicate this by including "NONE" in the field, and indicate the pollutant identity in the POLL_NAME and/or CAS_NUMBER fields so that WebFIRE developers are aware that a pollutant code is needed.</p>	<p>Pollutant CAS number (no dashes). This will often be the same as the NEI pollutant code, but there may be exceptions.</p>	<p>Test method that was followed by tester. If the method use was EPA method 25, please use the following format: "EPA 25" Most if not all test data will be EPA method X, where "X" is numeric or alphanumeric.</p>	<p>Test run identification (e.g., 1).</p>	<p>Process run identification (e.g., 1).</p>	<p>Notes regarding application method (e.g., circumstances, difficulties)</p>
	<b>Optional</b>	<b>Required</b>	<b>Required</b>	<b>Required (if applicable)</b>	<b>Required</b>	<b>Required</b>	<b>Required</b>	<b>Optional</b>

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Ciolek, Michael 

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H13

	A	B	G	H	N
1	Name of Facility where the test was performed				
2	Name of Company performing stationary source test				
3	SCC of tested unit or units				
4	Name of assessor and name of employer.				
5	Name of regulatory assessor and regulatory agency name.				

**Test Report Quality Indicator Value Rating 0**

Supporting Documentation Provided	<i>Response</i>	Regulatory Agency Review	<i>Response</i>	Justification
-----------------------------------	-----------------	--------------------------	-----------------	---------------

**General**

As described in ASTM D7036-12 Standard Practice for Competence of Air Emission Testing Bodies, does the testing firm meet the criteria as an AETB or is the person in charge of the field team a QI for the type of testing conducted? A certificate from an independent organization (e.g., Stack Testing Accreditation Council (STAC), California Air Resources Board (CARB), National Environmental Laboratory Accreditation Program (NELAP)) or self declaration provides documentation of competence as an AETB.		As described in ASTM D7036-12 Standard Practice for Competence of Air Emission Testing Bodies, does the testing firm meet the criteria as an AETB or is the person in charge of the field team a QI for the type of testing conducted? A certificate from an independent organization (e.g., STAC, CARB, NELAP) or self declaration provides documentation of competence as an AETB.		
---	--	--	--	--

		Was a representative of the regulatory agency on site during the test?		
Is a description and drawing of test location provided?		Is a description and drawing of test location provided?		

WebFIRE Template Instructions | WebFIRE Template | Test Rating Tool Instructions | **Test Quality Rating Tool**

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Has a description of deviations from	Is there documentation that the source or the test company sought and obtained approval for deviations from the				
--------------------------------------	---	--	--	--	--



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 Ciolek, Michael CM

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H13

	A	B	G	H	N
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**Test Report Quality Indicator Value Rating 0**

Supporting Documentation Provided	<i>Response</i>	Regulatory Agency Review	<i>Response</i>	Justification
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**Manual Test Methods**

Have the following been included in the report:				
27	Dry gas meter (DGM) calibrations, pitot tube and nozzle inspections?		Was the DGM pre-test calibration within the criteria specified by the test method?	
28			Was the DGM post-test calibration within the criteria specified by the test method?	
29			Were thermocouple calibrations within method criteria?	
30			Was the pitot tube inspection acceptable?	
31			Were nozzle inspections acceptable?	
32			Were flow meter calibrations acceptable?	
33				

 WebFIRE Template Instructions | WebFIRE Template | Test Rating Tool Instructions | **Test Quality Rating Tool**

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# Searching Reports

WebFIRE

Basic Information

Emissions Factors /  
AP42

Emissions Factors &  
Estimation Tools

CHIEF Archives

## Welcome to WebFIRE

WebFIRE is the EPA's online database that contains [emissions factors](#) for criteria and hazardous air pollutants (HAP) for industrial and non-industrial processes and [multiple reports](#) submitted to the EPA using the Compliance and Emissions Data Reporting Interface (CEDRI) in response to regulatory requirements under Parts 60 and 63 of Title 40 of the U.S. Code of Federal Regulations (CFR). WebFIRE also allows you to [register](#) to receive periodic email notifications when reports are submitted to WebFIRE and to prepare [batch downloads](#) of WebFIRE emissions and facility information.

- [Search for emissions factors](#)
- [Search for reports](#)
- [Register for email notifications](#)
- [Download WebFIRE data in bulk](#)

### Emission Factor Functions

WebFIRE contains emissions factors developed by the EPA for criteria pollutants and HAP for industrial and non-industrial processes. For each EPA emissions factor, WebFIRE contains descriptive information such as industry and source category type, control device information, the pollutants emitted, and supporting documentation (e.g., test reports).

- [Search for emissions factors](#)
- [Search for reports](#)
- [Register for email notifications](#)
- [Download WebFIRE data in bulk](#)

What do you want to do?

You are here: [EPA Home](#) » [Technology Transfer Network](#) » [Clearinghouse for Inventories & Emissions Factors](#) » [Emissions Factors & AP-42](#) » [WebFIRE](#) » [Search WebFIRE](#)

# WebFIRE

## WebFIRE Report Search and Retrieval

WebFIRE contains the following types of reports that are submitted to the EPA's Compliance and Emissions Data Reporting Interface ([CEDRI](#)):

- [Air Emissions Reports](#) - Air emissions reports (AERs) for an applicable regulation (e.g., compliance summary and excess emissions reports).
- [Performance Test Reports](#) - Emissions source test data and performance evaluations/relative accuracy test audits (RATA) submitted by facilities.
- [Notification of reports](#) - Notifications of compliance status (NOCS) submitted by facilities certifying that initial compliance with an applicable regulation was achieved.

To begin your search, specify the report type(s) of interest below:

### Report Type

All  
Performance Test Reports  
Air Emissions Reports  
Notification of Compliance Status Reports

(Control-Click for multiple selections)

[Submit Search](#)[Reset](#)

You are here: [EPA Home](#) • [Technology Transfer Network](#) • [Clearinghouse for Inventories & Emissions Factors](#) • [Emissions Factors & AP-42](#) • [WebFIRE](#) • [Search WebFIRE](#)

# WebFIRE

## WebFIRE Report Search and Retrieval Criteria

You can select one or more of the following search criteria to refine your search for selected report types from the previous page. To enter your search criteria, click on arrow to open or close the criteria menu. After you have selected the search criteria of interest, click on the Submit button to retrieve the relevant reports from WebFIRE.

### Search Criteria for Performance Test Reports

- Submitting Organization and/or Facility Name
- CEDRI Submission Date
- Facility Location
- Regulatory Part and Subpart
- FRS ID
- SCC (for performance tests only)
- Pollutant (for performance tests only)
- Pollutant Test Method (for performance tests only)
- Control Device (for performance tests only)

#### Available Control Devices

Select options

Submit Search


Reset

[Expand all](#) [Collapse all](#)

You are here: [EPA Home](#) » [Technology Transfer Network](#) » [Clearinghouse for Inventories & Emissions Factors](#) » [Emissions Factors & AP 42](#) » [WebFIRE](#) » [Search WebFIRE](#)

## WebFIRE Report Search Results and Viewing Instructions

The Report Search Results table below shows the **631** reports (631 STs) in WebFIRE that match your search criteria. **These reports and any related attachments may or may not have been reviewed by the state, local, or tribal air pollution agency or delegated authority.**

The Report Search Results table below shows the reports and any related attachments (indicated by the  icon in the search results table). Click [REVISE CURRENT SEARCH](#) to return to your search criteria. Click [NEW SEARCH](#) to start a new search.









» Viewing Instructions

» Downloading Reports

### Report Search Results

Show  entries

Search Page:

Organization	Facility	City	State	County	Submission Date	Report Type	Report Sub Type	Pollutants	Control Devices	Document	Related Attachment(s)	Include Report in Bulk Download	Include Data in CSV File <input type="checkbox"/> Select All
A B Brown Generating Station	A B Brown Generating Station	Mount Vernon	IN	Posey	2016-10-27 16:57:38.151	ST	MATS_PT				No Attachments	<input type="checkbox"/>	N/A
A B Brown Generating Station	A B Brown Generating Station	Mount Vernon	IN	Posey	2016-10-28 12:24:36.07	ST	MATS_PT				No Attachments	<input type="checkbox"/>	N/A
A B Brown Generating Station	A B Brown Generating Station	Mount Vernon	IN	Posey	2016-10-31 12:19:30.67	ST	MATS_RCA				No Attachments	<input type="checkbox"/>	N/A
AES Hawaii	AES Hawaii	Kapolei	HI	Honolulu	2016-10-27 22:56:33.125	ST	MATS_RATA				No Attachments	<input type="checkbox"/>	N/A
AES Hawaii	AES Hawaii	Kapolei	HI	Honolulu	2016-10-27 22:56:22.385	ST	MATS_PT				No Attachments	<input type="checkbox"/>	N/A
AES Hawaii	AES Hawaii	Kapolei	HI	Honolulu	2016-10-27 22:56:45.44	ST	MATS_LEEQ				No Attachments	<input type="checkbox"/>	N/A
ALCOSAN	ALCOSAN WASTEWATER TREATMENT PLT	PITTSBURGH	PA	ALLEGHENY COUNTY	2016-10-28 12:12:33.186	ST	ERT				No Attachments	<input type="checkbox"/>	<input type="checkbox"/>
ALCOSAN	ALCOSAN WASTEWATER TREATMENT PLT	PITTSBURGH	PA	ALLEGHENY COUNTY	2016-10-28 12:12:36.271	ST	ERT				No Attachments	<input type="checkbox"/>	<input type="checkbox"/>

Energy Complex	Baldwin Energy Complex	Baldwin	IL	Randolph	2016-10-11 13:56:49.196	ST	MATS_RATA				No Attachments	<input type="checkbox"/>	N/A
Baldwin Energy Complex	Baldwin Energy Complex	Baldwin	IL	Randolph	2016-10-11 13:56:25.302	ST	MATS_PT				No Attachments	<input type="checkbox"/>	N/A
Baldwin Energy Complex	Baldwin Energy Complex	Baldwin	IL	Randolph	2016-10-12 10:56:07.654	ST	MATS_RATA				No Attachments	<input type="checkbox"/>	N/A
BARRICK CORTEZ, INC	CORTEZ GOLD MINES	CRESCENT VALLEY	NV	Lander	2016-11-09 15:22:03.491	ST	ERT				No Attachments	<input type="checkbox"/>	<input type="checkbox"/>
BARRICK CORTEZ, INC	CORTEZ GOLD MINES	CRESCENT VALLEY	NV	Lander	2016-11-09 15:21:52.785	ST	ERT				No Attachments	<input type="checkbox"/>	<input type="checkbox"/>
BARRICK CORTEZ, INC	CORTEZ GOLD MINES	CRESCENT VALLEY	NV	Lander	2016-11-09 15:21:56.46	ST	ERT				No Attachments	<input type="checkbox"/>	<input type="checkbox"/>
BARRICK CORTEZ, INC	CORTEZ GOLD MINES	CRESCENT VALLEY	NV	Lander	2016-11-09 15:21:59.812	ST	ERT				No Attachments	<input type="checkbox"/>	<input type="checkbox"/>
Belle River	Belle River	East China	MI	St. Clair	2016-10-05 07:56:13.671	ST	MATS_PT				No Attachments	<input type="checkbox"/>	N/A
Belle River	Belle River	East China	MI	St. Clair	2016-10-20 07:56:33.585	ST	MATS_PT				No Attachments	<input type="checkbox"/>	N/A
Benson Power, LLC	BENSON POWER BIOMASS PLANT	BENSON	MN	SWIFT COUNTY	2016-10-10 15:34:52.787	ST	ERT				No Attachments	<input type="checkbox"/>	<input type="checkbox"/>
Benson Power, LLC	BENSON POWER BIOMASS PLANT	BENSON	MN	SWIFT COUNTY	2016-10-10 15:32:28.744	ST	ERT				No Attachments	<input type="checkbox"/>	<input type="checkbox"/>
Big Cajun 2	Big Cajun 2	New Roads	LA	Pointe Coupee	2016-10-06 10:56:06.018	ST	MATS_LEEQ				No Attachments	<input type="checkbox"/>	N/A
All	All	All	All	All	All	All	All	All	All	All	All	All	All

Showing 1 to 50 of 500 entries

Previous

1

2

3

4

5

...

10

Next

[Bulk Download Selected Reports and/or CSV File](#)
[Next 500 Records](#)

You can refine the reports displayed in the search results table using one or more of the drop-down menus located at the bottom of the table. For example, to display reports for particular facility, click on the down arrow in the drop-down menu below the "Facility" column and click on the facility name of interest. To reset a particular data filter, click "ALL" at the top of the drop-down list.

# WebFIRE Useful Links

- WebFIRE Database: <https://cfpub.epa.gov/webfire/>
- Emissions Factors Procedures Document: <https://www.epa.gov/air-emissions-factors-and-quantification/procedures-development-emissions-factors-stationary-sources>
- AP-42: <https://www.epa.gov/air-emissions-factors-and-quantification/ap-42-compilation-air-emissions-factors>
- WebFIRE Template  
<https://www.epa.gov/node/156457/revision/703361#WebFIRE>
- ERT: <https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert>
- AP-42 References: <https://gaftp.epa.gov/ap42/>
- Notifications sent out via CHIEF listserv:  
<https://www.epa.gov/chief/chief-listserv>