EPA's Electronic Reporting

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Various Reporting Systems

- Emissions Collection and Monitoring Plan System (ECMPS) – acid rain and other utility reporting.

- EPA's electronic Greenhouse Gas Reporting Tool (e-GGRT).

- Compliance and Emissions Data Reporting Interface (CEDRI).

- States have other systems like Iowa EasyAir.

Electronic Reporting Rules

- 40 CFR Part 3, Cross-Media Electronic Reporting Rule (CROMERR)
  - Applies to all EPA environmental regulations.
  - Applies to EPA-authorized programs.
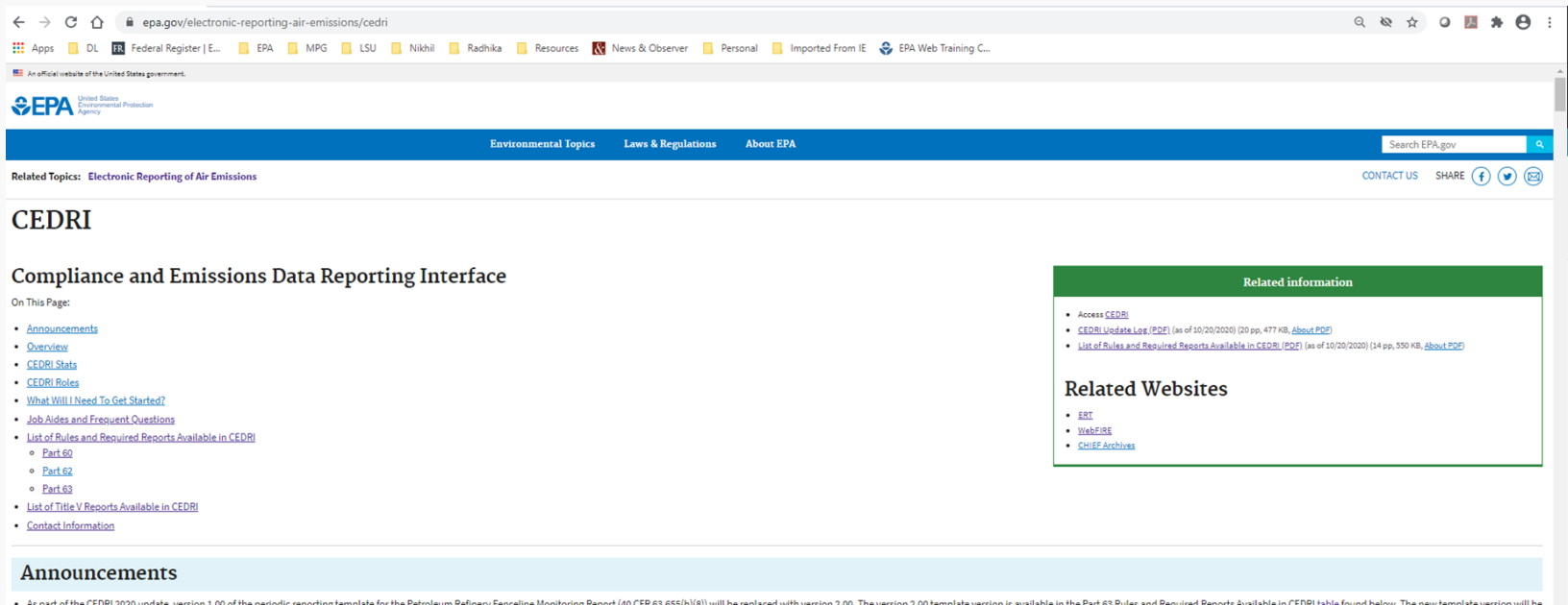 - Does not allow for reports to be submitted via email.

CEDRI

- Most electronic reports required via CEDRI.

- Many regulations required reports and test data to be submitted to CEDRI.

- Some operating permit reports and EPA-issued construction permit reports may be submitted using CEDRI.

- Starting in Sept. 2024, EPA is allowing any report required by 40 CFR Parts 59-63 to be submitted to CEDRI. (See 89 FR 78300.)
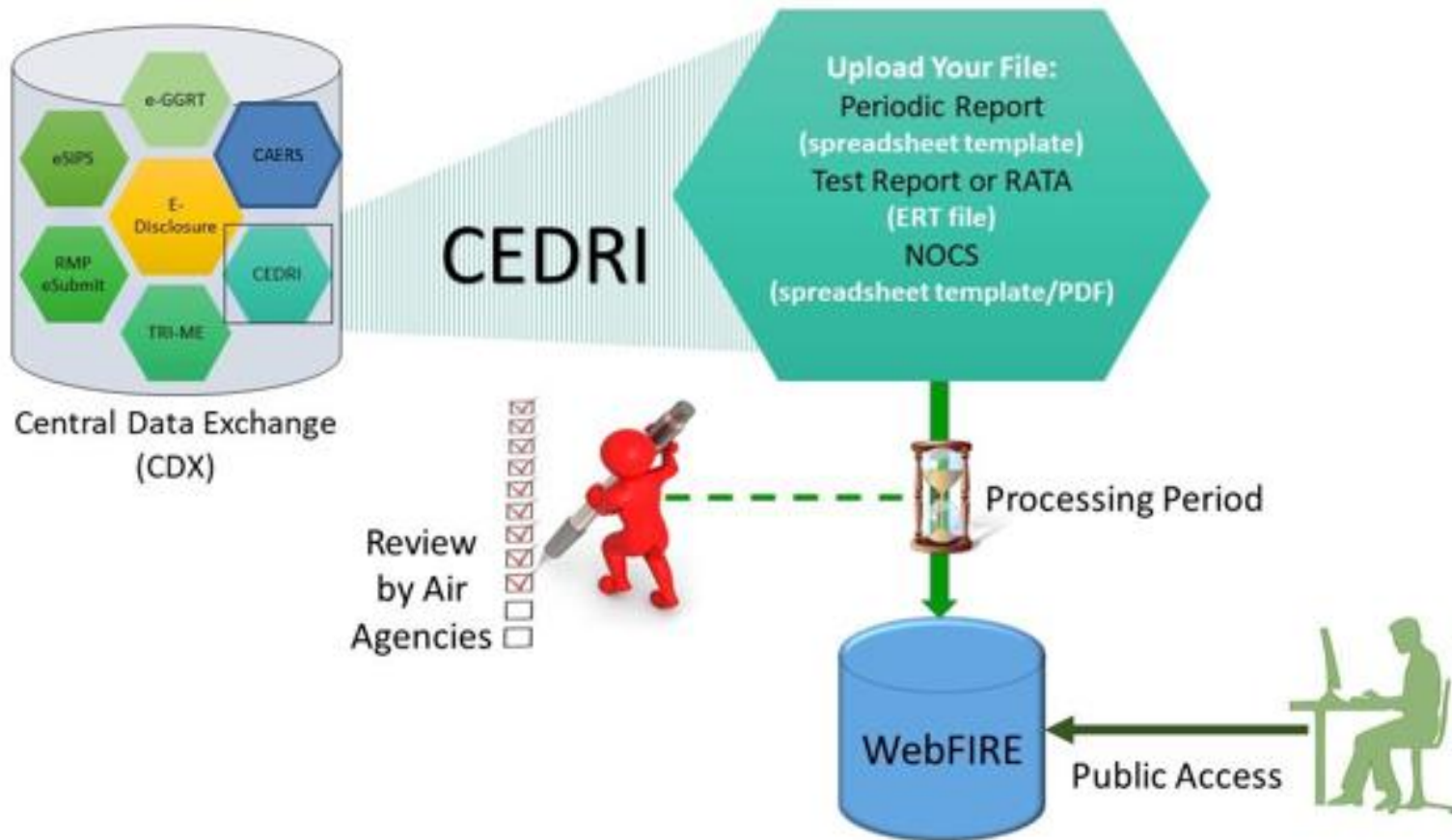
CEDRI Website

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

CEDRI Process

CEDRI Roles

- Preparer – Person responsible for the preparation of reports for signature and submission. This can be a contractor.

- Certifier – Authorized source/facility representative. Signs and submits the report.

- Delegated Certifier – Person allowed to sign and submit reports on behalf of the certifier.

- Reviewer – View submissions applicable to their state/region.

Types of Reports Submitted in CEDRI

Performance Test Reports
- Regulated facility uses the Electronic Reporting Tool (ERT), built in Microsoft Access, to generate files containing emissions source test data.

Notification Reports or Notification of Compliance Status (NOCS)
- 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
- Examples of these reports would 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.

Information Collection Requests

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? (cont.)

- Currently, the Electronic Reporting Tool (ERT) is a MS Access database desktop application.

- A tool that can create electronic alternative for paper reports of performance tests and evaluations (RATAs) and wood heater application and summary report.

- Supports all methods and 5 Performance Specifications.

ERT Website

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

What is WebFIRE?

- EPA's online database that contains emissions factors for criteria and hazardous air pollutants for both industrial and non-industrial processes.

- The database also contains reports submitted to EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) in response to electronic reporting regulatory requirements.

  - **Air Emissions Report (AER)** - Also known as periodic reports (e.g., semiannual reports, compliance reports).

  - **Performance Test Reports** - Emissions source test data and performance evaluations/relative accuracy test audits (RATA).

  - **Notification reports** - Notifications of compliance status (NOCS) certifying that compliance with an applicable regulation was achieved.

Current Approach Components

- Use of Electronic Reporting Tool (ERT) to allow electronic submission of stack test reports.

- Use of data submission portal (CEDRI).

- Development of WebFIRE to **automatically** calculate new or revised emissions factors.

- Rule revisions to require electronic reporting of stack test reports.

How to Access WebFIRE

- https://cfpub.epa.gov/webfire

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 prepare batch downloads of WebFIRE emissions and facility information. Please note that the batch downloads includes formula-based emission factors that are not retrieved in the WebFIRE emission factor search.

- Search for emissions factors
- Search for reports
- User-defined emissions factors
- WebFIRE Web Service
- Download WebFIRE Emission Factors

User-Defined Emissions Factors

- Added functionality to allow users to develop own emissions factors from performance test data using EPA procedures.

- Users can select which records they want to include in factor.

  - Dataset must contain at least 3 values for data outlier test.

  - **NOTE: WebFIRE does not retain or endorse factors created with the user-defined emissions factor functionality.**

User-Defined Emissions Factors (cont.)

WebFIRE

Develop User-defined Emission Factors

You can develop an emissions factor from individual performance test values that you select from the WebFIRE database using the same procedures that EPA follows to develop new or revise existing factors. To begin, retrieve the test data values of interest by entering each of the search criteria below in sequence and clicking on the "Submit Search" button. As you select each search criteria, the drop-down menu for the next criteria shows the available selections based on the entries you provided for the previous criteria. You must specify a selection for each search criteria field.

The data outlier test in the WebFIRE emissions factor calculation procedures requires that the data set you select include at least three data values. This CSV table lists the data sets (grouped by Source Classification Code (SCC), pollutant, control device configuration, and activity) for which the WebFIRE database contains at least three data values.

Available SCCs

Select a SCC - (Required) ⌄

Available Pollutants

Select a Pollutant (Required) ⌄

Available Control Device

Select a Control Device Configuration (Required) ⌄

Available Units

Select a Unit (Required) ⌄

Available Activity

Select an Activity (Required) ⌄

Submit Search   Reset

User-Defined Emissions Factors (cont.)

User-Defined Emissions Factors (cont.)

Table 1. Results of emissions factor data set

CSV   Copy

Key Parameters	Results
SCC	10100204
Does the SCC contain more than 15 sources?	Yes
Pollutant	PM, FILTERABLE
Units	LB
Activity	MILLION BTUS HEAT INPUT
Factor Quality Rating	Moderate
Number of individual test data values used to calculate the emissions factor	7
Number of individual test data values excluded from the calculation	0
Composite Test Rating	68.7
Control Device Configuration	UNCONTROLLED
User-defined Emission Factor	3.58E-02

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

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

- Notifications sent out via CHIEF listserv: https://www.epa.gov/chief/chief-listserv

Questions?

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