



WebFIRE Enhanced Report Search and Download Functions

June 1, 2016

Presentation Topics

- ▶ WebFIRE background.
- ▶ Overview of enhancements to WebFIRE report search/download features.
- ▶ Demonstration of enhanced features.
- ▶ Next steps.
- ▶ Questions.

What is WebFIRE?

- ▶ EPA's online emissions factor retrieval, repository, and development tool.
- ▶ Repository for electronically submitted performance test reports, RATA reports, NOCS, compliance reports (periodic summary/excess emissions).
- ▶ Provides search functions for reports received via CEDRI.
- ▶ Register for email notifications when reports are received in WebFIRE.

What Goals are in the WebFIRE Short-Term Win Charter?

- ▶ Modify the report search page to allow the user to specify multiple SCCs and FRS ID's, pollutants, test methods, control devices, and regulatory part and subparts when searching for performance test reports;
- ▶ Revise the search results page to allow users to select and download multiple reports of interest from their initial search; and
- ▶ Create a spreadsheet containing the data from the selected performance test report XML files.

What Enhancements Were Made to the Report Search Functions?

| Search Criteria for Performance Tests | Criteria Available to WebFIRE Users? | |
|--|--------------------------------------|---------------------------|
| | Current Functions | Enhanced Functions |
| Submission start/end dates | Yes | Yes |
| Source classification code (SCC) | Yes (single selection only) | Yes (multiple selections) |
| Facility name | Yes | Yes |
| Facility state (one or multiple selections) | Yes | Yes |
| Facility state (one or multiple selections) | Yes | Yes |
| Facility county (one or multiple selections) | Yes | Yes |
| Facility city | Yes | Yes |
| ZIP code | Yes | Yes |
| FRS ID | Yes (single selection only) | Yes (multiple selections) |
| Pollutant | No | Yes (multiple selections) |
| Control device | No | Yes (up to five devices) |
| Test method | No | Yes |
| Regulatory part | No | Yes (multiple selections) |
| Regulatory subpart | No | Yes (multiple selections) |

What Enhancements Were Made to the Report Download Functions?

- ▶ Bulk Downloads - Currently, WebFIRE users were able to download a single report at a time. With the enhancements, WebFIRE users can download multiple reports (air emissions reports, notifications of compliance status, and/or performance tests) at a time.
- ▶ CSV File Download - Users can also create a Comma Separated Value (CSV) file containing the information available in the Extensible Language Markup (XML) file for selected performance tests that were created with EPA's Electronic Reporting Tool (ERT).

How Does WebFIRE Package Reports for Bulk Downloading?

- ▶ WebFIRE creates Bulk zip files for each type of selected report (i.e., air emissions reports, performance tests, and notifications of compliance status).
- ▶ The Bulk zip files contain directories for each facility that include the selected reports and related attachments.
- ▶ Clicking on a zip file in the directory allows the user to view the report contained within that zip file.

How Does WebFIRE Package the CSV File?

- ▶ For selected performance tests that are contained WebFIRE, WebFIRE creates a single CSV file that includes the available information from the ERT XML files for:
 - ▶ Facility,
 - ▶ Sampling Location,
 - ▶ Pollutant,
 - ▶ Emissions,
 - ▶ Emission controls,
 - ▶ Process parameters, and
 - ▶ Applicable regulations.
- ▶ When downloaded, users can analyze the data contained in the CSV file.

What Data/Information Are Available in the CSV File?

Facility Information

- Name
- City
- State
- County
- ZIP code
- Latitude
- Longitude
- FRS ID
- AFS ID

Sampling Location Information

- Location name
- Permitted source name
- Permitted source ID
- Permit number
- Source Classification Code
- North American Industrial Classification Code
- Process description
- Duct diameter at sampling location
- Stack temperature
- Stack flow rate

What Data/Information Are Available in the CSV File (continued)?

Pollutant

- Pollutant name
- CAS number
- NEI pollutant code

Emissions

- Average value
- Test run value
- Units (e.g., lb)
- Measure (e.g., ton)
- Material (e.g., coal)
- Action (e.g., burned)
- Alternative emissions (lb/MMBtu CO₂)
- Alternative emissions (lb/MMBtu O₂)

Emission Controls

- Description of 1st control device (e.g., uncontrolled, afterburner)
- NEI control code for 1st device (e.g., 000, 112)
- Description of 2nd control device
- NEI control code for 2nd device
- Description of 3rd control device
- NEI control code for 3rd device
- Description of 4th control device
- NEI control code for 4th device
- Description of 5th control device
- NEI control code for 5th device

What Data/Information Are Available in the CSV File (continued)?

Process Parameters (linked to test run ID)

- Process parameter description (e.g., fuel input)
- Process parameter value (e.g., 10)
- Process parameter rate (e.g., gal/hr)

Regulatory Information

- Applicable regulation
- Regulation description
- Regulatory limit

What Data/Information Are Available in the CSV File (continued)?

| | | |
|--------------------------------|-----------------------|--|
| Test Method/ Report | • Purpose of test | • Mass units |
| | • Purpose comment | • Sampling train filter 1 temperature |
| | • Name of test method | • Sampling train filter 2 temperature |
| | • Method notes | • Detection limit flag |
| | • Date of test | • Details regarding detection limit flag |
| | • Test report rating | • Name of testing company |
| | • Test method mass A | • Test company project number |
| | • Test method mass B | • ERT reference |



Demonstration of Enhanced WebFIRE Report Search/Download Functions

When Will Updates be Available to the Public?

14

- ▶ Publically available in June or July depending on the need for NCC security review.
- ▶ WebFIRE Enhanced Report Search and Retrieval

Next Steps?

- ▶ Respond to comments (if any) received from the group.
- ▶ Work with EPA' ColdFusion group and NCC to deploy the final code changes to the WebFIRE production server.

Questions?

