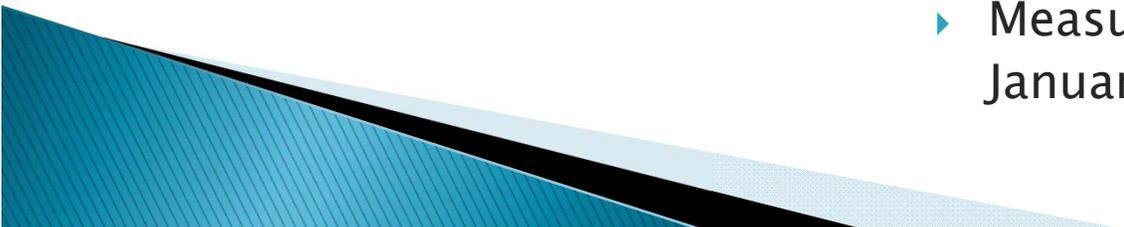


Electronic Reporting for Clean Air Act NSPS and NESHAP Regulations

- ▶ Measurement Technology Workshop,
January 29, 2013
- 

Major Milestones of E-reporting Program

- 2006 OIG Report *'EPA Can Improve Emissions Factors Development and Management'*
 - Lack of access to stack test reports was a major impediment in developing new/revised emissions factors
 - Committed to develop an electronic system to collect/compile these data
- First version of the Electronic Reporting Tool (ERT) was released in late 2006
- First rule to contain electronic reporting was NSPS for Coal Prep that was published in October, 2009
- E-reporting for MACT/NSPS program began on January 1, 2012



Benefits of E-reporting Program

- Reduces burden of existing paper-based reporting from regulated facilities
- Reduces the cost to industry and EPA of future section 114 Information Collection Requests
- Provides the public with quicker and easier access to emission information
- Provides for more streamlined and accurate state/local review of submitted reports
- Provides timely data to support regulation development, improve emission inventories and emission factors, and allow for improved compliance assurance

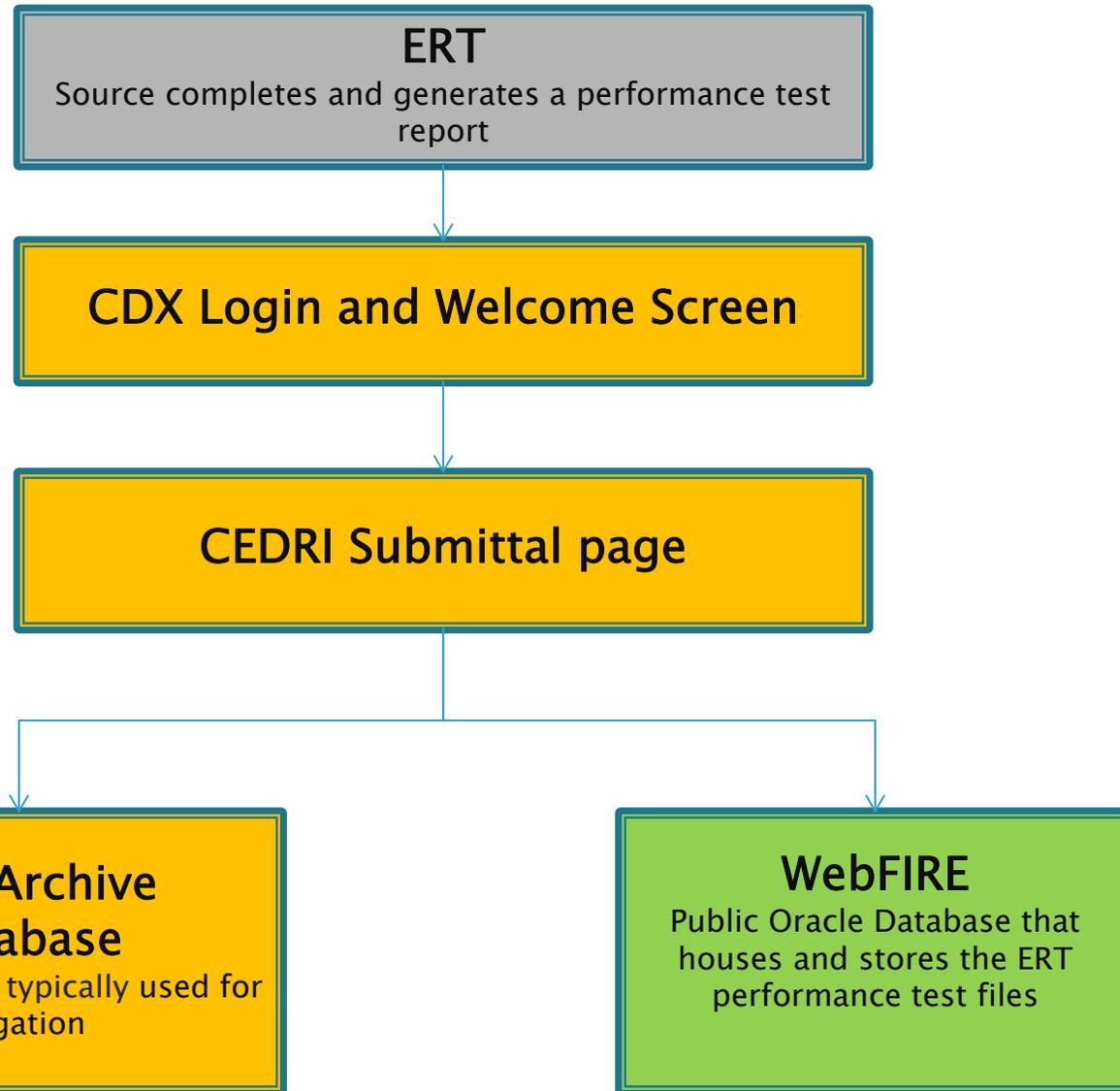
Phased Approach to E-reporting

- ▶ Phase 1 – As we revise regulations, we are requiring affected sources to electronically submit performance test data
 - The e-reporting of performance test reports is already required in 24 NSPS and NESHAPs affecting 20 source categories
- ▶ Phase 2 – We have expanded the information to be reported electronically to include compliance reports, in addition to the performance test reports required as part of Phase 1
 - E-reporting of these reports has been included in a few of our high priority new rules, such as MATS and Boiler MACT
- ▶ Phase 3 – We are developing a rulemaking, the Air Data Reporting Rule (ADRR), that will incorporate e-reporting in the majority of our NSPS rules

Data Flows

- ▶ Data are submitted by using the Compliance and Emissions Data Reporting Interface (CEDRI) on EPA's Central Data Exchange (CDX)
 - All submitted data are stored in both EPA's Central Data Exchange (CDX) and in WebFIRE
 - We are considering a holding period to allow for S/L review (before reports go public)
- ▶ Performance Test Results
 - Sources are required to submit performance test reports via the ERT
 - Only applies if the test method(s) are compatible with the ERT
 - Currently, over 75 stack test reports have been submitted to WebFIRE
- ▶ Compliance Reports
 - Compliance reports (excess emissions, summary reports) will be submitted by entering data into web-based reporting templates that are under development
 - Some reports (Notification of Compliance Status reports) will be pdf uploads

Current Data Flow for ERT Performance Test Reports



Next Steps

- ▶ Continue to improve the ERT
- ▶ Enhance WebFIRE to allow for storage and easy identification and retrieval of submitted reports
- ▶ Develop data flow for compliance reports
- ▶ Develop reporting templates for compliance reports
- ▶ Develop and publish the ADRR
- ▶ Develop links to other data systems (e.g., EIS, AFS) to allow for sharing of information



The ERT

ERT v 4 10/25/2011

ERT - Main Menu

Setup / Test Plan

- Test Plan
- Quick Jumps
 - SCC
 - Process Info
 - Locations/Methods

Test Data

- Run Data
- Process Data
- Tester Comments
- Attachments
- Report Signatures

Test Plan Review

- Test Plan Review
- Test Data Review
 - Observer Comments
 - Test Reviewer Comments
 - Test Review
 - QAQ's

Printed Reports

- Test Plan
- Test Plan Review
- Test Report/Data Tables
- Administration
 - Help / Sys. Reports

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

Current Project Data Set: C:\Devapps\ERT\ProjectData\EWS Example Data v3-1.mdb

Project Submittal History: Create ERT Submission Package File

Action	SubmitDate	SubmittedTo	SubmittedFr	Comment
Submit Test Plan	4/15/2005	NC Agency	MACTEC	1st Final
Approve Test Plan	5/14/2005	MACTEC	NC Agency	Approved
*				

Record: 1 of 2 No Filter Search

- ▶ ERT Webpage:
<http://www.epa.gov/ttnchie1/ert/index.html>
 - FAQs
 - How to install
 - Supported test methods
 - Regulations requiring the ERT
 - Training, Webinars, and User's Guide
- You can create a single database for evaluation and analysis of test data – save time vs. manually entering data into a spreadsheet

What's Going in the Regulations?

Sources must submit test reports using the ERT when performance testing is **required by the rule** and when **ERT-compatible method(s)** are used.

- ERT-compatible methods can be found on the ERT website.
- Confidential Business Information (CBI): Sources must mail a completed ERT file including the CBI on a compact disk to our CBI office. Sources are also required to submit an ERT file with the CBI omitted through the CDX.

The ERT & Source Classification Codes (SCC)

- SCCs are a required field in the ERT
- Used across the board for many applications
 - To report in EIS
 - To create risk modeling files for NESHAP rules
 - To link emissions factors to their corresponding emission process in Webfire
- OAQPS has an on-going project to update SCC
 - Includes internal (emissions inventory group) and NACAA review
 - Done in a piecemeal fashion – as regulations are finalized

Project Contact: Rachel Agnew

Air Data Reporting Rule (ADRR)

- ▶ Proposed rule would revise almost all of the parts 60 NSPS to require industry to e-report performance tests, notification of compliance status, compliance (summary & excess emissions) reports, and other similar reports to EPA
- ▶ Original intent was to include Parts 63 and 65, but recent decision was made to phase these in

Contact: Tom Driscoll

ADRR, cont'd

- In some NSPS and NESHAP, we will require e-reporting of other data and reports, such as CEMS/CPMS data summaries and fence-line monitoring data
- We are not proposing to revise all NSPS and NESHAP because some do not currently require any reporting, or have one-time only reporting
 - We work with OAQPS reg writers to improve reporting and add periodic testing requirements (including adding e-reporting) when these regs are reopened
- Expected proposal: May 2013. Promulgation 1 yr. later

WebFire – The Place to Go for Performance Tests & Emissions Factors

- ▶ <http://cfpub.epa.gov/webfire/>

The screenshot shows a web browser window displaying the EPA Technology Transfer Network WebFire search interface. The browser's address bar shows the URL `cfpub.epa.gov/webfire/index.cfm?action=fire.searchERTSubmission`. The page header includes the EPA logo and the text "U.S. ENVIRONMENTAL PROTECTION AGENCY". The main heading is "Technology Transfer Network Clearinghouse for Inventories & Emissions Factors". Below this, there is a search bar with a "Search:" label and radio buttons for "All EPA" and "This Area". A breadcrumb trail indicates the user's location: "EPA Home > Technology Transfer Network > Clearinghouse for Inventories & Emissions Factors > Emissions Factors and Policy Applications Center > Emissions Factors & AP 42 > WebFIRE > Search WebFIRE > ERT Search".

The "ERT Search" section contains a description: "The EPA's Electronic Reporting Tool (ERT) is a Microsoft Access® application that is an electronic alternative to the submittal of paper test plans, reports, and evaluations. The ERT allows the user to enter performance test information and data into an electronic database. [The ERT program and manual are available from the EPA website at http://www.epa.gov/ttn/chief/ert/index.html.](http://www.epa.gov/ttn/chief/ert/index.html)"

Below the description are two input fields for "Start Date (MM/DD/YYYY)" and "End Date (MM/DD/YYYY)", each with a "Submit Search" button. A "Reset" button is also present. A note states: "Start and End Date refer to a span of time that ERT files were submitted to EPA." At the bottom of the search area, there are links for "Office of Air Quality Planning & Standards | Technology Transfer Network Clearinghouse for Inventories & Emissions Factors | WebFIRE".

The footer of the page includes links for "EPA Home | Privacy and Security Notice | Contact Us", the current URL, a "Print As-Is" link, and the text "Last updated on Tuesday, November 19, 2012". The Windows taskbar at the bottom shows the "start" button and several open applications, including Spotify, E-reporting, Presentations, Technology, Overview of..., Microsoft..., and NVIDIA Control Panel, with the system clock showing 10:08 AM.

Future Capabilities of WebFire

- ▶ Develop new and revise existing emissions factors (EF) from ERT data, including ICR data, via the following:
 - Handling test data below method detection limits
 - Determining and removing statistical outliers
 - Assigning numerical quality ratings (to EF)
 - Statistical procedures for determining valid data combinations
 - Public participation/review



Future Capabilities of WebFire, cont'd

- Option to develop user-defined factors
- Email notifications when ERT data and compliance reports are submitted
- Search and retrieve compliance (notification of compliance, excess emissions and summary) reports



ERT Performance Test Review

- ▶ Third Party Review – In development
 - For State/Local agencies only
 - Goal is to make as easy and streamlined as possible
 - Review questions have been developed
 - Scoring would impact emissions factor ratings



Compliance Reports Submittal Website – In development

Central Data Exchange

[Contact Us](#)

- Facility Location
- Emission Point
- Emissions Summary
- Changes to CMS, Process or Controls

General Provisions: Facility Location

FRS ID ⓘ State Facility ID Number

Mailing Address

Facility Address

Longitude of Facility Latitude of Facility

[Next Page](#) [Save & Return to Package](#)

Last updated on May 10, 2012
URL: <https://sample.net>

Compliance Reports Submittal Website – cont'd

Central Data Exchange Contact Us

- Facility Location
- Emission Point
- Emissions Summary**
- Changes to CMS, Process or Controls

General Provisions: Emissions Summary

Pollutants/Parameters

Emission Limit Units Diluent (% oxygen) ?

Reporting Period Start Date Reporting Period End Date Total source operating time in reporting period * ?

Monitor Manufacturer Monitor Model No. Monitor Serial No.

Date of latest CMS certification/audit

Was there any excess emissions during the reporting period?
 Was there any CMS downtime during the reporting period?
 Were there any equipment malfunctions during the reporting period?

Last updated on May 10, 2012
URL: <https://sample.net>

Questions?

Contacts:

Electronic Reporting Tool (ERT): Rachel Agnew and Ron Myers

Source Classification Codes (SCC): Rachel Agnew

Webfire: Michael Ciolek

Air Data Reporting Rule: Tom Driscoll

Compliance Report Template Development: Colin Boswell

