Electronic Reporting: Who, How, Where, and Why?

OAQPS - MEASUREMENT POLICY GROUP

GERRI GARWOOD, STEFFAN JOHNSON, COLIN BOSWELL, AND MICHAEL CIOLEK

Measurement Technology Workshop
January 28, 2015

Topics for Discussion

- ▶ Overview of the Process
- ▶ Benefits of E-Reporting
- ▶ Rule Development
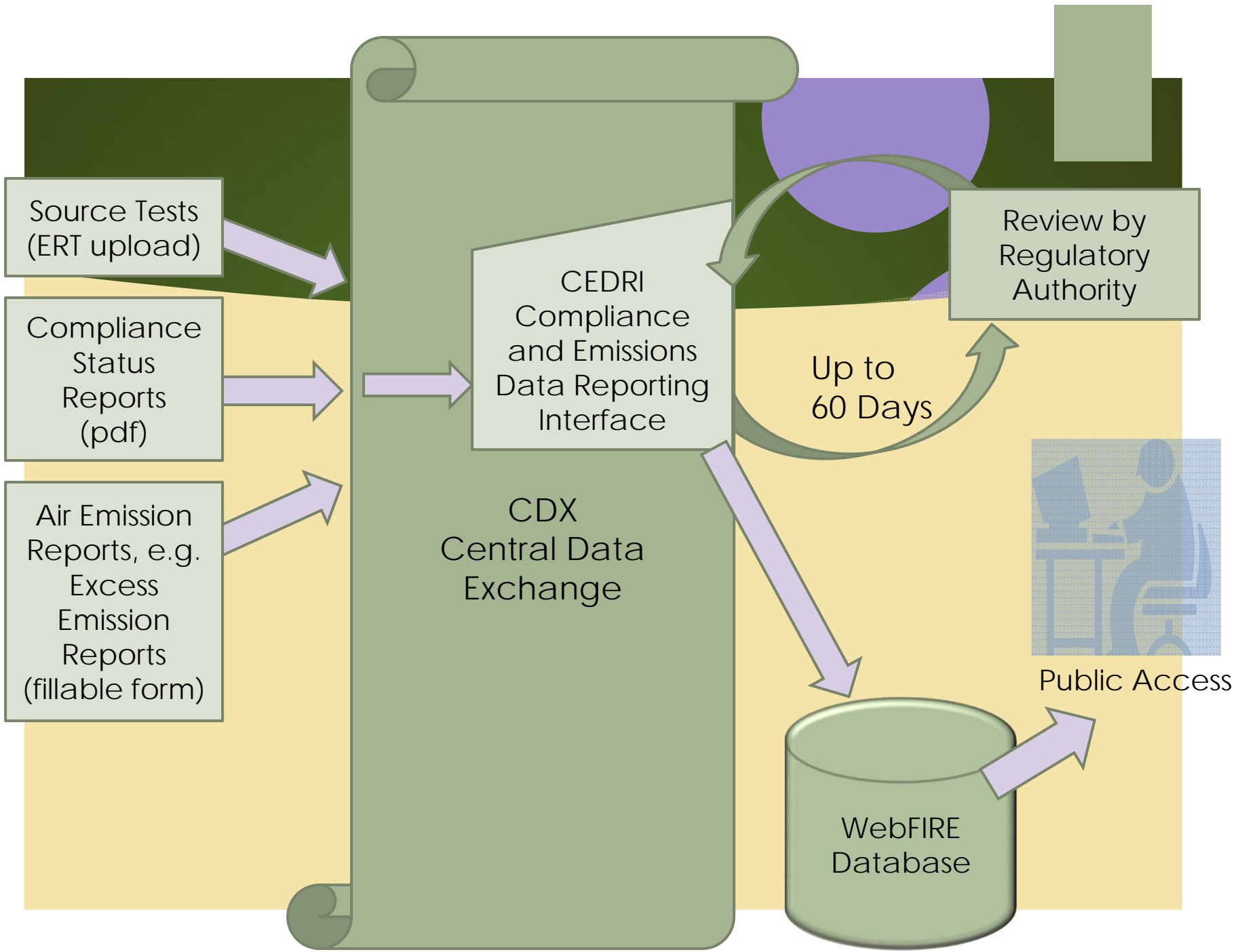- ▶ The ERT
- ▶ CEDRI
- ▶ WebFIRE
- ▶ Final Thoughts

CEDRI

ERT

AUGGHHH!
What does it all mean?

CdX WebFIRE

Why does EPA want this data?

▶ Emission factors revisions

▶ Emission inventory improvement

▶ MACT floor development

▶ Risk and technology review

▶ Detection limit review

▶ Control device assessment

▶ Data sharing

Other Benefits

- Some data will be stored in the system and not need to be entered more than once

- Report standardization
  - Quicker reviews
  - Required elements outlined
  - Imbedded QA checks

- Accessibility

- Federal repository
  - Includes data back-up
  - Reduces hardcopy storage needs

Where are we now?

- ERT
  - 35 Methods (in addition to Methods 1-4)
  - 3 Performance Specifications
- CEDRI available for report submission
  - ~25 sectors require ERT submissions
  - Some sectors require other reports
- >2700 submissions
  - Includes 460 performance test reports
- Reports searchable in WebFIRE
- New Emissions Factor Procedures
- Email notification for submissions

Where are we heading?

▶ Propose E-Reporting Rule for Part 60

▶ Develop E-Reporting Rule for Part 63

▶ ERT Improvements

▶ Further develop CEDRI reporting forms

▶ Develop schema for ERT and subpart specific reports

▶ Emission factor automation

▶ Enhance links to other EPA data systems

Rule Development

The Electronic Reporting and Recordkeeping Requirements for NSPS Rule

- ▶ Has undergone yet another name change

- ▶ Scope limited to Part 60

- ▶ General Provisions and approximately 75 subparts

- ▶ Signature expected soon

- ▶ Have started working on Part 63

What's in the rule?

- Covers the following reports
  - Stack tests and CEMS Performance Evaluations
  - Summary Reports and Excess Emission Reports
  - Notification of Compliance Reports
  - Subpart Specific Reports
- Report through CEDRI
- Must also report to the S/L/T office…unless the S/L/T accepts the electronic submission
- Do not have to report to EPA regional office
- Includes e-records in lieu of paper records

The ERT

ERT – Electronic Reporting Tool

▶ MS Access based

▶ Download:
http://www.epa.gov/ttn/chief/ert/index.html

▶ New Version 5 rolled out December, 2014

▶ Now accepts EPA Method 30B

▶ http://www.epa.gov/ttn/chief/ert/ert_info.html

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FILE **HOME** CREATE EXTERNAL DATA DATABASE TOOLS

View | Paste | Cut / Copy / Format Painter | Filter | Ascending / Descending / Advanced | Selection | Refresh / New / Save / Spelling | Find / Go To | Replace | B I U A

Views | Clipboard

frmMainMenu

Test Plan

Test Plan Title: * California Portland Cement Company   **Test Plan Date:** *   5/9/2013   Open Expanded ☐

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

? Facility Name: *
California Portland Cement Company

Address: *   9350 Oak Creek Road   **AFS Number:**

City: *   Mojave   **Industry NAICS:**   Search on the Web
State/Zip: *   CA ▾   93501-   **FRS:** *   110017431233   Search on the Web ?
County: *   Kern County ▾   **State ID:**

Contact: *   Mike Kirby   **? Latitude:**
Phone: *   661-824-2401   **Longitude:**
Fax: 661-824-4908
email: *   mkirby@calportland.com

? Testing Company: * Aeros Environmental, Inc.   Attach Test Company Certification

Address: *   18828 Highway 65   **Testing Company Project Number:**
                              080-8312

City: *   Bakersfield
State/Zip: *   CA ▾   93308-

Contact: *   Mike Gray   Attach Field Team Lead Certification
Phone: *   661-391-0112
Fax: 661-391-0153
email: *   mgray@aerosenvi.com   Next Page

(* required fields)

Setup / Test Plan

Test Plan

Quick Jumps

SCC

Process Info

Locations/Methods

Select Project Data Set | Create

Current Project Data Set: H:\RMYERS\CDX\ 146b16791 0f1\ 1/12/2015

Project Submittal History:

Action	SubmitDa
Submit Test Report ▾	9/3
*	

Record: 1 of 1

FILE | HOME | CREATE | EXTERNAL DATA | DATABASE TOOLS

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Views | Clipboard | Sort & Filter | Records | Find | Text Formatting

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Test Plan

Test Plan Title: California Portland Cement Company | **Test Plan Date:** 5/9/2013 | Open Expanded

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

Air Permit Number: EKAPCD 1003026N and NSR 4-4-8, SJ 78-73

Permitted State Source ID/Name: ARB 101029 | Kiln Baghouse, Roller Mill Off

Permitted Maximum Process Rate: N/A

Maximum Normal Operation Process Rate: 4200 tons/day of 175 tons/hr

Target Process Rate for Testing: 4200 tons/day or 175 tons/hr

Operational Hours Per Year: 7489

Source Classification Code:

Select SCC from list

SCC/Desc.: * 30500606 | Industrial Processes - Mineral Products - Cement Manufacturing (Dry Process) - Long Kiln

Target Parameter: Clinker Produced | **Process Rate:** Tons/hr

Pollutant Unit of Measure: Lb/hr

Target Parameter Description (if needed):

Previous Page | Next Page

(* required fields)

Setup / Test Plan

Test Plan

Quick Jumps

SCC

Process Info

Locations/Methods

Select Project Data Set

Current Project Data Set: | H:\R|
146b
1/12

Project Submittal Histo

Action
Submit Test Report
*

Record: 1 of 1

Test Plan

Test Plan Title: California Portland Cement Company   **Test Plan Date:** 5/9/2013

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)	📎(1)	
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	📎(2)	
Sampling Locations Dimensions and Point Locations	📎(1)	
Run Field Data Sheets	📎(1)	
Moisture Recovery	📎(1)	
Lab Data	📎(1)	
Chain-of-Custody	📎(1)	
Process Rates	📎(1)	
Observer Comments	📎(0)	
Documentation of competence as an AETB or QI for stationary source testing.	📎(0)	
Laboratory Accreditation Certification	📎(0)	
Field Notes	📎(0)	
Interference/Response Time/Converter Efficiency/Stratification Tests	📎(0)	
Process and APCD Monitor Calibrations	📎(0)	
Calibration Gas Certificates (Item 16)	📎(0)	
Results of audit sample analyses and Audit Provider evaluation reports	📎(0)	

Record: I◄ ◄ 1 of 24 ► ►I ►❋   🔽 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 compled 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 cpi

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[Finished]

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

Select Project Data Set | Create New Project Data Se

Current Project Data Set: H:\RMYERS\CDX-Dwnload\Californi
146b167910f1\California Portland C
1/12/2015

Project Submittal History:

Action	SubmitDate	SubmittedTo
Submit Test Report	9/3/2013	CEDRI
*		

Record: 1 of 1   No Filter   Sear

Run Data Details

Facility: California Portland Cement Company

Open Expanded ☐

Permitted Source ID/Description: ARB 101029 | Kiln Baghouse, Roller Mill Off

Select Location - Method: Kiln Roller Mill Off - Method 23 ▼

[Add New Run Data] [Delete Run Data]

Select Run: Method 23 - 1 ▼ [<] [>]

[Change Run Number] [Change Run Date]

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

Method:	RunNumber:	RunDate:
Method 23	1	6/18/2013

Sampling Train Parameters:

NetRunTime:	180
NetTravPts:	12
Dn:	0.24
Cp:	0.84
Y:	1.0013
Pb:	26.57
DeltaH:	1.13
Vm:	133.265
tm:	69.17
Vmstd:	118.61
Vlc:	275.2
Vwstd:	12.95
% I:	99.9

Stack Gas Parameters:

% H20:	9.84	Vs:	74.42
% H20sat:	100.00	Dstk:	126.5
Mfd:	0.9016	Dwdth:	
% CO2:	21.8	Dlngth:	
Dry Mole Fraction (1-BWS)		As:	87.279
% CO + N2:	70.8	Qsd:	183,186.9
Fo:	0.62	Qaw:	389,718.2
Md:	31.78	MMBtu/Hr:	
Ms:	30.42		
Pg:	-0.85		
Ps:	26.51	[View All Runs]
ts:	437.33	
DeltaPavg:	0.96520	

Note: Double click in fields to see the formulas

FILE | HOME | CREATE | EXTERNAL DATA | DATABASE TOOLS

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View | Paste | Cut | Copy | Format Painter

Filter | Ascending | Descending | Remove Sort | Selection | Advanced | Toggle Filter

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Printed Reports

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

Select the Report/Table to View or Export

Test Plan
Test Plan Review
Full Test Report (excludes RATA's)
Sampling Location Table
Test Parameters Table
Sampling/Stack Data Results Summary Table
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 | Save Proje

Current Project Data Set:
H:\RMYERS\CDX-Dwnload\California Portland Cement
146b167910f1\California Portland Cement Company_
1/12/2015

Project Submittal History:

Create ERT S

Action	SubmitDate	SubmittedTo	SubmittedFr		
Submit Test Report	9/3/2013	CEDRI	Mike Kirby		C:\Users\c QUALITY\
*					

Record: 1 of 1 | No Filter | Search

Test Report Review

Facility: California Portland Cement Company

Open Expanded

Permitted Source ID/Description: ARB 101029 | Kiln Baghouse, Roller Mill Off

Select Compounds to view: Show All Compounds

Average Emissions

Applicable State and Federal Regulations for this Test Report:

Regulation	Compound	Limit	Unit
40 CFR, Part 63, Subpart LLL	Total TEQ	0.2	ng/dscm corrected

Compound Emissions:

Location	Compound	Unit of Measure	Run1	Run2	Run3	Run Average	RegLimit
Kiln Roller Mill Off - Method 23	1,2,3,4,6,7,8-HpCDD	ng/dscm@7%O2	4.70E-03	3.95E-03	4.26E-03	4.30E-03	
Kiln Roller Mill Off - Method 23	1,2,3,4,6,7,8-HpCDD	lb/hr	3.13E-09	2.72E-09	2.39E-09	2.75E-09	
Kiln Roller Mill Off - Method 23	1,2,3,4,6,7,8-HpCDD	ppb	2.58E-07	2.19E-07	2.32E-07	2.36E-07	
Kiln Roller Mill Off - Method 23	1,2,3,4,6,7,8-HpCDD	ng/dscm	4.56E-03	3.86E-03	4.11E-03	4.18E-03	
Kiln Roller Mill Off - Method 23	1,2,3,4,6,7,8-HpCDF	ppb	1.92E-07	1.52E-07	1.27E-07	1.57E-07	
Kiln Roller Mill Off - Method 23	1,2,3,4,6,7,8-HpCDF	ng/dscm@7%O2	3.38E-03	2.65E-03	2.24E-03	2.76E-03	
Kiln Roller Mill Off - Method 23	1,2,3,4,6,7,8-HpCDF	ng/dscm	3.28E-03	2.59E-03	2.16E-03	2.68E-03	
Kiln Roller Mill Off - Method 23	1,2,3,4,6,7,8-HpCDF	lb/hr	2.25E-09	1.82E-09	1.26E-09	1.78E-09	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8,9-HpCDF	lb/hr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8,9-HpCDF	ng/dscm	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8,9-HpCDF	ng/dscm@7%O2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8,9-HpCDF	ppb	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8-HxCDD	lb/hr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8-HxCDD	ng/dscm	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8-HxCDD	ng/dscm@7%O2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8-HxCDD	ppb	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8-HxCDF	ng/dscm@7%O2	2.79E-03	0.00E+00	2.71E-03	1.83E-03	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8-HxCDF	ppb	1.74E-07	0.00E+00	1.67E-07	1.14E-07	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8-HxCDF	ng/dscm	2.71E-03	0.00E+00	2.61E-03	1.77E-03	
Kiln Roller Mill Off - Method 23	1,2,3,4,7,8-HxCDF	lb/hr	1.86E-09	0.00E+00	1.52E-09	1.13E-09	
Kiln Roller Mill Off - Method 23	1,2,3,6,7,8-HxCDD	ng/dscm	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,6,7,8-HxCDD	ng/dscm@7%O2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,6,7,8-HxCDD	ppb	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,6,7,8-HxCDD	lb/hr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,6,7,8-HxCDF	ng/dscm	0.00E+00	2.08E-03	2.08E-03	1.39E-03	
Kiln Roller Mill Off - Method 23	1,2,3,6,7,8-HxCDF	lb/hr	0.00E+00	1.47E-09	1.21E-09	8.93E-10	
Kiln Roller Mill Off - Method 23	1,2,3,6,7,8-HxCDF	ppb	0.00E+00	1.33E-07	1.33E-07	8.87E-08	
Kiln Roller Mill Off - Method 23	1,2,3,6,7,8-HxCDF	ng/dscm@7%O2	0.00E+00	2.13E-03	2.16E-03	1.43E-03	
Kiln Roller Mill Off - Method 23	1,2,3,7,8,9-HxCDD	ng/dscm@7%O2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,7,8,9-HxCDD	ppb	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Kiln Roller Mill Off - Method 23	1,2,3,7,8,9-HxCDD	lb/hr	0.00E+00	0.00E+00	0.00E+00	0.00E+00	

Record: Unfiltered | Search

Test Quality Questions

Quality Assessment Questions

☐ Open Expanded

| Completeness | Regulatory Review |

Note: ERT will answer the salmon colored Completeness questions with a "Yes" or "No" based on the response is provided in the applicable area or a file is attached in the applicable line. Clicking in the "Click to Show ERT Data" column will show the applicable area or attachment. Selecting the "Update Completeness Answers" button will refresh the answers based on any new content entered into ERT. The Completeness answers can only be changed by entering data into the applicable areas or adding attachments. Only the Source or Testing Company can add or edit data in the Project Data Set.

Update Completeness Answers

Question	Answer	Comment	Click to Show ERT Data
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	No		Review certificate
Is a description and drawing of test location provided?	Yes		(Test Plan Item 1 and/or Attachment) - Review dimensions and diagram.
Has a description of deviations from published test methods been provided, or is there a statement that deviations were not required to obtain data representative of typical facility operation?	Yes		(Test Plan Item 8 and Attachment) - Review test method documentation.
Is a full description of the process and the unit being tested (including installed controls) provided?	Yes		(Test Plan Item 7a & 7b & Attachment) - Review process documentation.
Has a detailed discussion of source operating conditions, air pollution control device operations and the representativeness of measurements made during the test been provided?	Yes		Review the source/testers Test Data Quality Assessment.
Were the operating parameters for the tested process unit and associated controls described and reported?	Yes		Review Process Run Data.
Is there an assessment of the validity, representativeness, achievement of DQO's and usability of the data?	Yes		Review the Tester's DQ assessment
Have field notes addressing issues that may influence data quality been provided?	No		Review Field Notes.
Have the following been included in the report: Dry Gas Meter (DGM) calibrations, pitot tuve and nozzle inspections?	Yes		Review calibration documentation.

Test Quality Questions

Quality Assessment Questions

☐ Open Expanded

| Completeness | Regulatory Review |

Reviewer's Name: [_____]   Review Date: [_____]

Regulatory Agency: [_____]

Reviewer's Email: [_____]

Reviewer's Phone: [_____]

Note: The answers and comments associated with the Completeness Questions (salmon shaded cells) are determined by the presence of documentation provided in the test report. Responses made by the applicable regulatory reviewer (rows with no shading of the Question field) will have precedence over automated responses made by the ERT in the Completeness assessment. Comments should be provided to substantiate any determination of sufficiency for the individual questions. The regulatory reviewer may not modify data in the Project Data Set, only anwser the questions and provide comments.

Include Completeness Questions ☐

Question	Answer	Comment	Click to Show ERT Data
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.			Review certificate
Was a representative of the regulatory agency on site during the test?			Review Regulatory Observer Comments.
Is a description and drawing of test location provided?			(Test Plan Item 1 and/or Attachment) - Review dimensions and diagram.
Is there documentation that the source or the test company sought and obtained approval for deviations from the published test method prior to conducting the test or that the tester's assertion that deviations were not required to obtain data representative of operations that are typical for the facility?			(Test Plan Item 8 and Attachment) - Review test method documentation.
Were all test method deviations acceptable?			(Test Plan Item 8 and Attachment) - Assess deviations and approval documents.
Is a full description of the process and the unit being tested (including installed controls) provided?			(Test Plan Item 7a & 7b & Attachment) - Review process documentation.
Has a detailed discussion of source operating conditions, air pollution control device operations and the representativeness of measurements made during the test been provided?			Review description of source operation, APCD operation and sampling for representativeness. (Process Run Data, APCD Run Data, Lab
Is there documentation that the required process monitors have been calibrated and that the calibration is acceptable?			Review process monitor calibration data & Tester DO

ERT – Future Features

▶ Functionality to record/assess cyclonic flow

▶ Method 2G and 2F

▶ Handle process based RATA results

▶ Add TEQ multipliers to M23

▶ Add multi-stack capability

CEDRI

CEDRI

- Supports "roles" for users
  - Preparer: Prepares reports for a certifier to sign and submit
  - Certifier: Prepares, edits, and reviews information as well as signs and submits information to the EPA
  - Preparers and Certifiers must be registered for the same organization in order to share reports
- Link with Facility Registry System (FRS)
  - Pre-populate already reported data to EPA and to update information
  - Can generate a new FRS ID if needed

CEDRI (cont.)

- Allows users to manage their facility profile under each organization for which they are registered
  - Contractors can be registered for multiple organizations for each one of their clients using the same login credentials.
  - No risk of seeing other client information when the organization approach is used
- Allows facilities to create templates for reporting
  - Streamlines process of submitting reports
  - Users can submit one report package
- Help E-mail: CEDRI@epa.gov

CEDRI Future Enhancements

► Bulk XML upload of data

  ► Users can submit data using a bulk XML data upload

  ► Would include the semi-annual compliance report and CEMS/CPMS data for the MATS rule

► Dynamic report creation

  ► Streamlined system for creating PDF report of information

► Responsive design (mobile device access)

CEDRI Future Enhancements (cont.)

- Enhanced State reviewer tool
  - Will included notification customization based on location and type of source.
- Link with the Emissions Inventory System
  - Goal is to pre-populate already reported data to EPA and to update information

WebFIRE

WebFIRE

- ▶ WebFIRE's Capabilities

- ▶ Recommended Procedures for Development of Emissions Factors and Use of the WebFIRE Database - **http://www.epa.gov/ttn/chief/efpac/procedures/index.html**

- ▶ Overview of deriving EPA emissions factors

WebFIRE Capabilities

▶ WebFIRE is EPA's online emissions factor retrieval, repository, and development tool.

▶ Repository for electronically submitted performance test reports, RATA reports, NOCS, compliance reports (summary/excess emissions)

▶ Provides search functions for reports received via CEDRI

▶ Register for email notifications when reports are received in WebFIRE

Applications Center

Basic Information

Emissions Factors / AP42

Emissions Factors & Estimation Tools

CHIEF Archives

WebFIRE Report Search and Retrieval

WebFIRE contains the following types of reports submitted by facilities to the EPA:

- Performance Test Reports
- Performance Evaluations: Relative Accuracy Test Audits (RATAs)
- Notification of Compliance Status Reports
- Air Emissions Reports, such as Summary Reports and Excess Emission Reports

WebFIRE allows you to search for report submissions and download the files of interest. To retrieve reports, enter your search criteria in the fields below. In specifying the state and county search criteria, you can make multiple selections by holding down the "Ctrl" key as you click on entries within a given search field. You can search for performance test reports in WebFIRE using partial or complete SCCs. If you use a partial SCC, you must specify the first six digits (first three SCC levels) in the search window. Do not use any wildcard characters (e.g., *) after the partial code (using wildcard characters will return 0 reports). At the results page for the report search, you will find instructions for viewing and downloading files.

Start Date	_____ (MM/DD/YYYY)
End Date	_____ (MM/DD/YYYY)

Start and End Date refer to a span of time that the files were submitted to EPA

Facility Name	_____
State	ALL / ALABAMA / ALASKA / AMERICAN SAMOA Control-Click for multiple selections
County	Control-Click for multiple selections
City	_____
Zip Code	_____
Report Type(s)	Performance Test Reports ▼
FRS ID	_____
SCC	_____

[Submit Search] [Reset]

Office of Air Quality Planning & Standards | Technology Transfer Network

Clearinghouse for Inventories & Emissions Factors | WebFIRE

Applications Center

Basic Information

Emissions Factors / AP42

Emissions Factors & Estimation Tools

CHIEF Archives

Registration for Email Notifications of WebFIRE Report Submissions

Completing and submitting the registration form below allows you to receive email notifications when compliance reports of interest to you are submitted to WebFIRE. After you fill out the registration form and click on the "Submit" button, you will receive a confirmation email stating that your registration account has been activated. If your registration information changes, you will need to unregister or use the link in the initial confirmation or subsequent notification emails and re-register using your current information. To discontinue the notification service, you must unregister or use the link contained in the notification emails.
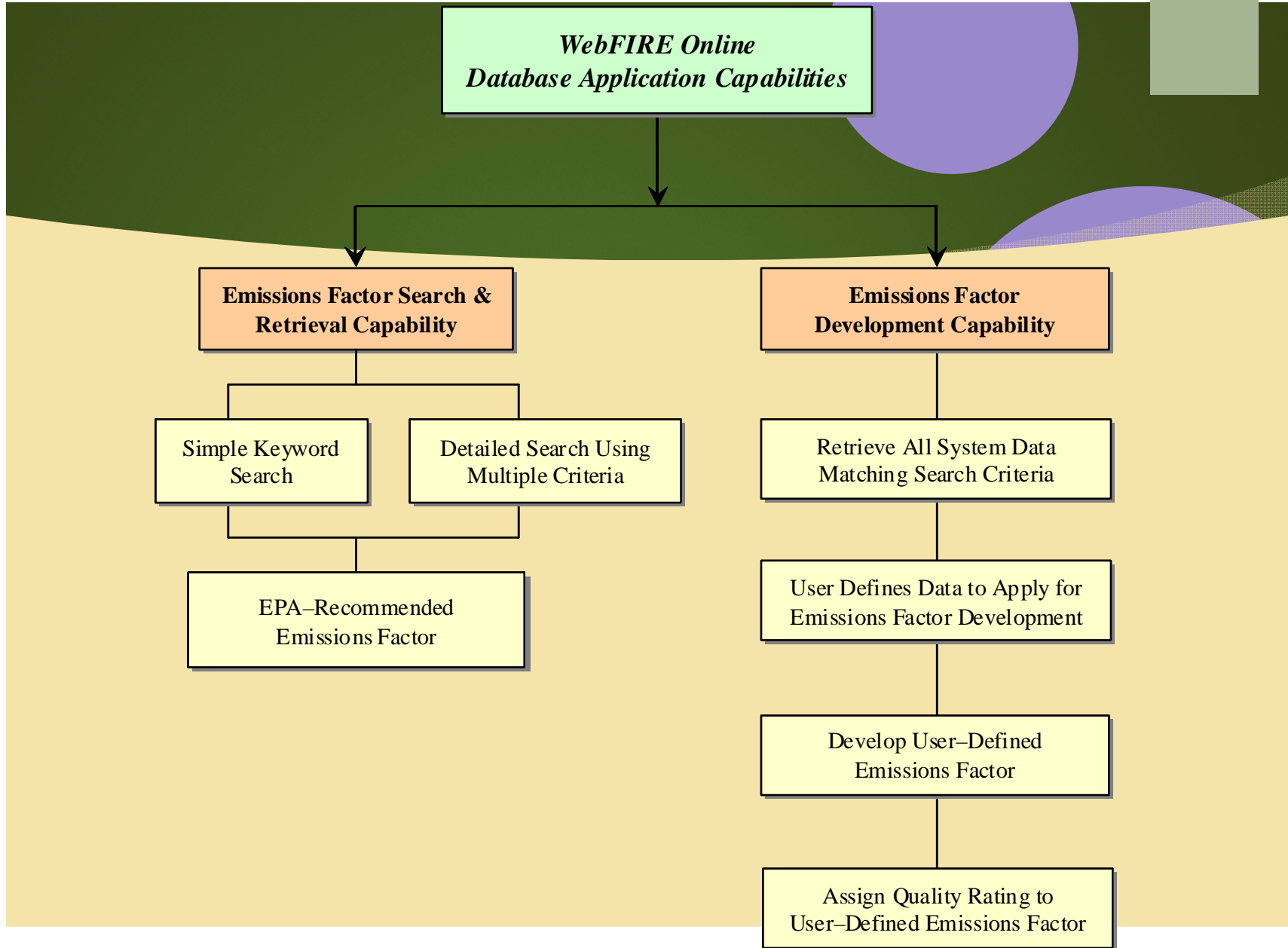
After you have registered, you will receive email notifications when WebFIRE receives a compliance report that meets your criteria for notification. The email notification will specify the type of report and associated facility name and contain a link to WebFIRE that will direct you to the web page where you can view or download the reports.

In specifying the geographic area of interest, you must select one or more entries under the "State of Interest" field. You can refine your area of interest by specifying one or more counties within a state(s); however, this county-level criterion is optional. The list of counties in the drop-down menu depends on the state(s) of interest that you select. Consequently, if you change your state selection after you choose your county(ies) of interest, you must re-select your county(ies) of interest. You must also specify the frequency at which you want to receive notifications. For example, if you select "Monthly" as the frequency, you will receive an email notification each month that lists all of the compliance reports that were submitted to WebFIRE during the previous month for your area of interest.

First Name*		(max. length is 50 characters)
Last Name*		(max. length is 50 characters)
Title		(max. length is 50 characters)
Organization		(max. length is 50 characters)
Phone		(xxx-xxx-xxxx)
Email Address*		(max. length is 50 characters)
Re-type Email Address*		(max. length is 50 characters)
State of Interest*	Select State / All / ALABAMA / ALASKA	Control-Click for multiple selections
County of Interest		Control-Click for multiple selections
Report Type(s)*	Performance Test Data / Air Emissions Reports / Notification of Compliance Status Reports	Control-Click for multiple selections
Frequency of	Select	

WebFIRE Emission Factor Overview

WebFIRE Online
Database Application Capabilities

Emissions Factor Search &
Retrieval Capability

Emissions Factor
Development Capability

Simple Keyword
Search

Detailed Search Using
Multiple Criteria

Retrieve All System Data
Matching Search Criteria

EPA–Recommended
Emissions Factor

User Defines Data to Apply for
Emissions Factor Development

Develop User–Defined
Emissions Factor

Assign Quality Rating to
User–Defined Emissions Factor

EPA's New EF Development Procedures

- Test data collected using the ERT or comparable spreadsheet
- ERT assigns quality rating to the individual test report
- ERT file or comparable spreadsheet submitted to WebFIRE via CEDRI
- Statistical procedures for determining if data is below the method detection limit (MDL)
- Statistical procedures for identifying and removing outliers
- Emission factor derivation and quality assessment
- Statistical procedures for identifying valid data combinations

Final Thoughts

- Electronic reporting is not the future; it's the now.

- Data Quality
  - Variety of purposes for data
  - Completeness
  - Detection limits

- State/Local Buy-in Importance
  - Electronic reporting as a whole
  - Reviewing test reports

Electronic Reporting Recap

- Who
  - ~25 sectors at the moment
  - Soon most NSPS sources
- How
  - ERT for performance tests and RATAs
  - PDF for NOCs
  - Fillable form for air emissions reports
- Where
  - CEDRI
- Why
  - It benefits everyone

Questions?

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