ICIS-Air
Electronic Data Transfer of Air Stationary Source Enforcement and Compliance Data

Integrated Compliance Information System

ICIS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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Presentation Outline

- **ICIS-Air Overview**

- ICIS-Air Electronic Data Transfer (EDT)

- Making the Exchange Network ICIS-Air EDT Data Flow a Reality

ICIS-Air Overview

Background

- Replacement for Air Facility System (AFS) on mainframe

- Hosted in ICIS as its Own Module Separate from NPDES

- Stores Air Stationary Source Compliance and Enforcement Data

- Populated Initially with AFS Migrated Data

- Submission of Data by State, Local and Tribal Agencies is Called "Electronic Data Transfer" or "EDT"

- Entry of Data Using ICIS-Air Web Form is called "Direct Data Entry"

ICIS-Air Overview

ICIS-Air User Community Anticipated Usage Patterns

- Electronic Data Transfer Submitters
  - 35 State Environmental Agencies
  - 6 Local Agencies

- Web Direct Data Entry Users
  - 10 EPA Regions
  - 15 State Environmental Agencies
  - 47 Local Agencies, Tribes and Territories

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ICIS-Air Electronic Data Transfer (EDT)

Planned Approach

◉ Five Major Data Families for Electronic Submissions:

- Facility Level
- Compliance Monitoring
- Enforcement Action
- Compliance Determination / Case File (formerly Alleged Violation File)
- Linkages

◉ Thirteen Different EDT XML Submission Files

- Air Facility / Air Program / Air Pollutant
- Compliance Monitoring (CM) / Stack Test Results / Title V Annual Certification (TVACC)
- Compliance Monitoring Strategy (CMS)
- Formal Enforcement Action / Informal Enforcement Action / Enforcement Action Milestones
- Compliance Determination / Case File
- Linkages

ICIS-Air Electronic Data Transfer (EDT)

Planned Approach

- Data Transfers via Exchange Network Infrastructure & Web Services to EPA's Central Data Exchange (CDX) on Behalf of ICIS-Air

- Integrated Project Team & Network Technology Board Oversight
  - State Co-Chair = Eddie Terrill (Oklahoma DEQ)

- Staff Can Submit Data via Manual Upload
  - Log into EN Services Center and use "Submit" Web Method for ICIS-Air

- Agency Can Electronically Submit Data via Their Node
  - EN's Submit, Notify, Get Status and Download Web Methods
  - Free ICIS-Air Plug-ins for Specific Nodes Under Development

ICIS-Air Electronic Data Transfer (EDT)

Planned Approach

◉ Re-use of ICIS Batch Processing Module

- XML submission parsing, processing, error detection and return of response files to submitter are media independent

- Functionality from existing data transfers of ICIS-NPDES across the Exchange Network can be re-used

◉ Major Enhancement to Existing ICIS-NPDES Batch Submittal and Response Schema

- Some ICIS-Air data is shared with ICIS-NPDES

ICIS-Air Electronic Data Transfer (EDT)

Planned Approach (continued)

- Node Plug-ins for ICIS-Air Developed Under EN Grants by Other States May be Available to State Partners for Free

- Investigating Possibility of Offering EPA's Virtual Node to Localities Unable to Host Their Own Node

- Updates to Existing ICIS Data Element Dictionary, Flow Configuration Document

- EDT User Guide Being Developed Specifically for ICIS-Air

ICIS-Air Electronic Data Transfer (EDT)

Milestones

⊙ Technical Specifications Available for ICIS-Air EDT Functionality

✓ Air Facility	**Jul 11, 2013**
✓ Air Program	**Jul 18, 2013**
✓ Air Pollutant	**Jul 19, 2013**
✓ Compliance Monitoring/Stack Test /TVACC – Del. Agency	**Sep 12, 2013**
✓ Comp Monitor Strategy	**Nov 6, 2013**
✓ Compliance Monitoring/Stack Test – Federal	**Nov 18, 2013**
✓ Formal Enforcement Action	**Feb 13, 2014**
✓ Informal Enforcement Action	**Mar 6, 2014**
✓ Compliance Determination/Case File	**Mar 24, 2014**
✓ Linkages	**Apr 29, 2014**
✓ Response Files (results in XML and PDF formats)	**May 16, 2014**

ICIS-Air Electronic Data Transfer (EDT)

Milestones (continued)

- Testing Windows for ICIS-Air EDT Functionality

  - Air Facility, Program, Pollutant Submissions — **Nov 25 – Feb 13**
  - Comp Monitor Strategy (CMS), Stack Test, Title V Annual Compliance Certification (TVACC) Submissions — **Mar 10 – Apr 28**
  - Enforcement Action Submissions — **May 12 – Jun 25**
  - Compliance Determination, Case File, Linkage Submissions — **Jul 14 – Jul 17**
  - User Validation Testing of All Data Family Submissions — **Aug 25 – Sep 8**
  - User Acceptance Testing of All Data Family Submissions — **Sep 22 – Oct 3**

- ICIS-Air Placed into Production – **October 27, 2014**

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Making ICIS-Air EDT a Reality

Proposed ICIS-Air Plug-Ins

- EN Plug-in Candidates for State Agencies with Nodes
  - EN-Node2 – enfoTech
  - OpenNode2 – Windsor Solutions

- EN Plug-in Candidate for EPA Regions, Tribes, Local Agencies, and State Agencies without Nodes
  - EN Virtual Node

Making ICIS-Air EDT a Reality

Exchange Network Grants

- Funding to states, federally recognized Indian tribes, and consortium of local environmental agencies to support the development of ICIS-Air data flow related activities
  - Proposed EN ICIS-Air plug-in development and/or pilot testing
  - Develop and test their own ICIS-Air plug-in and/or pilot test ICIS-Air schema

ICIS-Air Contact Information

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