

EPA AirHub Quarterly Webinar

August 19, 2026



New name, same partnership

Unified Platform Project
is now **EPA AirHub**.



Built with partners

State, local, and Tribal
input helps shape design,
testing, and release
decisions.



Delivered in phases

Current systems continue
until replacement
functionality is tested and
ready.

- Welcome and Overview
- Business Line Updates and Demos
 - Regulatory
 - Ambient
 - Emissions
- User Acceptance Testing (UAT) Process
- FAQs
- Looking Ahead – Engagement Opportunities
- Q&A

Why EPA AirHub Matters



TODAY

Separate systems create inefficiencies

Multiple individual submission paths, and different formats and workflows.

Redundant reporting of shared data and resulting inconsistencies lead to:

- Burden from manual reviews and rework.
- Difficulty in tracking status and connecting data.



EPA AirHub

One modern environment across three business lines



Regulatory



Emissions



Ambient

Simplified
Reporting

Better
Quality Data

Better
Connected
Information

Clear Data
Management

Scope: EPA AirHub includes air regulatory, emissions and ambient programs. Systems and programs addressing other aspects of air quality and other EPA programs are not included (*e.g.*, ICIS-Mod or ECHO).

Data Standards and Data Models



June 2026 – Present

- ✓ Initial Regulatory, Ambient, and Emissions Data Standards Artifacts shared with SLT users.
- ✓ Informational session co-hosted by AAPCA, NACAA, ECOS, and EPA to address questions and comments on the data standards and data models shared.
 - Presentation materials, including the meeting recording and FAQs from this session, will be available on the EPA AirHub website once it launches.
- ✓ EPA AirHub Project and Tiger Teams are currently reviewing all submitted comments and identifying updates, clarifications, and supporting materials
 - Common feedback themes include field mapping/crosswalks requests, submission methods, facility IDs, user roles / permissions, and migration of existing data

Thank you for your feedback!

We appreciate the thoughtful comments and perspectives shared. Your input is helping inform the continued development of EPA AirHub as we modernize EPA's air systems.

Data Standards and Data Models - FAQs



Q1: Are the data standards that were distributed the future reporting formats?

A1: No. These documents establish common terminology and data organization. Future reporting formats will be shared separately when applicable. We will provide a preview of the Ambient data formats in today's webinar. The data formats will be released for external partner review with comments due in September 2026.

Q2: Why are only portions of each business line represented in the data standards?

A2: The new EPA AirHub system is being developed iteratively. The June release focused on MVP use cases rather than the complete scope of functionality.

Q3: Will all future capabilities of the new system include Data Standards packages?

A3: No. EPA plans to publish data standards primarily when changes could affect exchanged data, reporting formats, or partner integrations. Capabilities that only involve online forms or internal system functionality may not require a separate data standards release.



Regulatory Business Line

Regulatory: First EPA AirHub Production Release



October 2026

SIP State Interface

User Acceptance Testing

February 2027

SIP EPA Interface +
Reports/Dashboards

User Acceptance Testing

May 2027

Production Release

Go live target

What the MVP includes:

- SIP State Interface.
- SIP EPA Interface.
- Reports and dashboards.

Allows EPA to decommission
the legacy SIP application.

How do we get there?

- ✓ Build common EPA AirHub features.
- ✓ Meet Agency user and data security and privacy requirements.
- ✓ Migrate legacy data.
- ✓ Successful user testing.

Partner Request: User testing of SIP workflows to tell EPA what works, what doesn't, and provide feedback before release.



Demo Overview:

- SIPs Homepage
- Submitting New, Supplemental, and Withdrawal Submissions
- State Activity Log
- Pending Submissions
- Submitted to EPA Submissions
- Searching / Sorting / Filtering

EPA AirHub is Responding to Your Feedback



WHAT WE HEARD



Vague error messages and forbidden character requirements



Needs to support larger files



Files of the same name get overwritten across different submissions



Email notifications are unreliable, and poorly targeted

WHAT WE ARE DOING



Error messages are clear and specific, including which characters are allowed in a submission name or file name.



File Upload limit increased to 2GB per file.



Users can upload and submit the same file multiple times as long as they are in different submissions.



Email notifications will be clear, specific, and will only notify appropriate user segments.

Regulatory Demo – SIPs State Interface



Presenter: Ben Pappalardo, Regulatory Product Designer

What will we be working on for the rest of 2026?

- Legacy MOSIAC S4S Data Migration
- Beta Release 1 – State Interface
- SIPs Public Dashboards
 - Area Designated Nonattainment and Maintenance Dashboard
 - Nonattainment & Maintenance Population Tool
 - Required State Implementation Plan Elements Dashboard
- Email Notifications

Note: Roadmap items represent the next iterations in our phased, use case-driven assembly line development approach.





Ambient Business Line

Ambient: Designing a Unified Experience for Ambient Data



August 19, 2026

**Future-State Ambient Data
Format**

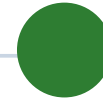
Shared for review



September 18, 2026

**Request for Partner
Comments**

Feedback due



2026–2027

**Functionality Demonstrations
+ User Testing**

Functionality as it develops



December 2027

**Ambient Initial
Release Target**

Initial release goal

Core MVP functionality:

- Monitoring Network Configuration.
- Data Submission via new file formats.
- Quality Control.
- View and Edit Data.

What comes afterwards?

- ✓ Audit Scheduling.
- ✓ Regulatory Requirements.
- ✓ AirNow integration.
- ✓ Additional ambient workflows.

Partner Request: Review the proposed Future State Data Format.

User testing and view/edit workflows throughout the build including data submission, error handling, and quality control.



Demo Overview:

- Format Standard will replace AQS transaction and AirNow AQCSV formats
- Describes the file formats and data specifications
- Covers ambient and QA data and metadata
- Submit data in CSV or JSON files

Received extensive feedback from:

- SLT, Tribal, and EPA Regions workgroups
- Data acquisition vendors and laboratories

Document schedule:

- August: Distribute for comment
- September: Comments due 9/18
- October: Publish Ambient Data Format Standard Version 1.0

EPA AirHub is Responding to Your Feedback



WHAT WE HEARD



The data upload and download format is clunky.



We need to work with Data Acquisition System companies to improve transaction preparation/submittal.



Need explanations of the Null/Qualifier code for state-to-state consistency.



It is difficult to correct AirNow data that is invalid.

WHAT WE ARE DOING



Consolidating the data format (Transaction formats) into a handful of formats and adding a modern format (e.g., JSON)



Frequently consulting with Data Acquisition System companies and laboratories on the future data format standard.



Reworking the codes to improve consistency and definition, plus removed overlapping codes.



Adding a bulk edit feature in the web application.

Ambient Demo – Overview of Data Format Standard



Presenter: Marcus Hylton



What will we be working on for the rest of 2026?

- Unique Equipment Data
- Equipment Feed Data
- Parameter Data
- Data Submission

Note: Roadmap items represent the next iterations in our phased, use case-driven assembly line development approach.





Emissions Business Line

Emissions: Building a Shared Foundation



Now

**Shared Facility Inventory+
ERT (Test Plans and RATA)**

Development underway



2026-2027

**Data Standards + Functionality
Demos + User Testing**

Facility and sub-facility
information



July 2027 target

Functionality programmed

Shared Facility Inventory and RATA



Next iterations

**Sub-facility + Remaining ERT
+ Other Systems**

Broader emissions workflows

What partners will see first:

- Shared facility inventory (facility level only) that supports emissions inventory and compliance reporting.
- Test Plan and RATA functionality from the Electronic Reporting Tool (ERT).

What does not change yet?

- ✓ Existing emissions reporting applications (ERT, CEDRI, CAERS, or EIS) are not being replaced as part of the July 2027 milestone.

Partner Request: Opportunity to review facility (and sub-facility) data standards, get updates and functionality demos (quarterly webinars). User testing of Shared Facility Inventory functionality, Test Plans and Relative Accuracy Test Audit (RATA) functionality.



Demo Overview:

- Facility search
- Create and edit a facility site (no sub-facility components)
- Add to "My facilities"
- Request to merge duplicate facilities

EPA AirHub is Responding to Your Feedback



WHAT WE HEARD



Facility search does not return expected results



Conflicting facility data across programs and systems



Facility information duplicated across various systems



Facility merge confusion and communication break down between EPA and SLTs

WHAT WE ARE DOING



Flexible universal search with filtering by data field within the results table



Shared facility inventory with alternate IDs from other systems and programs. Consolidated and aggregated data fields needed for all programs



Ability to identify and merge potential duplicate facilities across programs in scope for EPA AirHub



Clear merge request flow and EPA merge review process with ability to add comments

Emissions Demo – Facility Site



Presenter: Julie Pitts

What will we be working on for the rest of 2026?

- Polishing the functionality shown today
- RATA scope for ERT with light UI functionality
 - Support uploading Test Plan and Run data as Templates
 - Export of RATA worksheet as output for first release
- Facility data merging and approvals functionality
- Data syncing from FRS and EIS systems
- Change log / audit logging

Note: Roadmap items represent the next iterations in our phased, use case-driven assembly line development approach.





User Acceptance Testing (UAT)

How Partner Testing Will Work



1

User Acceptance Testing

A focused group performs real tasks using structured test cases.

2

EPA Refines

Feedback is prioritized and used to improve workflows, data handling, and guidance.

3

Beta Testing

A broader group explores and provides feedback on the complete MVP.

4

Implementation Readiness

Training and user support are provided before the MVP is released.

First major use: SIPs State Interface User Acceptance Testing in October 2026.

Intent: Test real workflows early enough to make changes before release.

Review → Demonstrate → Test → Refine → Validate → Implement



Frequently Asked Questions

Q1: Why is the Unified Platform being renamed EPA AirHub, and does the name change affect the project's scope, functionality, or implementation plans?

A1: EPA AirHub is the new name for the Unified Platform. The rebrand does not change the project's overall goals or planned functionality; development and stakeholder engagement will continue as planned under the EPA AirHub name.

Q2: Will my existing data submissions change?

A2: Not necessarily. Many capabilities of the new system will continue using online forms with little or no change to the information being collected. When new exchange formats or reporting requirements are proposed, EPA will engage stakeholders before implementation.

Q3: Will EPA continue involving state, local, and Tribal partners throughout development?

A3: Yes. External engagement is a core principle of EPA AirHub Project. EPA will continue engaging stakeholders throughout discovery, design, build, testing, and implementation to ensure the platform reflects operational needs and reduces reporting burden.



Looking Ahead – Engagement Opportunities

Opportunities to Engage



1

September 18, 2026

Ambient Data Format

Comments requested

2

September 17, 2026

Emissions Business Line

First quarterly public
webinar

3

October 2026

Regulatory Business Line

SIPs State Interface User
Acceptance Testing

4

November 18, 2026

EPA AirHub

Next quarterly webinar

Stay informed at www.epa.gov/EPAAirHub

The site will provide schedules, materials, engagement opportunities, and project updates once launched.

Questions • Comments • Feedback
up@epa.gov

Questions



If you have questions, contact
the EPA AirHub project team at:
UP@epa.gov

