E-ENTERPRISE
for the environment

Modernizing the business of environmental protection

PROJECT SUMMARY

Facility data lie at the core of all environmental regulatory processes. Linked to other critical environmental data such as hazardous waste, air, and water quality, well-managed facility data have the capacity to provide a comprehensive picture of environmental sites that enables co-regulators to better understand potential environmental impacts.

The E-Enterprise Facility Integration Project developed shared services that can connect various sources of regulated facility information to streamline reporting and yield more accurate, timely facility information.

PROJECT LEADS

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RESOURCES

- Shared Services
- Implementation Guide
- Pilot Lessons Learned
- Facility Business Rules (version 1.0)
- Facility User Stories
- Facility Data Integration Discovery and Analysis

FACILITY INTEGRATION USING SHARED SERVICES

Bridging federal, state, local, and tribal sources of facility data for better information

Challenge

As federal, state, and tribal environmental programs have evolved over the years, separate and mostly unconnected facility data management systems have been developed to meet the needs of individual programs. The result is that any one data system has only partial information about all the environmental interests at a given facility site; across these systems information about the facility name, owner, location, boundaries, address, and site activities can be different, out-of-date, unsynchronized, and redundant. This situation can exist even within a single program office.

This makes it extremely difficult for the regulated community and consumers of this information to obtain an accurate picture of environmental issues and regulatory actions without having to contact multiple program offices. The E-Enterprise Facility Team aims to efficiently integrate the information in these disconnected systems to generate and maintain a complete, up-to-date picture of facility sites that users can find in one place, without disrupting existing data collection and management systems.

Benefits

An integrated facility identification approach will support regulatory burden reduction, cross-program coordination, and the ability to correct data as it is reported. It can also:
- Streamline processes for regulators.
- Facilitate broader agency and public understanding of facilities.
- Reduce the duplicative reporting burden for the regulated community.
- Streamline regulated community data collection and reporting.
- Provide the regulated community, regulators, and the public more accurate and timely facility data.

Accomplishments

The E-Enterprise Facility Integration Project has launched a suite of shared facility services available for broader adoption by co-regulatory partners. The services will enable partners to "push" (submit) facility data from their systems into a program record within the EPA facility system, Facility Registry Service (FRS), and to query facility data in real time from FRS. The facility services can enable real-time sharing of facility information between partners' systems and FRS.

What's Next?

Project leads will continue to coordinate with states, tribes, and local governments looking to implement new facility shared services through Exchange Network grants. Interested states, tribes, local governments, and EPA program offices should contact the project leads. States or local governments can also contact ECOS.