



Facility Registry System (FRS)

*Moving towards e-Government to improve our
business practices and the management of
environmental information.*



Pat Garvey, EPA, OEI

Background

The WHY and WHAT of FRS



WHY?

- ❖ Need for data integration
- ❖ Complete, high quality information
- ❖ Authoritative source that is comprehensive, accessible, documented, and timely

WHAT?

It is not just a NAME!

It is all the Key Identifiers:

- ❖ Name and Location
- ❖ Contact and Organization
- ❖ Program Identifiers and Industry Codes
- ❖ Other key informational elements
(HUC, Tribal Lands, Federal Facilities, Mailing Address)

Progress To Date

March 2003

❖ 1,155,974 unique records linking to 1,653,475 program interests from:

- ◆ TRI
- ◆ PCS-Majors & Minors
- ◆ RADInfo
- ◆ AIRS/AQS
- ◆ RCRAInfo
- ◆ AIRS
- ◆ CERCLIS
- ◆ ICIS (Docket)
- ◆ SDWIS
- ◆ RMP
- ◆ States
- ◆ BRS
- ◆ NCDB
- ◆ CAMDBS

❖ State exchanges from:

- ◆ Pennsylvania
- ◆ Indiana
- ◆ California (Solid Waste Program)
- ◆ South Carolina
- ◆ Ohio
- ◆ Hawaii
- ◆ Mississippi
- ◆ Nebraska
- ◆ Oregon
- ◆ Utah
- ◆ Maryland
- ◆ Georgia
- ◆ Minnesota
- ◆ North Carolina (To:)



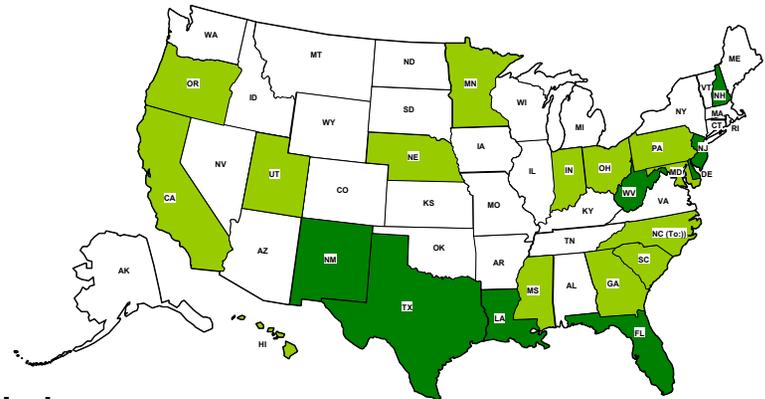
Future Progress

❖ Population:

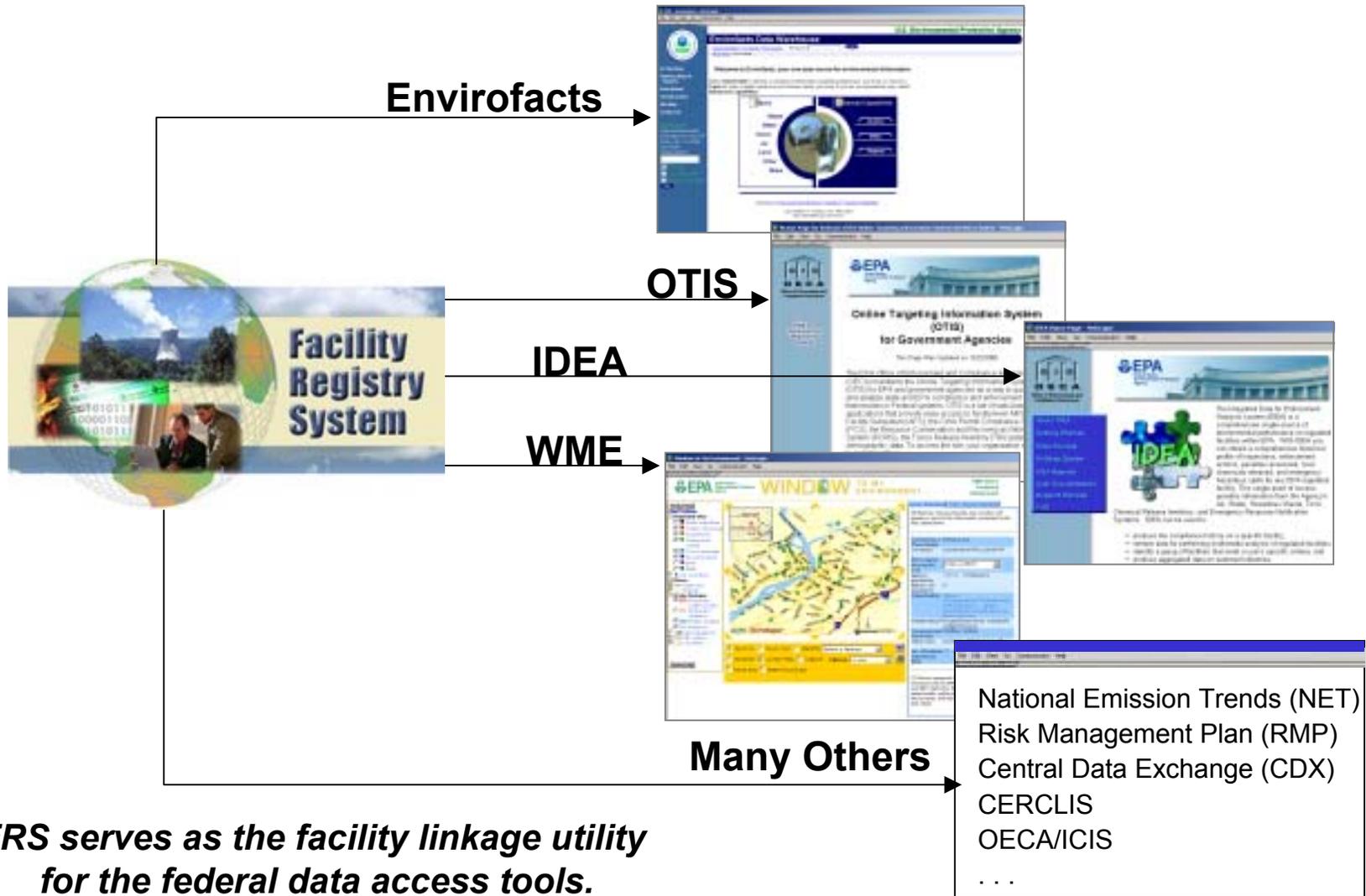
- ◆ ERAMS
- ◆ NEI 1999

❖ State exchanges from:

- ◆ Louisiana
- ◆ New Jersey
- ◆ New Hampshire
- ◆ New Mexico
- ◆ Delaware
- ◆ Texas
- ◆ Florida
- ◆ West Virginia



How FRS is Being Used



Critical Areas for Coordination with Partners

- ❖ Trading Partner Agreement (TPA)
- ❖ Data models – Data standards
- ❖ Program environmental areas
- ❖ Data quality reconciliation
- ❖ Data validation

TPA Components

- ❖ Data to be exchanged and method of transfer
- ❖ Mapping program and data elements
- ❖ Schedule, security
- ❖ Data reconciliation
- ❖ Key liaison contacts

TRADING PARTNER AGREEMENT

Between the Nebraska Department of Environmental Quality hereinafter referred to as NDEQ and the U.S. Environmental Protection Agency Region VII acting as a representative for the U.S. Environmental Protection Agency and hereinafter referred to as EPA for their participation in sharing data as part of the Facility Identification Integration Activities. The use of the term Agency will refer to both partners.

I. PURPOSE

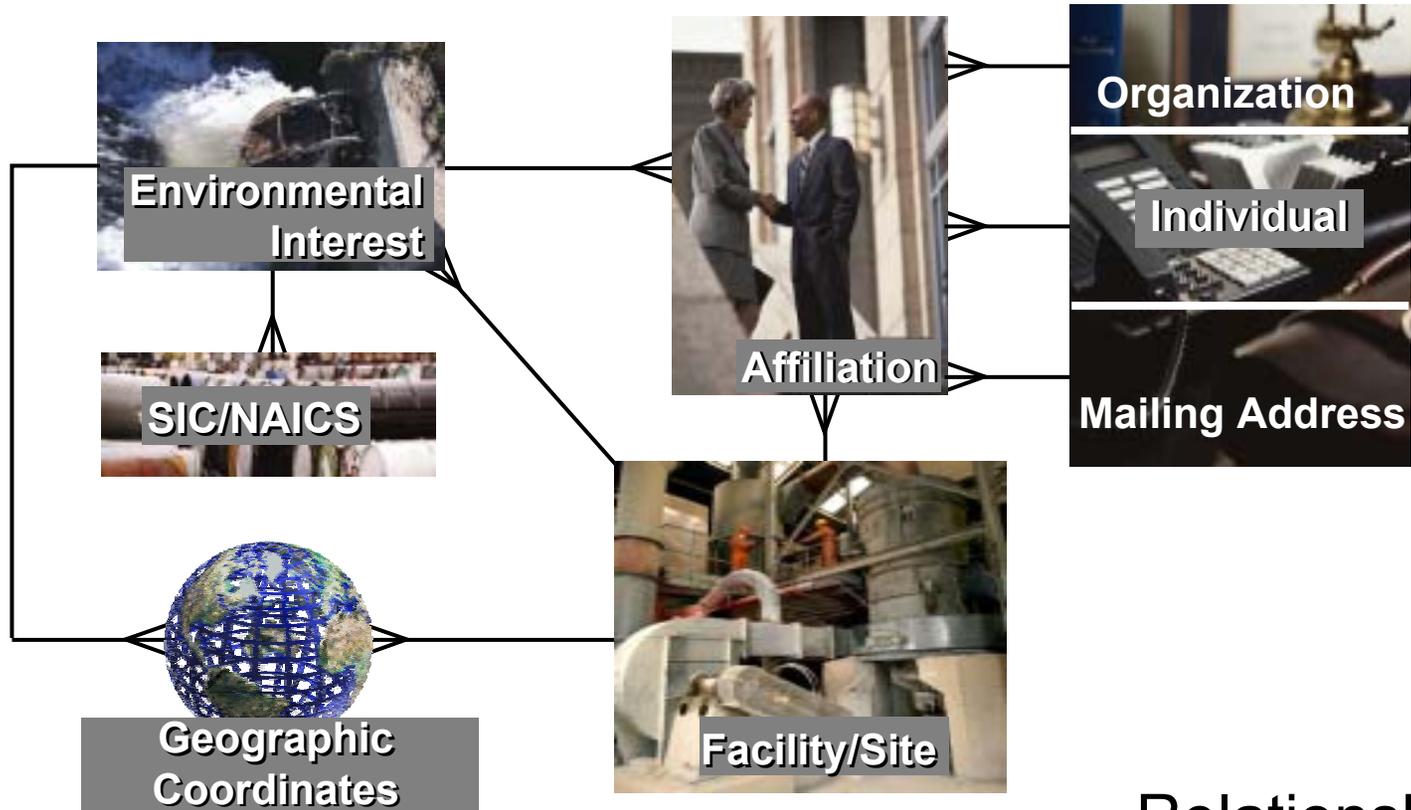
The purpose of this Trading Partner Agreement (TPA) is to identify the activities that NDEQ and EPA will undertake as partners of the Facility Identification Integration Activities. As partners, each will work cooperatively to implement an exchange of facility identification data pertaining to Nebraska sites/facilities for incorporation into the Nebraska Integrated Information System(IIS) and the EPA Facility Registry System(FRS). Each partner will provide internet access to the data, making it available for use by each partner, businesses, interest groups, and the public in general.

II. BACKGROUND

The partners represent Federal and State Government whose responsibilities in general are for the protection of the environment. As part of their responsibilities, the partners collect and maintain data to support their agency's environmental program interest activities. The consistent identification of facilities within each agency and between agencies is key to the proper use of other data collected by agency environmental programs. It ensures that NDEQ and EPA recognize the same universe of regulated facilities in Nebraska and how these facilities relate to environmental program interests, and their associated data.



High Level Data Model



Relationship:
many \Rightarrow one

FRS Models Nine Data Standards

- ❖ Date
- ❖ SIC/NAICS
- ❖ Facility Identification
- ❖ Latitude/Longitude
- ❖ Tribal Identifier
- ❖ Contact
- ❖ Federal Facility Identification (proposed)
- ❖ Permitting (partial)
- ❖ Environmental Interest (future)

Example of EDR Standard

www.epa.gov/edr/

EPA Final Standards

The following data standards have been adopted by the EPA for use by Agency program offices. Specific usage and implementation information is in the EPA Business Rules associated with each final data standard. For each data standard there are data element lists and related metadata documents such as EPA Business Rules and implementation fact sheets describing how a data standard is to be used by Agency programs. In addition, EPA business rules, and data elements are available for viewing and downloading in accessible formats. The final standards and associated metadata are also available in export, preformatted file formats for easy download and use.

- Biological Toxins (Final)**
 - Biological Toxins Data Element List
 - Biological Toxins Download Files
 - Biological Toxins Standard and Business Rule Documents
 - Biological Toxins Implementation Fact Sheet (.pdf)
- Chemical Identification (Final)**
 - Chemical Identification Data Element List
 - Chemical Identification Download Files
 - Chemical Identification Standard and Business Rule Documents
 - Chemical Identification Implementation Fact Sheet (.pdf)
- Data (Final)**
 - Data Data Element List
 - Data Download Files
 - Data Standard and Business Rule Documents
 - Data Implementation Fact Sheet (.pdf)
- Enforcement/Compliance (Final)**
 - Enforcement/Compliance Data Element List
 - Enforcement/Compliance Download Files
 - Enforcement/Compliance Standard and Business Rule Documents
 - Enforcement/Compliance Implementation Fact Sheet (.pdf)
- Facility Identification (Final)**
 - Facility Identification Data Element List
 - Facility Identification Download Files
 - Facility Identification Standard and Business Rule Documents
 - Facility Identification Implementation Fact Sheet (.pdf)

Additional EPA Data Standards

- Additional EPA Data Standards Data Elements
- Additional EPA Data Standards Download Files
- Additional EPA Data Standards Standard and Business Rule Documents
- Additional EPA Data Standards Implementation Fact Sheet (.pdf)

The **Implementation Standards** page provides assistance to users in implementing the above data standards to standards. Program systems may only apply to a data standard conforming to the **Standard Conference Status** of Information Collection Data Standards Business Rules.

Environmental Data Registry

Facility Identification (Final)

Definition: The Facility Identification Data Standard consists of core data elements that properly identify the location, the affiliated organizations, individual business activities, and the environmental interest of a facility site.

Identifier: 1-1000-1

Acronym: FACID001

Abstract: This standard provides guidance to those developing information management systems that manage facility data and to Exchange Network Partners who wish to exchange facility identification information. The Facility Identification Data Standard was developed by a State/US EPA Action Team chartered by the EOCG/State-US EPA Information Management Workgroup as part of the Agency's plan to improve environmental information. With the approval of this standard, the U.S. EPA is taking a step forward in standardizing the collection of identification information related to regulated facilities and facilitating public access to that data. The locational component of this standard has been developed under a separate Latitude/Longitude Data Standard. The business classification component of this data standard was developed under a separate SIC/NACE Data Standard.

Origin: Final Facility Identification Data Standard

Explanatory Comment: This State/US EPA data standard for use by Exchange Network Partners was approved by the Environmental Data Standards Council on May 20, 2000 and by the U.S. Environmental Protection Agency (EPA) on November 27, 2000.

Administrative Note: Examples of allowable values are available in the Final Facility Identification Data Standard. These are not intended to be a complete list of values.

Change Note: Because was posted in the registry on 12/11/2000.

Detailed Report: [View](#)

Data Steward: [See Howard McCray, U.S. Environmental Protection Agency](#)

Components: [Data Elements](#)
[Data Groups](#)

Facility Identification: Data Element List

Click on a name to obtain detailed information. The opportunity applies to usage in the information source (the opportunity given in EPA Data Standards applies only in EPA application systems).

Select/Unselect the Compare box to include/exclude as many data elements in your Comparison Matrix as desired. Press between selections to allow the system to process your request and pass it to the matrix. Each selection will favor/unselect the Data Element Comparison Matrix section of your browser. The matrix window can be minimized to allow you to return to the Data Element List page and select additional data elements.

If additional searches are conducted that return previously selected data elements, they will display with check marks on the Data Element List page, and will display in the matrix window unless the Clear All button is selected.

To go to a particular item in a list, enter the list item number into the Go to Record box and select the Jump button. The list will return with the selected item at the top of the list. If the list item number entered is outside the current list range, nothing will be displayed.

Go to Record:

Name	Definition	Type	Status	Component?
Address Type 1-2000-1	The name that describes the locality or location that an organization or individual carries for a facility site.	Alphanumeric (20)	Standard/Final	<input type="checkbox"/>
Country Name 1-1-1	The name that represents a primary geographical unit of the world.	Alphanumeric (34)	Standard/Final	<input type="checkbox"/>
County Name 1-02000-1	The name of the U.S. county or county equivalent in which the facility site is physically located.	Alphanumeric (35)	Standard/Final	<input type="checkbox"/>
County and State FIPS Code 1-11-1	The code that represents the county or county equivalent and the state or state equivalent of the United States.	Alphanumeric (6)	Standard/Final	<input type="checkbox"/>

Program Environmental Areas

Mapping federal programs and categories to state program areas

State Program

- ❖ Hazardous Waste
- ❖ NPDES Permit
- ❖ Compost Site
Landfill

Federal Program

- ❖ LQG, TSD,
SQG, CESQG
- ❖ NPDES – Major
NPDES - Minor
- ❖ None

Program Category

- ❖ Hazardous Waste
- ❖ Waste Water
- ❖ Solid Waste

Data Quality

- ❖ Use of reference tables for data consistency
 - ◆ ZIP Codes, Counties, City
- ❖ Data standards
 - ◆ Use of EPA's EDR (www.epa.gov/edr) for data element description and valid values (PO Box # is not a locational data value)
- ❖ Data steward network

Challenges

- ❖ Conformance to data standards
- ❖ Consistency in the national database population
- ❖ Data quality
- ❖ Data gaps
- ❖ Feedback to system owners



We Want
You
(and your data!!)



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