



Facility Linkage Application Secondary Data Steward Guide

March 10, 2022

Data Steward Switchboard



- [Accessing FLA](#)
- [How to search in FLA](#)
- [Understanding Registry Details](#)
- [Merging Registry-level Facilities](#)
- [Editing Registry-level Facilities](#)
- [Relinking Program-level Facilities](#)
- [Understanding Registry-level Best Pick](#)
- [Modifying a Facility's Best Pick Location](#)
- [Review Secondary Data Steward Submissions](#)
- [Viewing Primary Stewards in Your Region](#)
- [Generating Reports](#)
- [FLA Tips](#)

Note: Alt + click links above to go to section in training



FRS OVERVIEW



- Facility Registry Service (www.epa.gov/frs)
- FRS integrates facility data from dozens of data sources including:
 - EPA program systems
 - State and Tribal data systems
 - Other Federal Datasets
 - Reference Datasets
- Integrated facility information is provided for public viewing via queries and in other EPA platforms such as Envirofacts and ECHO.

A screenshot of the EPA Facility Registry Service (FRS) website. The page features the EPA logo and navigation menu at the top. The main heading is "Facility Registry Service (FRS)", followed by a descriptive paragraph. Below this, there are two columns: "Search Data" with a magnifying glass icon and a list of links (FRS Query, EZ Query, FRS REST Services, Geospatial Data Download Service, MyProperty), and "Technical Resources" with a server rack icon and a list of links (Data Model, Data Sources, Documentation, Geospatial Overview, System of Registries, Web Services and Downloads). On the right side, there is a "CONTACT US" link, a search box for ZIP codes, and an "FRS Contacts" section with the email address FRS_Support@epa.gov.

What is FRS?

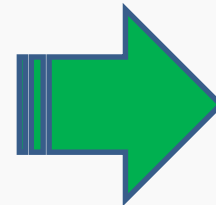


- FRS provides robust, complete view of facility information facilitating cross-media analyses.



Facility Information

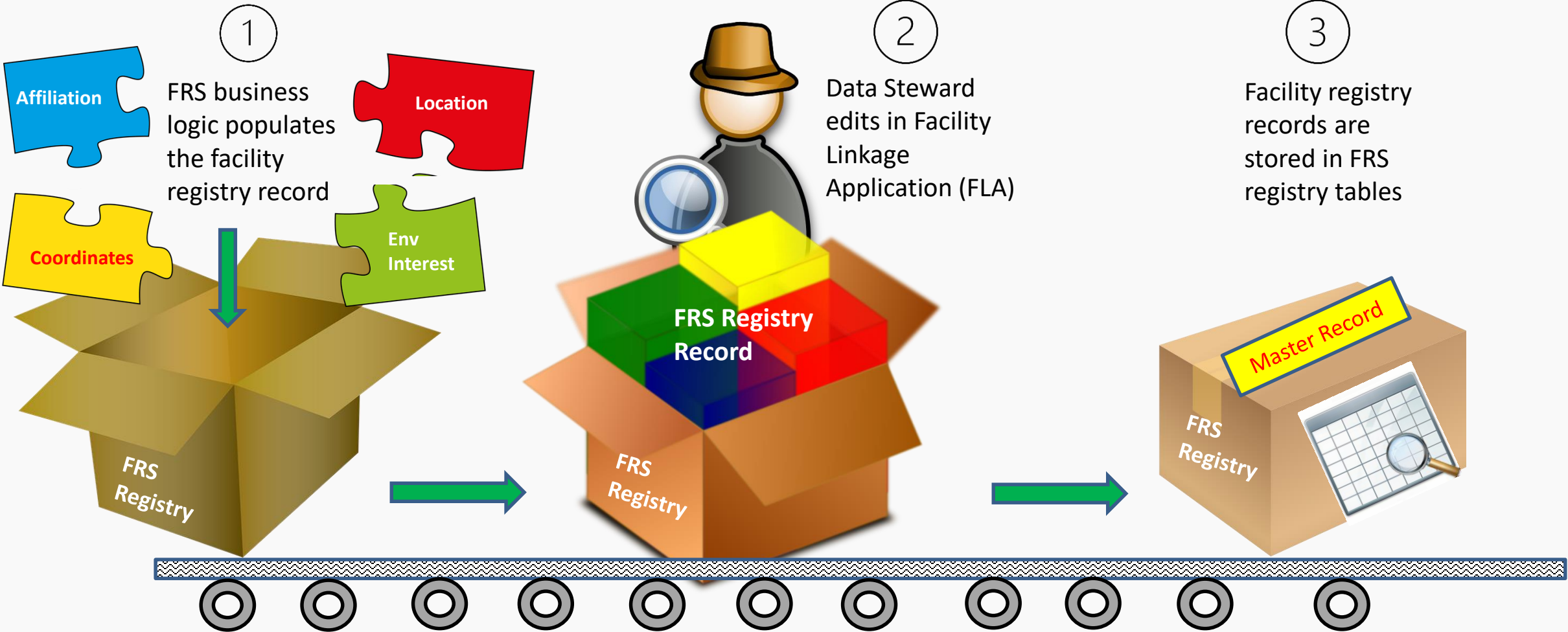
- Facility Location Information
- Facility locational coordinates
- Environmental interests
- Data standardization



Cross-Media

- Community-based initiatives
- Environmental justice analyses
- NEPA assessments
- Emergency response
- Other mission needs (TMDL, Climate change analysis, etc.)

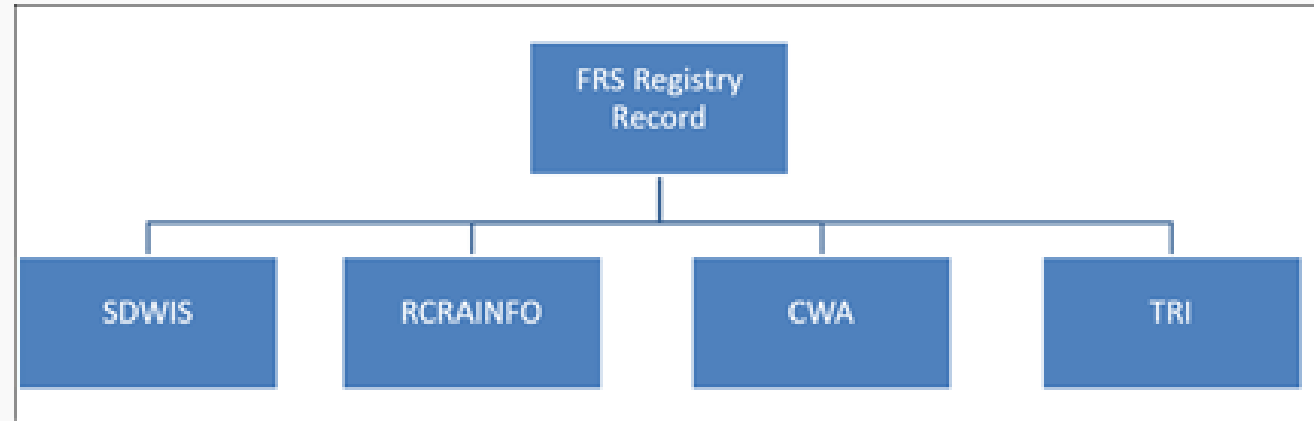
An FRS Registry is Composed of



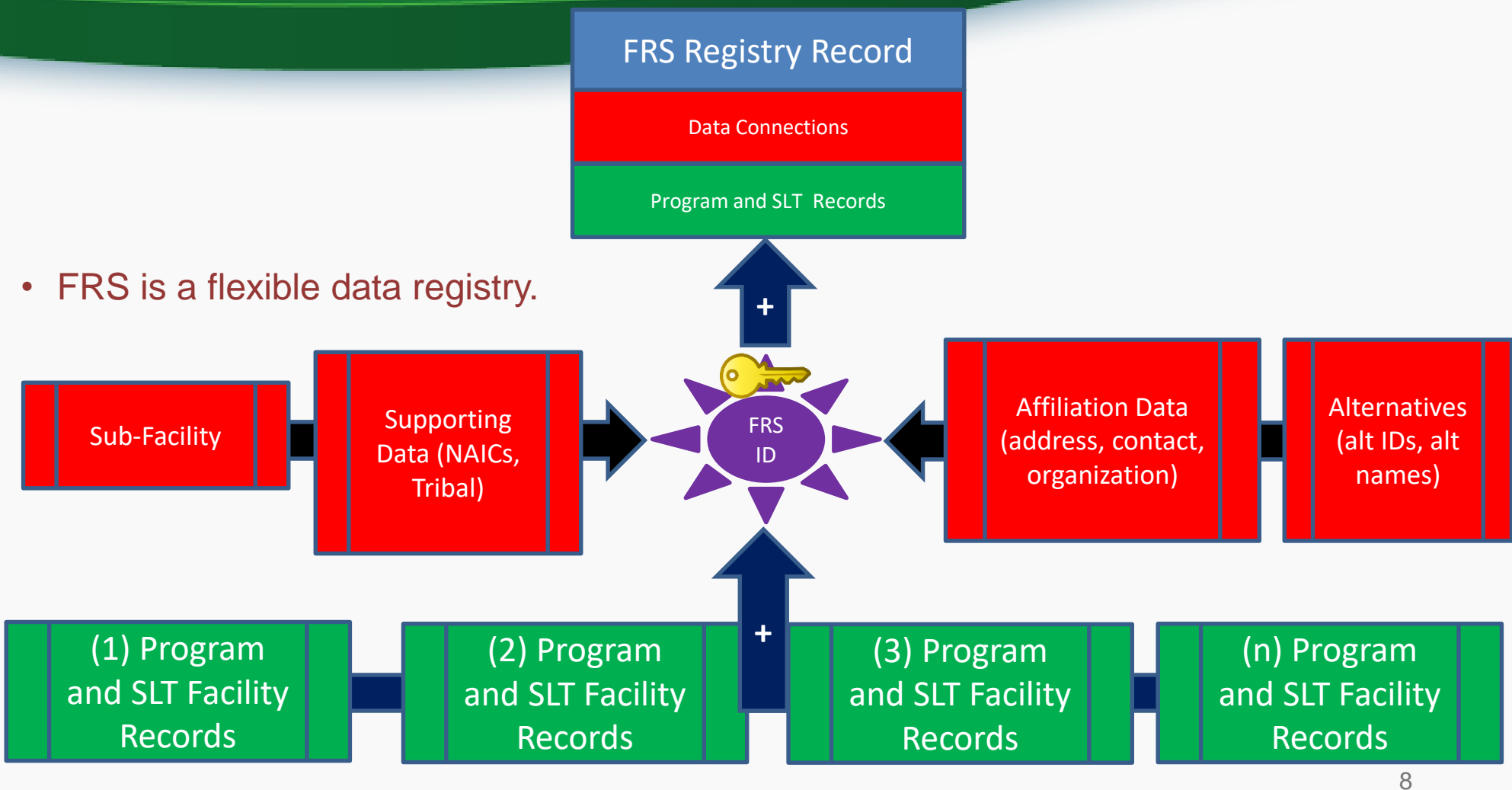
FRS Overview



- FRS incorporates data from state and federal environmental data applications on a regular basis. Most data sets are refreshed monthly.
 - These records are the *program facility records*.
- FRS executes standardization and validation logic on new or refreshed data as part of the integration process.
- The integration process evaluates incoming records and links them to FRS registry records based on matching algorithms. This results in an FRS registry record with one or more program records linked to it.



What Information is in the FRS Registry Record?



- FRS is a flexible data registry.

- FRS can connect to additional data sources such as SIC and NAICS codes, organization, contact, and others.

Facility Linkage Application (FLA)



FLA 101

Training guides, videos and best practices for using the FLA.

[FLA 4.2 Sub-facility Screen Help](#)

[Geospatial Site Location SOP](#)

Data Initiatives



Publicly owned treatment works (POTW) Cleanup

TOTAL 259 records



Invalid facility data

TOTAL 1526304 records



Resolve possible duplicates

TOTAL 10859 records



Review flagged facilities

TOTAL 60293 records

[Secondary User Submission Status Summary Report](#)
[Secondary User Sub-facility Submission Status Summary Report](#)

Announcements

Important information from FRS

[What's New in FLA 4.2.4?](#)

August 20, 2020

[What's New in FLA 4.2.3?](#)

August 20, 2019

[What's New in FLA 4.2.1?](#)

March 7, 2019

[All Announcements](#)

January 27, 2013

Data Refreshes

Dates when program data has been integrated

Data set

ACRES

EIS

NPDES

[More...](#)

Updated

December 8, 2021

December 9, 2021

December 8, 2021

- FLA is the data quality tool used by data stewards to identify, review, improve, and link program data together to establish a unique registry-level facility record.
- FRS data stewards update registry-level facility data, but do not update program-level facility data (data provided by program systems).



- **Who:** EPA regional program staff
- **General Responsibilities:**
 - Act as a point of contact for regional data needs and data quality issues.
 - Assist with the dissemination of information about FRS to regional staff.
 - Assist with FRS data improvement projects.
 - Coordinate with state data stewards as needed.
 - Make data corrections (these corrections will be incorporated directly into FRS).
 - Approve data corrections proposed by secondary or state/tribal stewards.
- **Note:**
 - There can be more than one primary regional data steward per region.

Secondary Data Stewards



- **Who:** Staff from EPA regions and program offices.
- **General Responsibilities:**
 - Recommend data corrections through the Facility Linkage Application (FLA). These corrections will need to be approved by primary data stewards before they are incorporated into FRS' production layer.



FLA NAVIGATION



- FLA Login Portal – <https://www.epa.gov/frs/facility-linkage-application-fla>
- FLA accounts are only available to government employees and contractors who have registered FLA access.
- Log into FLA by clicking the **‘Continue to FLA Log in’** button, which will route users to **‘Login.gov’** screen to enter their email and password.

Facility Linkage Application (FLA)

FLA is the Data Steward tool to correct and update FRS data where you can:

- Edit Registry
- Edit Geolocator
- Find Duplicates
- Find Linkages

[Continue to FLA Log in](#)

New To FLA? Do you have questions about getting started?

[Register for FLA](#) | [Register for EPA Gateway/Login.gov](#) (prerequisite for FLA registration) | [FLA Access & Help](#)

Contact Information

FRS Support Team: FRS_Support@epa.gov

Accessing FLA



An official website of the United States government [Here's how you know](#) ▾

LOGIN.GOV EPA United States Environmental Protection Agency

EPA Production is using Login.gov to allow you to sign in to your account safely and securely.

Email address

Password Show password

[Sign in with your government employee ID](#)

[← Back to EPA Production](#)

[Forgot your password?](#)

[Security Practices and Privacy Act Statement](#)

- Enter your email and password to gain access to FLA.

Accessing FLA



Users without FLA access will need to follow the following steps:

1. Register for a Login.gov account (prerequisite for FLA Registration).
2. Register for FLA access.
3. After users have completed these steps, they may log into FLA using their Login.gov credentials.

Note:

- FLA access is approved by the FRS EPA project manager. Users will receive an email confirming approval access.

A screenshot of a web page titled "New To FLA? Do you have questions about getting started?". Below the title, there are three links: "Register for FLA", "Register for Login.gov (prerequisite for FLA registration)", and "FLA Access & Help". A red rectangular box highlights the first two links, and a red arrow points to the "Register for Login.gov" link. Below the links is a section titled "Contact Information" with the text "FRS Support Team: FRS_Support@epa.gov".

New To FLA? Do you have questions about getting started?

[Register for FLA](#) | [Register for Login.gov \(prerequisite for FLA registration\)](#) [FLA Access & Help](#)

Contact Information

FRS Support Team: FRS_Support@epa.gov



Facility Linkage Application

[My Profile](#) [Help](#) [About](#) [Contact](#)

[Home](#) [Submission](#) [Data Sets](#) [Search](#) [Reports](#)

Enter registry ID or program ID

Search

FLA 101

Training guides, videos and best practices for using the FLA.

[FLA 4.2 Sub-facility Screen Help](#)

[Geospatial Site Location SOP](#)

Data Initiatives



Publicly owned treatment works (POTW) Cleanup

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August 20, 2019

[What's New in FLA 4.2.1?](#)

March 7, 2019

[All Announcements](#)

January 27, 2013

Data Refreshes

- Upon successfully logging in, the FLA homepage is the first page data stewards see.
- The homepage consists of four (4) sections which consolidate key metrics in addition to providing high-level information.
- These sections will be described in detail in the upcoming slides.



Data Initiatives



Publicly owned treatment works (POTW) Cleanup

STATE VA 4 records



Invalid facility data

STATE VA 11799 records



Resolve possible duplicates

STATE VA 581 records



Review flagged facilities

STATE VA 2279 records



- The 'Data Initiatives' section contains counts of registry-level records to be reviewed as part of ongoing EPA data clean up initiatives.
- These records can be further examined by clicking the magnifying glass icon next to each count.



Announcements

Important information from FRS

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August 20, 2020

[What's New in FLA 4.2.3?](#)

August 20, 2019

[What's New in FLA 4.2.1?](#)

March 7, 2019

[All Announcements](#)

January 27, 2013

- The '**Announcements**' section is used to broadcast announcements from EPA to data stewards regarding data changes and other important announcements.
- By default, FLA displays the three (3) most recent announcements, which can be viewed in detail by clicking the announcement's link.
- Clicking the '**All Announcements**' link routes users to the '**Announcements**' page which displays a history of all announcements posted to the '**FLA Homepage**.'

FLA Homepage - Data Refreshes



- The **'Data Refreshes'** section provides a list of recently processed data refreshes.
- An extensive list of data refreshes can be seen by clicking the **'Submission'** tab in the header or the **'More...'** link which routes users to the **'Refresh Details'** page.

Data Refreshes

Dates when program data has been integrated

Data set	Updated
OIL	November 23, 2021
SEMS	November 24, 2021
WI-ESR	November 18, 2021
More...	

Refresh Details [Back](#)

The Recent Data Submission report displays the most recent date and number of records submitted from program and state systems.

Search: [Go](#) [Actions](#)

1 - 46

Program Name	Program Acronym	Refresh Date	Inserts	Updates
WISCONSIN - ENVIRONMENTAL SYSTEM REGISTRY	WI-ESR	19-AUG-19	18	1196
NEW JERSEY - NEW JERSEY ENVIRONMENTAL MANAGEMENT SYSTEM	NJ-NJEMS	16-AUG-19	713	7736



FLA 101

Training guides, videos and best practices for using the FLA.

[FLA 4.2 Sub-facility Screen Help](#)

[Geospatial Site Location SOP](#)

- The '**FLA 101**' section contains links to additional training guides, videos, and best practices for using FLA.
- [Sub facility Help](#)
- [Geospatial Site Location SOP](#)

Header Banner



Facility Linkage Application

[My Profile](#) [Help](#) [About](#) [Contact](#)

[Home](#) [Submission](#) [Data Sets](#) [Search](#) [Reports](#)

Enter registry ID or program ID

Search

- The header banner is available from all pages within FLA.
- Secondary data stewards will view the tabs highlighted in red; primary data stewards with administrative privileges will have access to the administrative dashboard (not shown here).
- The tabs highlighted are discussed in further detail throughout this training guide.
- In the upper right corner, there are links to the following:
 - **My Profile page**—allows data stewards to edit information related to their profile such as phone number, name, and email address.
 - **Help page**—links to the FLA help documentation.
 - **About page**—provides basic information about FRS and FLA.
 - **Contact Us page**—used to notify EPA staff about any FLA related questions or comments.
- The search feature in the lower right corner of the banner is used to search for facilities by Registry ID or Program ID.

Refresh Details Page

A screenshot of the EPA's web application showing the 'Refresh Details' page. The navigation bar at the top includes 'Home', 'Submission' (highlighted with a red box and a red arrow), and 'Data Sets'. A search bar on the right contains the text 'Enter registry ID or program ID' and a 'Search' button. Below the navigation, the page title 'Refresh Details' is displayed. A descriptive text states: 'The Recent Data Submission report displays the most recent date and number of records submitted from program and state systems.' Below this is a search filter section with a search icon, a text input field, a 'Go' button, and an 'Actions' dropdown. A table with 5 columns is shown, displaying data for three programs. The table has a '1 - 46' indicator on the right side.

Program Name	Program Acronym	Refresh Date ↓	Inserts	Updates
WISCONSIN - ENVIRONMENTAL SYSTEM REGISTRY	WI-ESR	19-AUG-19	18	1196
NEW JERSEY - NEW JERSEY ENVIRONMENTAL MANAGEMENT SYSTEM	NJ-NJEMS	16-AUG-19	713	7736
BIENNIAL REPORTERS	BR	16-AUG-19	2	4410

- Upon clicking the **'Submission'** tab in the header, FLA displays the **'Refresh Details'** page.
- The **'Refresh Details'** page displays an interactive report of the most recent data refreshes and number of records submitted from program and state systems.

Program Data Set Page



Home Submission **Data Sets** Search Reports Admin Dashboard

Enter registry ID or program ID

Program Data Set

This is an interactive report that allows the user to have maximum flexibility in creating their own customized report. Start by selecting a program system acronym and push search to see an initial result set. Then advanced filtering, sorting, and other options may be applied to the report using the actions button.

Program System

1 - 50 of 212,504

Program System	Program ID	Registry ID	Primary Name	Location Address	City Name	County Name	State Code	Postal Code	EPA Region Code	Data Quality Code	Last Update	Environmental Interest Types
ICIS	1800009434	110070100763	ARROW SYSTEMS INC.	2440 GERALD AVENUE	NIAGRA FALLS	-	NY	14305	02	Missing County (mO) Invalid City (IC)	17-SEP-01 - ICIS	ENFORCEMENT/COMPLIANCE ACTIVITY
ICIS	1800009436	110070100764	TUBELITE CO., INC.	102 SEMORAN COMERCE PLACE	APOPKA	-	FL	32703	04	Missing County (mO)	17-SEP-01 - ICIS	ENFORCEMENT/COMPLIANCE ACTIVITY

- Upon clicking the **'Data Sets'** tab in the header, FLA displays the **'Program Data Set'** page.
- The **'Program Data Set'** page allows users to create interactive reports based on program facility data.



Home Submission Data Sets **Search** Reports

Enter registry ID or program ID

Search

EPA Program Systems

Region

State / Territory / Province

Registry ID

Registry Name

Data Quality Code

Tribal Land Code






Tribal Land Name

- Upon clicking the **‘Search’** tab in the header, FLA displays the **‘Search’** criteria page.
- The **‘Search’** page allows users to search for registry-level facilities using one or more search parameters.
- Users can also search by registry ID or program ID in the quick search box in the header.



Reports

My Pending Data Submissions

-  Submitted Updates *(lists updates to FRS records you have submitted that are awaiting Primary Data Steward approval)*
-  Submitted Merges *(lists merges of FRS records you have submitted that are awaiting Primary Data Steward approval)*
-  Submitted Delinked Program Records *(lists the program records you identified as needing to be delinked from FRS records that are awaiting Primary Data Steward approval)*
-  Submitted Relinked Program Records *(lists program records you relinked to a new FRS ID that are awaiting Primary Data Steward approval)*
-  Submitted GIS Data *(lists updated geospatial information you have provided that is awaiting Primary Data Steward approval)*

Program Summary Statistics [Back](#)

The Summary Statistics report displays the total number of Facilities and City, County or Zip. [Learn more](#)

EPA Region

State

City

County

Zip

Submit

Reset

- Users can view a combination of classic and interactive reports by clicking the **‘Reports’** tab in the header.
- Classic reports are reports with pre-defined search parameters and limited search, and filter functionality (example to the right).

Interactive Report

A screenshot of the "Facility Linkage Application" web interface. The top navigation bar includes "Home", "Submission", "Data Sets", "Search", and "Reports". The "Reports" dropdown menu is open, showing "Interactive Registry Search" and "Interactive Program Facility Report". Below the navigation bar, the "Reports" section is visible, followed by "My Pending Data Submissions" which lists "Submitted Updates", "Submitted Merges", and "Submitted Delinked Program Records".

Facility Linkage Application

Home Submission Data Sets Search Reports

Reports

- Interactive Registry Search
- Interactive Program Facility Report







My Pending Data Submissions

- Submitted Updates (lists updates to FRS records you have submitted that are awaiting Primary Data Steward approval)
- Submitted Merges (lists merges of FRS records you have submitted that are awaiting Primary Data Steward approval)
- Submitted Delinked Program Records (lists the program records you identified as needing to be delinked from FRS records that are awaiting

- Interactive reports are accessible by clicking one of the sub-categories under the **'Reports'** tab from the navigation bar or selecting from the **'Reports'** page.
- Interactive reports differ from classic reports by giving users full flexibility to customize the search parameters; while classic reports limit the usable search parameters.

Interactive Report (Continued)



Actions	Registry Id	Registry Name	Address	City	State	Zip	County
 	110000328636	J&L STRUCTURAL ALIQUIPPA DIV	1 S...	ALIQUIPPA	PA	15001-3600	BEA...
 	110000328654	PRECISION KIDD STEEL CO	0 W...	W...	PA	15001	BEA...
 	110000328672	WORLD CLASS PROC CORP/AMBRIDGE	21 CENTURY DRIVE	AMBRIDGE	PA	15003-2503	BEA...

- Advanced filtering, sorting, and other options may be applied to the report using the **'Actions'** dropdown.
- This functionality is available on all pages that use interactive reports.
- Users can download the report created in various formats. Reporting criteria can be saved for later use.

Interactive Report (Continued)



Q v [Go] [Actions v]

City Name = 'MONTGOMERY' x
State Code = 'AL' x

1 - 50 of 104 >

Program System	Program ID	Registry ID	Primary Name	Location Address	City Name	County Name	State Code	Postal Code
ICIS	12293	110001713245	3 BROTHERS SERVICE CENTER	2221 LOWER WETUMPKA RD	MONTGOMERY			
ICIS	7424973	110022865988	A&H FOOD MART	828 MADISON AVENUE	MONTGOMERY			
ICIS	20254	110007232360	A&P AUTOMOTIVE INC	420 TWAIN CURVE	MONTGOMERY			

- Users can filter on columns by clicking the column header to generate the filter functionality.
- Filters can be applied to multiple columns simultaneously.
- Each filter applied is displayed above the generated results. Clicking the 'X' Icon will remove the filter.

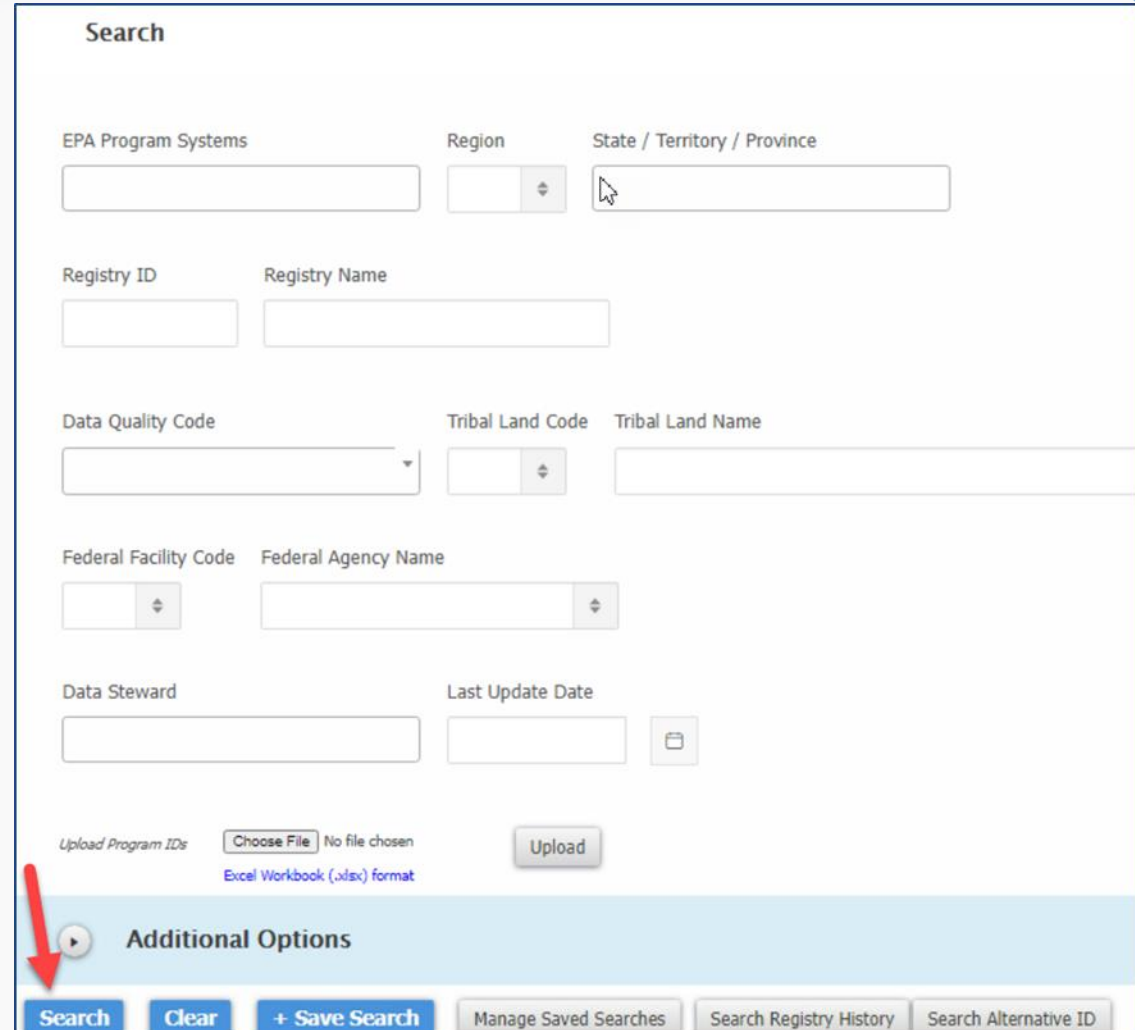


Using FLA: Searching for Registry-level Facilities

How to Search for Registry-level Facilities



1. Navigate to the **'Search'** page.
2. Enter search parameters into the search criteria.
3. Click the **'Search'** button to generate matches.
 - If a match is made, results will display under the **'Search'** buttons.

A screenshot of the EPA Search interface. The form is titled "Search" and contains several input fields and buttons. The fields are: "EPA Program Systems" (text input), "Region" (dropdown menu), "State / Territory / Province" (text input), "Registry ID" (text input), "Registry Name" (text input), "Data Quality Code" (dropdown menu), "Tribal Land Code" (dropdown menu), "Tribal Land Name" (text input), "Federal Facility Code" (dropdown menu), "Federal Agency Name" (text input), "Data Steward" (text input), and "Last Update Date" (text input). There is also a "Choose File" button for uploading program IDs, with a note "No file chosen" and "Excel Workbook (.xlsx) format". An "Upload" button is next to it. At the bottom, there is a blue bar with a play button icon and the text "Additional Options". Below this bar are several buttons: "Search", "Clear", "+ Save Search", "Manage Saved Searches", "Search Registry History", and "Search Alternative ID". A red arrow points to the "Search" button.

How to Search for Registry-level Facilities (Continued)



Search

EPA Program Systems Region State / Territory / Province

Registry ID Registry Name

Data Quality Code Tribal Land Code Tribal Land Name

Federal Facility Code Federal Agency Name

Data Steward Last Update Date

Upload Program IDs No file chosen
Excel Workbook (.xlsx) format

Additional Options

Operating Status Operating Status Date

Note(s):

- By default, the **'Search'** page displays popular search criteria:
 - EPA Program System
 - State
 - Registry ID
 - Registry Name
- A more comprehensive list of search options is accessible by expanding the **'Additional Options'** section.

How to Search for Registry-level Facilities (Continued)



<input type="checkbox"/>		110000478750	COCA-COLA BOTTLING CO OF SAN DIEGO	1348 47TH ST	SAN DIEGO	CA	921022591	SAN DIEGO	Valid			14-AUG-13 - FLA
<input type="checkbox"/>		110000486215	PEPSI-COLA OF NORTHERN CALIFORNIA	1480 BELTLINE RD.	REDDING	CA	96003	SHASTA	Valid			11-NOV-04 - FLA
<input type="checkbox"/>		110000486260	PEPSI COLA BOTTLING CO OF HONOLULU	99-1325 HALAWA VALLEY STREET	AIEA	HI	96701-3290	HONOLULU	Valid			13-DEC-09 - FLA
<input type="checkbox"/>		110000486297	COCA-COLA USA HONOLULU SYRUP PLANT	91-233 KALAELOA BOULEVARD	KAPOLEI	HI	96707-1817	HONOLULU	Valid			12-JAN-26 - FLA

[download csv](#)

Note(s):

- Search results can be exported in Comma Separated Value (CSV) format by clicking the **'download csv'** option.

How to Search for Registry-level Facilities (Continued)



Search

EPA Program Systems Region State / Territory / Province

Registry ID Registry Name

Data Quality Code Tribal Land Code Tribal Land Name

Federal Facility Code Federal Agency Name

Data Steward Last Update Date

Upload Program IDs No file chosen
Excel Workbook (.xlsx) format

Tips for Searching:

- Users can perform a multi-click from the **‘Program,’ ‘Interest Type,’** and **‘Program Category’** drop-down boxes.
- Use at least one geographic criterion (i.e., location address, city name, county name, state code, ZIP code, region) to refine your search.
- Search results are limited by the maximum row count clicked at the bottom of the query page.
- The default maximum row count is 1,000, but it can be modified to return up to 100,000 records.
- Customized queries can be saved for future searches.

How to Search for Registry-level Facilities (Continued)



			110000478750	COCA-COLA BOTTLING CO OF SAN DIEGO	1348 47TH ST	SAN DIEGO	CA	921022591	SAN DIEGO	Valid			14-AUG-13 - FLA
			110000486215	PEPSI-COLA OF NORTHERN CALIFORNIA	1480 BELTLINE RD.	REDDING	CA	96003	SHASTA	Valid			11-NOV-04 - FLA
			110000486260	PEPSI COLA BOTTLING CO OF HONOLULU	99-1325 HALAWA VALLEY STREET	AIEA	HI	96701-3290	HONOLULU	Valid			13-DEC-09 - FLA
			110000486297	COCA-COLA USA HONOLULU SYRUP PLANT	91-233 KALAELOA BOULEVARD	KAPOLEI	HI	96707-1817	HONOLULU	Valid			12-JAN-26 - FLA

[download csv](#)

Note:

- Clicking a facility's registry ID routes users to the **'Facility Details'** page.



Understanding the Registry Details Page

Understanding the Registry Details Page



Back

Registry Name
COCA-COLA BOTTLING CO CONSOLIDATED

Google this Exit

Registry Location
4901 CHESAPEAKE DRIVE
CHARLOTTE NC 28216-2905
[Details](#) • [History](#)

8	8	8	1	26
Units	Release Points	Processes	Control Measures	Associations

Data Quality
Valid

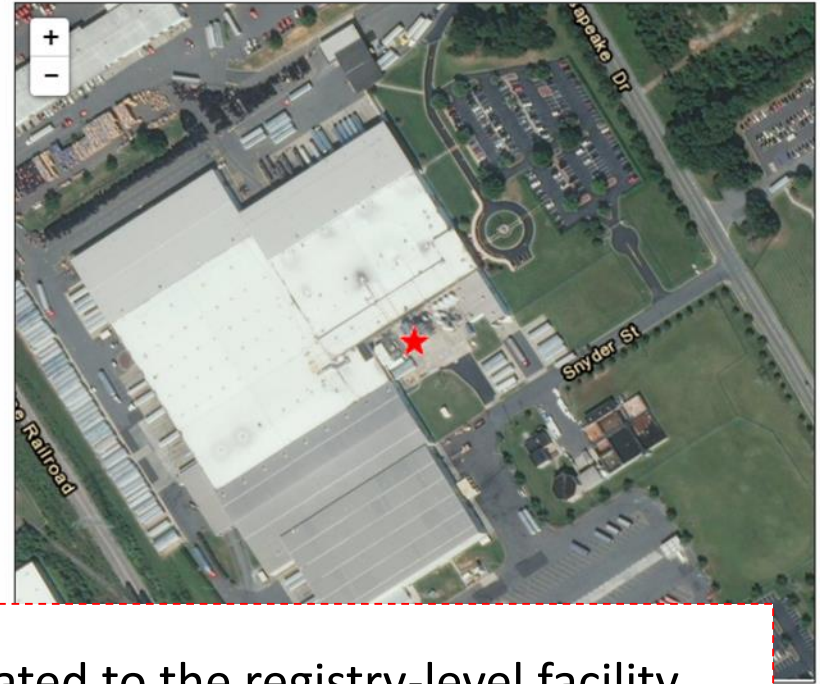
Registry ID
110009716254

Federal Facility Indicator
No

Federal Agency

Tribal Land Indicator
No

Tribal Land Name



- The **'Registry Details'** page maintains all data related to the registry-level facility.
- Key sub-sections of this page are discussed in detail in the upcoming slides.

Understanding the Registry Details Page (Continued)



Back

Registry Name
COCA-COLA BOTTLING CO CONSOLIDATED

Registry Location
4901 CHESAPEAKE DRIVE
CHARLOTTE NC 28216-2905
[Details](#) • [History](#)

Registry ID
110009716254

[Google this](#) Exit

8 8 8 1 26
Units Release Points Processes Control Measures Associations

Data Quality
Valid

Federal Facility Indicator
No

Federal Agency

Tribal Land Indicator
No

Tribal Land Name

- **Registry Name** —The name of the facility.
- **Registry ID** —FRS record identifier.
- **Registry Location** —The facility's physical address and geopolitical descriptors.
 - To aid in the validation of facility registry information, a **'Google this'** button has been added allowing for the search of a facility with a single click.
 - FLA provides a map showing the location of the facility and other nearby facilities.

Understanding the Registry Details Page (Continued)



Back

Registry Name
COCA-COLA BOTTLING CO CONSOLIDATED

Google this Exit

8	8	8	1	26
Units	Release Points	Processes	Control Measures	Associations

Registry Location
4901 CHESAPEAKE DRIVE
CHARLOTTE NC 28216-2905
[Details](#) • [History](#)

Registry ID
110009716254

Data Quality
Valid



- Sub-facility data is available by clicking on the hyperlinks found underneath the sub-facility indicator boxes.
- If sub-facility data is present, a count of records will be displayed in the appropriate box.

NOTE:
This guide does not go into details about sub-facility component screens, but supplementary information can be found within the [FRS Facility Linkage Application Sub-Facility Components](#) guide.

Understanding the Registry Details Page (Continued)



- The 'Additional Registry Details' pop-up screen is accessed by clicking the 'Details' link.
- On the 'Additional Registry Details' page, users are able to view other data related to the facility.

[Back](#)

Registry Name
COCA-COLA BOTTLING CO CONSOLIDATED

Registry Location
4901 CHESAPEAKE DRIVE
CHARLOTTE NC 28216-2905

[Details](#) [History](#)

Registry ID
110009716254

Federal Facility Indicator
No

Federal Agency

Tribal Land Indicator
No

Tribal Land Name

Last Updated
14-APR-30

[Edit Registry](#) [Edit Geolocator](#) [Find Duplicates](#) [Fix Linkages](#) [Comments \(0\)](#)

[Program Data](#) • [Alternative Names](#) • [Alternative IDs](#) • [Organization](#) • [Contacts](#) • [NAICS](#) • [SIC](#) • [Mailing Address](#) • [Supplemental Environmental Interest](#)

Data Quality
Valid

Additional Registry Details	
User ID	REFRESH
Review Flag	-
Review Reason	-
County Name	MECKLENBURG
State and County FIPS Code	37119
Country Name	USA
Country FIPS Code	-
BIA Code	-
Section Township Range	-
Location Description	-
Legislative District Number	-
HUC Code 8	-

Understanding the Registry Details Page (Continued)



- Every time an FRS registry record is updated or merged with another FRS record by a user, a copy of the information is saved to an FRS history table when the change is made.
- The **'History'** page is accessed by clicking the **'History'** link.
- On the **'History'** page, users can view an audit trail to see past names and location information for FRS registry records, and where a registry ID has been merged into another. This page provides the date on which the change took place.

[Back](#)

Registry Name
COCA-COLA BOTTLING CO CONSOLIDA

Registry Location
4901 CHESAPEAKE DRIVE
CHARLOTTE NC 28216-2905
[Details](#) • [History](#)

Registry ID
110009716254

Federal Facility Indicator
No

Federal Agency

Tribal Land Indicator
No

Tribal Land Name

Last Updated
14-APR-30

[Edit Registry](#) [Edit Geolocator](#) [Find Duplicates](#) [Fix Linkages](#) [Comments \(0\)](#)

[Program Data](#) • [Alternative Names](#) • [Alternative IDs](#) • [Organization](#) • [Contacts](#) • [Supplemental Environmental Interest](#)

History

[Revisions](#) • [Time Machine](#) • [Back to Current Data](#)

View	Date	Type	Affected Fields	Before	After	User	Region
	03-JAN-19	UPDATE	LAST_REPORTED_DATE DATA_QUALITY_CODE UPDATE_SOURCE_OF_DATA	14-JAN-17 -	14-DEC-18 IZ EIS	REFRESH	09
	28-MAR-18	UPDATE	COUNTRY_FIPS_CODE UPDATE_SOURCE_OF_DATA	-	US EIS	REFRESH	09

Understanding the Registry Details Page (Continued)



[Back](#)

Registry Name
COCA-COLA BOTTLING CO CONSOLIDATED [Google this](#) [Exit](#)

Registry Location
4901 CHESAPEAKE DRIVE
CHARLOTTE NC 28216-2905
[Details](#) • [History](#)

Registry ID
110009716254

Federal Facility Indicator
No

Federal Agency

Tribal Land Indicator
No

Tribal Land Name

Last Updated
14-APR-30

[Edit Registry](#) [Edit Geolocator](#) [Find Duplicates](#) [Fix Linkages](#) [Comments \(0\)](#)

[Program Data](#) • [Alternative Names](#) • [Alternative IDs](#) • [Organization](#) • [Contacts](#) • [NAICS](#) • [SIC](#) • [Mailing Address](#) • [Supplemental Environmental Interest](#)

- **Edit Registry**—use this option to update editable registry-level details such as facility name, address, and state code.
- **Edit Geolocator**—use this option to update the representative location of the registry record.
- **Find Duplicates**—use this option to merge and identify duplicate registry records.
- **Fix Linkages**—use this option to correct mislinkages for a facility.
- **Comments**—use this option to view any comments that have been added for a facility or to add your own comments.

Understanding the Registry Details Page (Continued)



[Back](#)

Registry Name
COCA-COLA BOTTLING CO CONSOLIDATED

[Google this](#) [Exit](#)

Registry Location
4901 CHESAPEAKE DRIVE
CHARLOTTE NC 28216-2905
[Details](#) • [History](#)

Registry ID
110009716254

Federal Facility Indicator
No

Federal Agency

Tribal Land Indicator
No

Tribal Land Name

Last Updated
14-APR-30

[Edit Registry](#) [Edit Geolocator](#) [Find Duplicates](#) [Fix Linkages](#) [Comments \(0\)](#)

[Program Data](#) • [Alternative Names](#) • [Alternative IDs](#) • [Organization](#) • [Contacts](#) • [NAICS](#) • [SIC](#) • [Mailing Address](#) • [Supplemental Environmental Interest](#)

8	8	8	1	26
Units	Release Points	Processes	Control Measures	Associations

Data Quality
Valid

- Each of the links below bring users to their respective sub-section on the 'Facility Details' page.
- Note: The data at these links can only be updated in the source (program) systems. Data stewards cannot update this data.



Understanding the Registry Details Page (Continued)



Program Data—This section details the program systems and environmental interests that are currently associated with the selected facility. Data stewards cannot update this data; it must be updated in the source (program) systems.

Additional EPA reports:

Program Data

Program	Program ID	Facility name	Location	City	State	Zip	County	DQ Code	Interest Type	Data Source	Last Update	Status
ICIS	1000007267	COCA-COLA BOTTLING COMPANY CONSOLIDATED	4901 CHESAPEAKE DRIVE	CHARLOTTE	NC	28216	-	Missing County (mO)	ENFORCEMENT/COMPLIANCE ACTIVITY	ICIS	10-MAY-27	-
TRIS	28216CCCLB4901C	COCA-COLA BOTTLING CO CONSOLIDATED	4901 CHESAPEAKE DR	CHARLOTTE	NC	28216	MECKLENBURG	Valid	TRI REPORTER	TRIS	11-NOV-04	ACTIVE
RCRAINFO	NCD067421396	COCA-COLA BOTTLING CO CONSOL	4901 CHEASPEAKE DR	CHARLOTTE	NC	28216	MECKLENBURG	Valid	CESQG	RCRAINFO	12-JAN-26	Y

Understanding the Registry Details Page (Continued)



Organization

No Organization found.

Contacts

Name	Role	Phone	Email	Source Of Data
DENNIS PADGETT	COMPLIANCE CONTACT	9803213236	-	AIRS/AFS
DENNIS PADGETT	UNKNOWN CONTACT	9803213236	-	AIRS/AFS
DOUG LEONARD	REGULATORY CONTACT	7043934200	-	RCRAINFO

row(s) 1 - 3 of 6

[+ Show all rows...](#)

Organizations—This section lists the organizations affiliated with the selected facility and provides the source of this data. Data stewards cannot update this data; it must be updated in the source (program) systems.

Contacts—This section lists contact information affiliated with the facility and provides the source of this data. Data stewards cannot update this data; it must be updated in the source (program) systems.

Mailing Address

Mailing Address	City Name	State Code	Postal Code	Create Source Of Data
1900 REXFORD RD	CHARLOTTE	NC	285311487	RCRAINFO

row(s) 1 - 1 of 1

Supplemental Environmental Interest

No Supplemental Environmental Interest data found.

Understanding the Registry Details Page (Continued)



North American Industry Classification System (NAICS) Codes—This section provides the NAICS code for the facility and describes the source of the NAICS code. Data stewards cannot update this data; it must be updated in the source (program) system.

Standard Industrial Classification Codes (SIC)—This section provides the SIC code for the facility and describes the source of the SIC code. Data stewards cannot update this data; it must be updated in the source (program) systems.

NAICS

NAICS Code	Indicator	Description
339999	PRIMARY	ALL OTHER MISCELLANEOUS MANUFACTURING.
312111	PRIMARY	SOFT DRINK MANUFACTURING.
ATELY	UNKNOWN	-

SIC

No SIC found.

row(s) 1 - 3 of 3

Mailing Address

Mailing Address	City Name	State Code	Postal Code	Create Source Of Data
1900 REXFORD RD	CHARLOTTE	NC	285311487	RCRAINFO

row(s) 1 - 1 of 1 March 2022

Supplemental Environmental Interest

No Supplemental Environmental Interest data found.



Merging Registry-level Facilities

Merging Registry-level Facilities

- During the data integration process, FRS evaluates records to see if incoming records should be linked to existing registry records.
- FLA uses a scoring system to validate if incoming records are a match to an existing registry record.
- In some cases, the incoming records match some data attributes, but not enough to be automatically integrated.
- If that happens, a new registry record is created, but those records are flagged as a potential match to existing records.
- Data stewards view the flagged facilities and determine whether or not to merge them.

How to Merge Registry-level Facilities



1. Navigate to the 'Facility Details' page.
2. Click the 'Find Duplicates' button.

Notes:

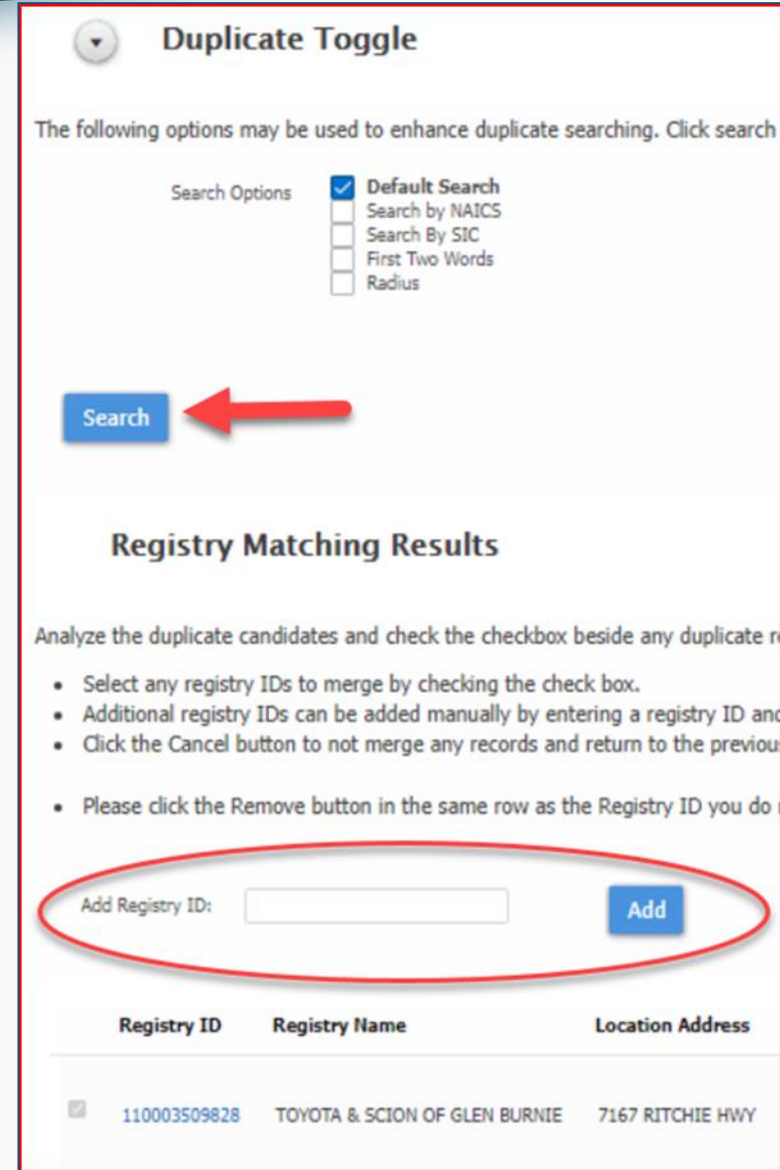
- Data stewards merge registry-level facility records in order to reduce duplicate registries within FRS and ensure data is accurate.
- Upon Clicking the 'Find Duplicates' button, FLA will search for duplicates registry records. If no matches are made, users have the option to manually enter the registry record to be merged.

A screenshot of the Facility Details page for "TOYOTA & SCION OF GLEN BURNIE". The page displays various fields: Registry Name, Registry Location, Registry ID, Federal Facility Indicator, Federal Agency, Tribal Land Indicator, Tribal Land Name, and Last Updated. A "Data Quality" box shows "Valid". On the right, there are five summary boxes for Units, Release Points, Processes, Control Measures, and Associations, each showing a count of 0. At the bottom, there are five buttons: "Edit Registry", "Edit Geolocator", "Find Duplicates", "Fix Linkages", and "Comments (0)". The "Find Duplicates" button is circled in red, and a red arrow points down to it.

How to Merge Registry-level Facilities (Continued)



3. If no duplicates are found, data stewards can enhance the search by using the search options under the **'Duplicate Toggle'** section.
4. If the registry ID to be merged is known, enter the value to the **'Add Registry ID'** text field and click the **'Add'** button.



Duplicate Toggle

The following options may be used to enhance duplicate searching. Click search

Search Options

- Default Search
- Search by NAICS
- Search By SIC
- First Two Words
- Radius

Search ←

Registry Matching Results

Analyze the duplicate candidates and check the checkbox beside any duplicate records.

- Select any registry IDs to merge by checking the check box.
- Additional registry IDs can be added manually by entering a registry ID and clicking the Add button.
- Click the Cancel button to not merge any records and return to the previous screen.
- Please click the Remove button in the same row as the Registry ID you do not want to merge.

Add Registry ID: **Add**

Registry ID	Registry Name	Location Address
<input checked="" type="checkbox"/> 110003509828	TOYOTA & SCION OF GLEN BURNIE	7167 RITCHIE HWY

How to Merge Registry-level Facilities (Continued)



5. Click the checkbox next to the recently added registry ID(s).
6. Click the **'Merge'** button.

Note(s):

- Clicking the **'Cancel'** button will not merge any records and return users to the **'Facility Details'** page.

Registry Matching Results

Analyze the duplicate candidates and check the checkbox beside any duplicate records.

- Select any registry IDs to merge by checking the check box.
- Additional registry IDs can be added manually by entering a registry ID and selecting
- Click the Cancel button to not merge any records and return to the previous page.
- Please click the Remove button in the same row as the Registry ID you do not want in

Add Registry ID:

Registry ID	Registry Name	Location Address
<input checked="" type="checkbox"/> 110003509828	TOYOTA & SCION OF GLEN BURNIE	7167 RITCHIE HWY
<input checked="" type="checkbox"/> 110001767491	TRIGEN - NORTH CENTRAL AVENUE	201-3 CENTRAL AVENUE, NORTH

How to Merge Registry-level Facilities (Continued)



7. Select the FRS Record to retain.

Merge Registries [Back](#)

Identify the record that you would like to keep as the FRS record.

- To include another facility to merge, enter the Registry ID and select the Add button.
- Select the record to retain from the list of records to merge.
- Enter comments.
- To edit the merged facility record, select the Merge and Update button.
- If no duplicates were found for this facility, select the Clear Flag button to remove this facility.

Add Registry ID: [Add](#)

Registry ID	Registry Name	Location Address
<input checked="" type="radio"/> 110003509828	TOYOTA & SCION OF GLEN BURNIE	7167 RITCHIE HWY
(AIRS/AFS-2400301201)	TOYOTA OF GLEN BURNIE	7165 RITCHIE HIGHWAY
(AIRS/AFS-2400301485)	TOYOTA & SCION OF GLEN BURNIE	7167 RITCHIE HWY
(MD-PEMIS-003-1201)		7165 RITCHIE HIGHWAY
(MD-RCRA-2678)	BROWNS TOYOTA CITY	7167 RITCHIE HIGHWAY
(MD-RCRA-3851)	TOYOTA OF GLEN BURNIE	7165 RITCHIE HIGHWAY
(RCRAINFO-MDD022601801)	BROWNS TOYOTA CITY	7167 RITCHIE HIGHWAY
(RCRAINFO-MDD147248397)	TOYOTA /SCION OF GLEN BURNIE	7167 RITCHIE HIGHWAY
<input type="radio"/> 110055588449	FLETCHER, FUNERAL HOME	254 E MAIN STREET
(AIRS/AFS-2401300384)	FLETCHER, FUNERAL HOME	254 E MAIN STREET
(MD-TEMPO-14983)	FLETCHER, FUNERAL HOME	254 E MAIN ST

Comments

Additional Comments:

[Merge](#)

How to Merge Registry-level Facilities (Continued)



8. Add any comments needed to the **'Additional Comments'** text box.
9. Click the **'Merge'** button.

Note(s):

- When merging facilities, all program records associated with both facilities are consolidated under one registry ID.
- FRS retains the selected registry Record ID and the remaining FRS IDs are archived.
- Primary data stewards must approve merge requests submitted by secondary data stewards.

Merge Registries [Back](#)

Identify the record that you would like to keep as the FRS record.

- To include another facility to merge, enter the Registry ID and select the Add button.
- Select the record to retain from the list of records to merge.
- Enter comments.
- To edit the merged facility record, select the Merge and Update button.
- If no duplicates were found for this facility, select the Clear Flag button to remove this facility.

Add Registry ID: [Add](#)

Registry ID	Registry Name	Location Address
<input checked="" type="radio"/> 110003509828	TOYOTA & SCION OF GLEN BURNIE	7167 RITCHIE HWY
(AIRS/AFS-2400301201)	TOYOTA OF GLEN BURNIE	7165 RITCHIE HIGHWAY
(AIRS/AFS-2400301485)	TOYOTA & SCION OF GLEN BURNIE	7167 RITCHIE HWY
(MD-PEMIS-003-1201)		7165 RITCHIE HIGHWAY
(MD-RCRA-2678)	BROWNS TOYOTA CITY	7167 RITCHIE HIGHWAY
(MD-RCRA-3851)	TOYOTA OF GLEN BURNIE	7165 RITCHIE HIGHWAY
(RCRAINFO-MDD022601801)	BROWNS TOYOTA CITY	7167 RITCHIE HIGHWAY
(RCRAINFO-MDD147248397)	TOYOTA /SCION OF GLEN BURNIE	7167 RITCHIE HIGHWAY
<input type="radio"/> 110055588449	FLETCHER, FUNERAL HOME	254 E MAIN STREET
(AIRS/AFS-2401300384)	FLETCHER, FUNERAL HOME	254 E MAIN STREET
(MD-TEMPO-14983)	FLETCHER, FUNERAL HOME	254 E MAIN ST

Comments

Additional Comments:

[Merge](#)

How to Merge Registry-level Facilities (Continued)



- The program records of the archived facility are merged with the retained facility.

Registry ID: 110055585013 (Retained)

Program Data							
Program	Program ID	Facility name	Location	City	State	Zip	County
RCRAINFO	MDD022601801	BROWNS TOYOTA CITY	7167 RITCHIE HIGHWAY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
RCRAINFO	MDD147248397	TOYOTA /SCION OF GLEN BURNIE	7167 RITCHIE HIGHWAY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
AIRS/AFS	2400301485	TOYOTA & SCION OF GLEN BURNIE	7167 RITCHIE HWY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
MD-PEMIS	003-1201	-	7165 RITCHIE HIGHWAY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
MD-RCRA	3851	TOYOTA OF GLEN BURNIE	7165 RITCHIE HIGHWAY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
MD-RCRA	2678	BROWNS TOYOTA CITY	7167 RITCHIE HIGHWAY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
AIRS/AFS	2400301201	TOYOTA OF GLEN BURNIE	7165 RITCHIE HIGHWAY	GLEN BURNIE	MD	21062	ANNE ARUNDEL



Program Data							
Program	Program ID	Facility name	Location	City	State	Zip	County
MD-TEMPO	14983	FLETCHER FUNERAL HOME	254 E MAIN ST	WESTMINSTER	MD	21157	CARROLL
AIRS/AFS	2401300384	FLETCHER FUNERAL HOME	254 E MAIN STREET	WESTMINSTER	MD	21157	CARROLL

Program Data							
Program	Program ID	Facility name	Location	City	State	Zip	County
MD-TEMPO	14983	FLETCHER FUNERAL HOME	254 E MAIN ST	WESTMINSTER	MD	21157	CARROLL
RCRAINFO	MDD022601801	BROWNS TOYOTA CITY	7167 RITCHIE HIGHWAY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
RCRAINFO	MDD147248397	TOYOTA /SCION OF GLEN BURNIE	7167 RITCHIE HIGHWAY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
AIRS/AFS	2400301485	TOYOTA & SCION OF GLEN BURNIE	7167 RITCHIE HWY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
AIRS/AFS	2401300384	FLETCHER FUNERAL HOME	254 E MAIN STREET	WESTMINSTER	MD	21157	CARROLL
MD-PEMIS	003-1201	-	7165 RITCHIE HIGHWAY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
MD-RCRA	3851	TOYOTA OF GLEN BURNIE	7165 RITCHIE HIGHWAY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
MD-RCRA	2678	BROWNS TOYOTA CITY	7167 RITCHIE HIGHWAY	GLEN BURNIE	MD	21061	ANNE ARUNDEL
AIRS/AFS	2400301201	TOYOTA OF GLEN BURNIE	7165 RITCHIE HIGHWAY	GLEN BURNIE	MD	21062	ANNE ARUNDEL

Registry ID: 110055585013 (Retained)

Registry ID: 110003509828 (To be Archived)

March 2022

How to Merge Registry-level Facilities (Continued)



Registry record has been successfully submitted and will be reviewed by a primary data steward.

- FLA routes data stewards to the 'Facility Details' page and provides users with a confirmation message showing the registry record has been successfully submitted for review by a primary data steward.
- This message is shown after any registry-level updates (i.e., updating program linkages, modifying registry-level facility names, and etc.) are made within FLA as a secondary data steward.



Editing Registry-level Facilities

How to Edit Registry-level Data



1. Navigate to the **'Facility Details'** page.
2. Click the **'Edit Registry'** button.

A screenshot of the EPA's Facility Registry Information System (FRIS) interface. The page displays details for a facility named "TOYOTA & SCION OF GLEN BURNIE". The registry location is "7167 RITCHIE HWY, GLEN BURNIE MD 21061-2990". The registry ID is "110003509828". The federal facility indicator is "No". The federal agency is blank. The tribal land indicator is "No". The tribal land name is blank. The last updated date is "14-APR-30". The data quality is "Valid". The page includes a "Google this" button and an "Exit" button. There are five summary boxes for "Units", "Release Points", "Processes", "Control Measures", and "Associations", each showing a count of "0". At the bottom, there are several buttons: "Edit Registry", "Edit Geolocator", "Find Duplicates", "Fix Linkages", and "Comments (0)". The "Edit Registry" button is circled in red, and a red arrow points to it from the right.

How to Edit Registry-level Data (Continued)



3. Update editable fields.
4. Click the **'Save'** button when finished.

A screenshot of a web-based form for editing registry-level data. The form contains several input fields and radio buttons. A red rectangular box highlights the main data entry area, which includes fields for Location Description, HUC Code 8, HUC Code 12, Facility Management Type Code (with 'N' entered), Air Local Control Region, Registry Description, Operating Status, Operating Status Date, POTW?, Mobile?, Offshore?, Federal Land?, and Facility Type Name (with 'STATIONARY' entered). Below the highlighted area are fields for Start Date, End Date, and Population Served. At the bottom of the form, there are two buttons: 'Cancel/Close' and 'Save'. A red arrow points to the 'Save' button, which is also circled in red.



Relinking Program-level Facilities

How to Relink Program-level Facilities



- Bad linkages occur when the FRS algorithm incorrectly matches program records to the wrong registry-level record.
- The relinking process remedies this issue by delinking the program record from the incorrect registry-level record and relinking it to the correct registry-level record.
- Relinking differs from the merging process in that it can only move program records and does not archive registry-level facilities.

Note: if only one (1) program record is associated to the registry record, it cannot be linked to a different registry record. In this case, the registry records should be merged.

How to Relink Program-level Facilities (Continued)



1. Navigate to the **'Facility Details'** page.
2. Click the **'Fix Linkages'** button to be routed to the **'Fix Registry Linkages'** page.

A screenshot of the EPA's Facility Registry System (FRS) interface. The page displays details for a facility named "CITY OF EUREKA - FIRE DEPT HEADQUARTERS". At the top left is a "Back" button. Below the facility name is a "Google this" button. The registry location is "533 C STREET EUREKA CA 95501", with links for "Details" and "History". To the right, there are five summary boxes: "Units" (2), "Release Points" (3), "Processes" (2), "Control Measures" (0), and "Associations" (6). Below these is a "Data Quality" section showing "Valid". Further down are fields for "Federal Facility Indicator", "Federal Agency", "Tribal Land Indicator" (No), and "Tribal Land Name". At the bottom, the "Last Updated" date is "19-DEC-19". A row of action buttons is at the very bottom: "Edit Registry", "Edit Geolocator", "Find Duplicates", "Fix Linkages" (circled in red with a red arrow pointing to it), and "Comments (0)".

How to Relink Program-level Facilities (Continued)



Program Data

Program	Program ID	Facility name	Location	City	State	Zip	County	DQ Code	Interest Type	Data Source	Last Update	Status
EIS	15663711	CITY OF EUREKA - FIRE DEPT. HQ1	533 C STREET	EUREKA	CA	95501	HUMBOLDT	Valid	CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY	EIS	14-APR-06	OPERATING
EIS	17196811	CALIFORNIA DEPT. OF FISH AND GAME	1660 HATCHERY ROAD	ARCATA	CA	95521	HUMBOLDT	Valid	AIR EMISSIONS CLASSIFICATION UNKNOWN	EIS	18-JUL-17	OPERATING

In the example above, FLA has assigned a program record to the incorrect facility. Note the **‘Facility name,’ ‘Location,’** and **‘City’** fields are drastically different. This would lead a data steward to look further and verify the validity of the linkage.

How to Relink Program-level Facilities (Continued)



- Click the program records to be relinked by checking the checkboxes.

Note(s):

- Multiple program records can be moved to the same registry ID at once.
- The row highlighted in yellow represents the original registry record.

Move	Registry ID	Registry Name	Address
<input checked="" type="checkbox"/>	110058303161	CITY OF EUREKA - FIRE DEPT. HQ1	533 C STREET
<input type="checkbox"/>	(EIS - 15663711)	CITY OF EUREKA - FIRE DEPT. HQ1	533 C STREET
<input type="checkbox"/>	(EIS - 17196811)	CALIFORNIA DEPT. OF FISH AND GAME	1660 HATCHERY ROAD

How to Relink Program-level Facilities (Continued)



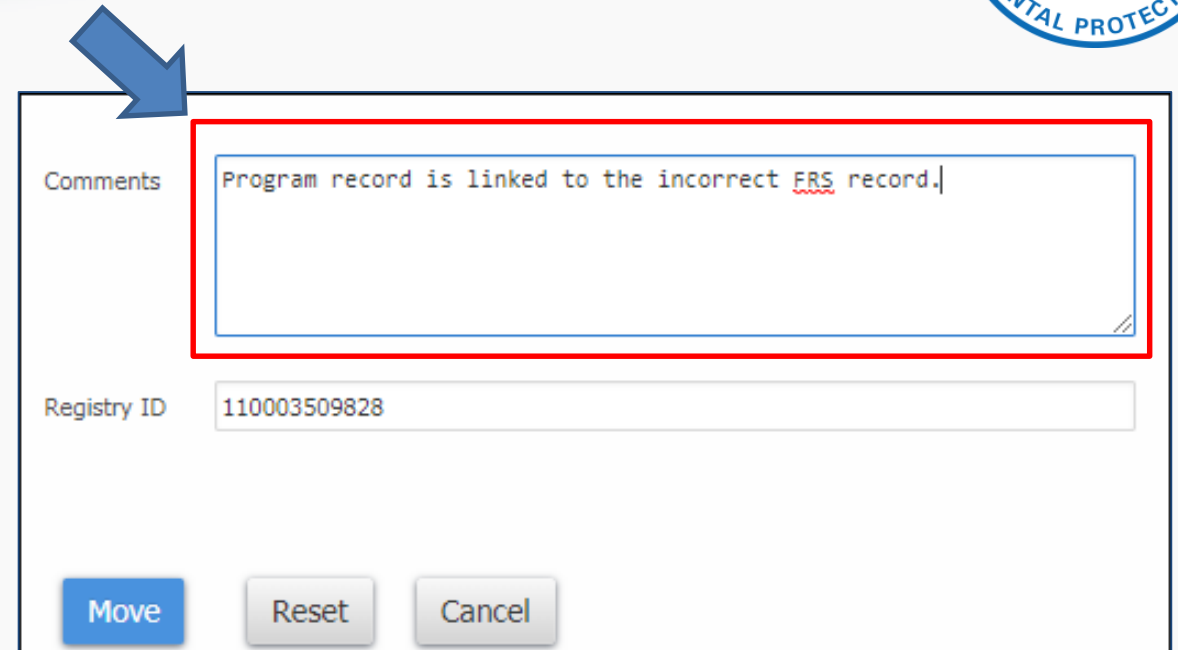
4. Enter the Registry ID to link the program record to into the '**Registry ID**' text box.
 - If the FRS record does not exist, click the '**Create new FRS ID**' checkbox.

A screenshot of a web interface for linking program records. It features a "Comments" text area at the top. Below it is a "Registry ID" text box with the placeholder text "Enter registry ID to link the program record to...". A red box highlights this text box. Below the text box is a checkbox labeled "Create new FRS ID", which is also highlighted with a red box. At the bottom of the interface are three buttons: "Move" (in blue), "Reset", and "Cancel".

How to Relink Program-level Facilities (Continued)



5. Enter a comment that explains the reason for moving the program record(s).



A screenshot of a web interface for relinking program records. A blue arrow points to the top-left corner of the form. The form contains a "Comments" field with a red border, containing the text "Program record is linked to the incorrect FRS record.|" with a red squiggly underline under "FRS". Below the comments field is a "Registry ID" field containing the number "110003509828". At the bottom of the form are three buttons: "Move" (highlighted in blue), "Reset", and "Cancel".

How to Relink Program-level Facilities (Continued)



6. Click the '**Move**' button to relink the program records.

A screenshot of a web form interface. At the top, there is a text area labeled "Comments" containing the text "Program record is linked to the incorrect FRS record." Below this is a text input field labeled "Registry ID" containing the value "110003509828". At the bottom of the form, there are three buttons: "Move", "Reset", and "Cancel". The "Move" button is highlighted with a red square, and a red arrow points to it from the right.



Understanding Registry-Level Facility Best Pick

How to Navigate to the Facility Location Information Page



1. Navigate to the 'Facility Details' page.
2. Click the 'Edit Geolocator' button to navigate to the 'Facility Location Information' page.

A screenshot of a web page showing facility details for ALCOA INC. The page includes fields for Registry Name, Registry Location, Registry ID, Federal Facility Indicator, Federal Agency, Tribal Land Indicator, Tribal Land Name, and Last Updated. There are also buttons for "Edit Registry", "Edit Geolocator", "Find Duplicates", "Fix Linkages", and "Comments (0)". A red arrow points to the "Edit Geolocator" button, which is circled in red. On the right side, there are statistics for "Units" (8) and "Release Points" (57), and a "Data Quality" status of "Valid".

Registry Name
ALCOA INC

Registry Location
MARKET ROAD 1786
ROCKDALE TX 76567
[Details](#) • [History](#)

Registry ID
110008144025

Federal Facility Indicator
No

Federal Agency

Tribal Land Indicator
No

Tribal Land Name
KICKAPOO TRADITIONAL TRIBE OF TEXAS

Last Updated
18-DEC-03

Units: 8
Release Points: 57

Data Quality: Valid

Buttons: Edit Registry, Edit Geolocator, Find Duplicates, Fix Linkages, Comments (0)

How to Navigate to the Facility Location Information Page (Continued)



Legend

- ★ Original best value
- Other facility location
- Facility centered on
- Secondary DS value
- New best value

Directions

To change the location of the Representative Point (Best Pick Value) for this facility:

Choose a new point from one of the points that already exist. Click on the point, then in the pop up window click on the "Change Best Value" button.

or

Add a new location to the map by clicking the Enter Lat/Long button and entering the coordinates.

or

Add a new location to the map by clicking the Draw Point button at the bottom of the map.

Additional links:

- [Open in Geohack](#) [Exit](#)
- [Having trouble seeing the Geolocator buttons?](#)

Buttons: [Restore Original Map](#) [Enter Lat/Long](#) [Draw Point](#)

- The 'Facility Location Information' page allows data stewards to modify the registry-level facility's best pick or representative point location.
- The page also displays program-level facility location data which can be viewed under the map.
- More information related to this page will be discussed in later slides.

Action	LRT Record ID	Conveyor of Record	Program System Name	Program System ID	Program System Subentity ID	Program Latitude (NAD 83)	Program Longitude (NAD 83)	Best Value	Distance to Best Value (in Meters)	Collection Method	Accuracy Value (m)	Scale	MOD Score	Reference Point	Insertion Date	Map Coordinate
	32703687	FRS-GEocode	FRS	110003509828		39.17546	-76.61582	Y	0	ADDRESS MATCHING-HOUSE NUMBER	30	null		CENTER OF A FACILITY OR STATION	2015-07-14	Map Zoom
	12636105	NEI	NEI	NEIMD5100651		39.29084	-76.604736	N	7263.554	UNKNOWN	null	null		AIR RELEASE STACK	2007-01-23	Map Zoom
	14304642	RCRIS	RCRAINFO	MDD022601801		39.164722	-76.604444	N	1545.196		null	null			2007-01-30	Map Zoom
	14304643	COMMERCIAL VENDOR	RCRAINFO	MDD022601801		39.175961	-76.617199	N	131.503	ADDRESS MATCHING-HOUSE NUMBER	150	100000		PLANT ENTRANCE (GENERAL)	2007-01-30	Map Zoom
	14306674	COMMERCIAL VENDOR	RCRAINFO	MDD147248397		39.17609	-76.617125	N	132.696	ADDRESS MATCHING-HOUSE NUMBER	150	100000		PLANT ENTRANCE (GENERAL)	2007-01-30	Map Zoom
	14306675	RCRIS	RCRAINFO	MDD147248397		39.164722	-76.604444	N	1545.196		null	null			2007-01-30	Map Zoom
	16033054	AIRS/AFS	AIRS/AFS	2451000651		39.291111	-76.604722	N	7276.33		null	null			2007-06-01	Map Zoom

FRS Best Pick Locations



- FRS uses complex logic to determine a registry-level facility's best pick or representative point location.
- The process runs every weekend.
- Things to know about the best pick process:
 - Data stewards can update a facility's best pick location using FLA.
 - The point will show as a temporary icon and will not update the location in other FRS maps until the weekly process is run.
 - Data steward changes made to a best pick location for records with **Superfund NPL program records** will not be saved when the weekly process runs.

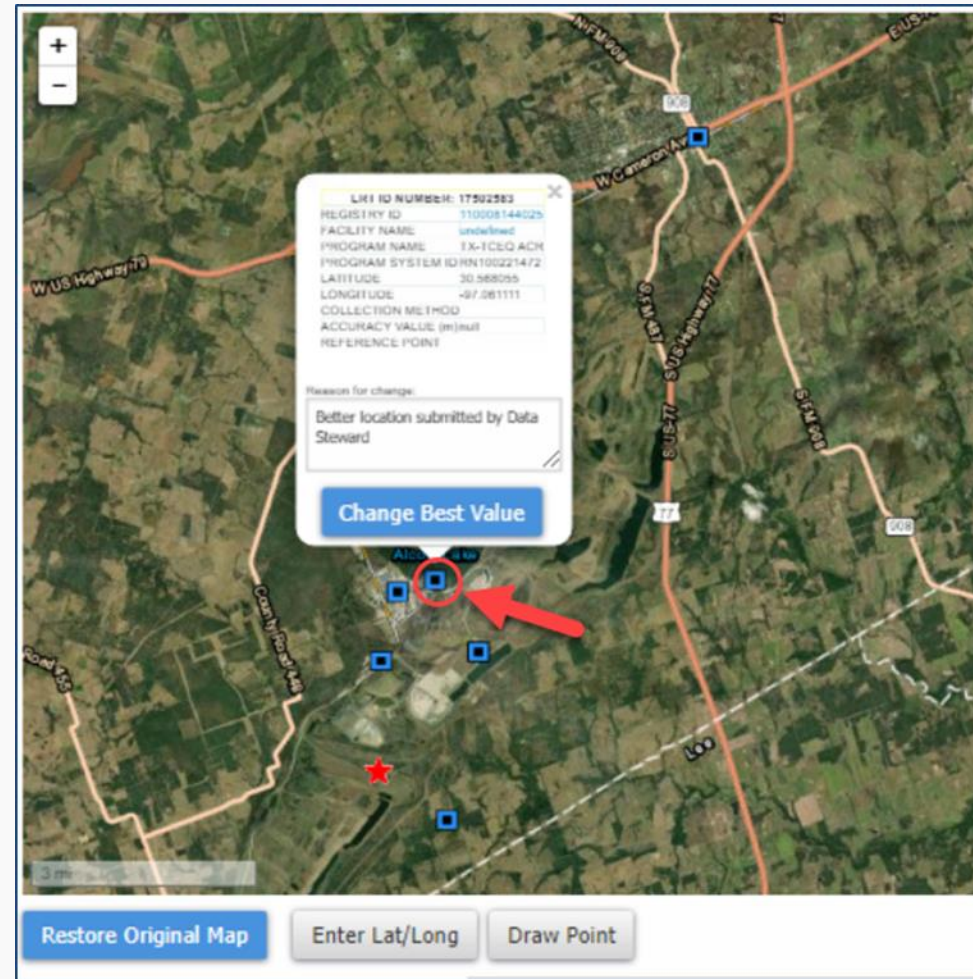


Modifying a Facility's Best Pick Location

How to Modify a Facility's Best Pick Location — Select from existing locations (Option 1)



1. Navigate to the 'Facility Location Information' page.
2. Select one of the facility locations that already exist on the map, which is not the original best pick value (original best pick value is indicated by the red star).

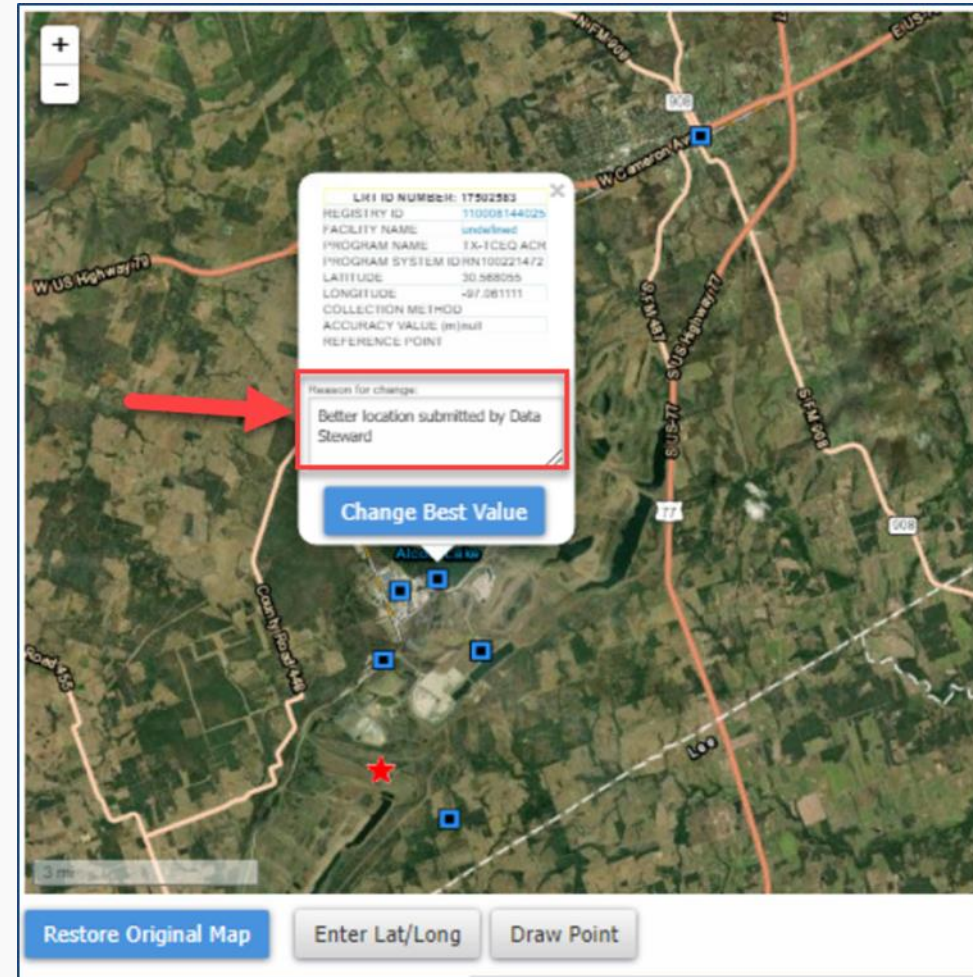


How to Modify a Facility's Best Pick Location

— Select from existing locations (Option 1) (Continued)



3. Add a comment in the 'Reason for change' text box in pop-up justifying the change in location.

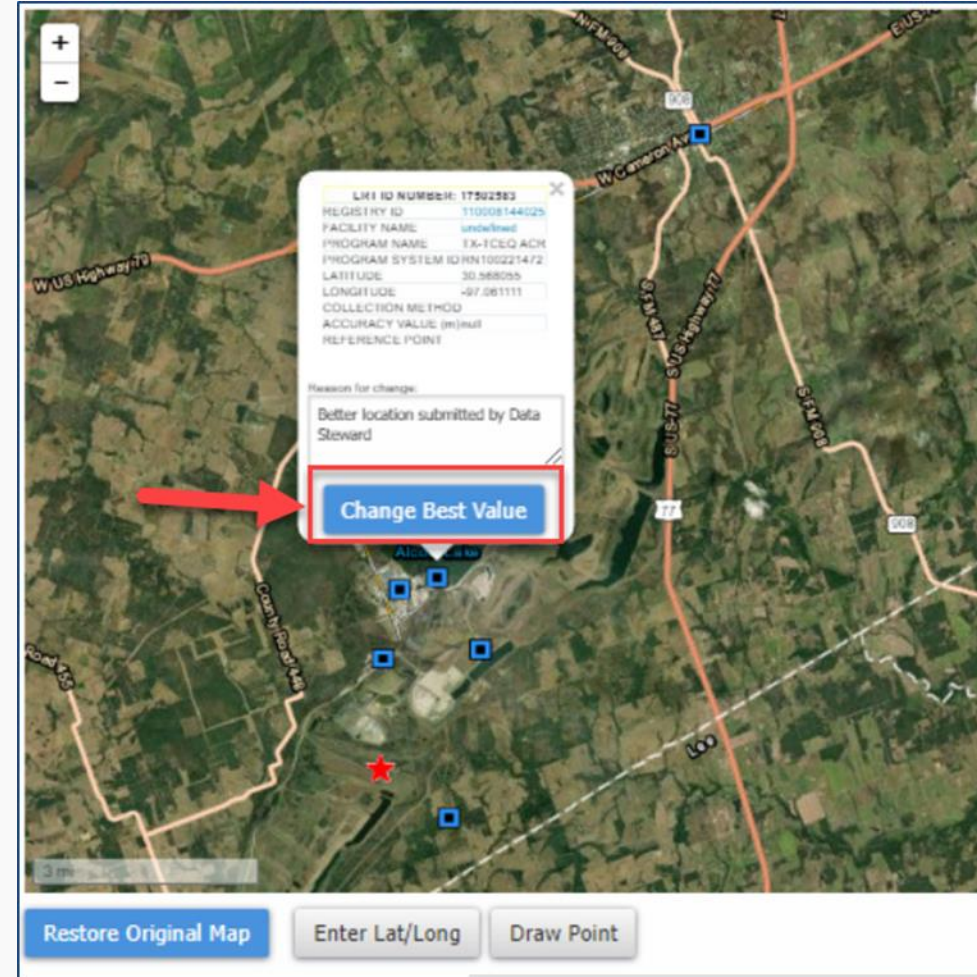


How to Modify a Facility's Best Pick Location

— Select from existing locations (Option 1) (Continued)



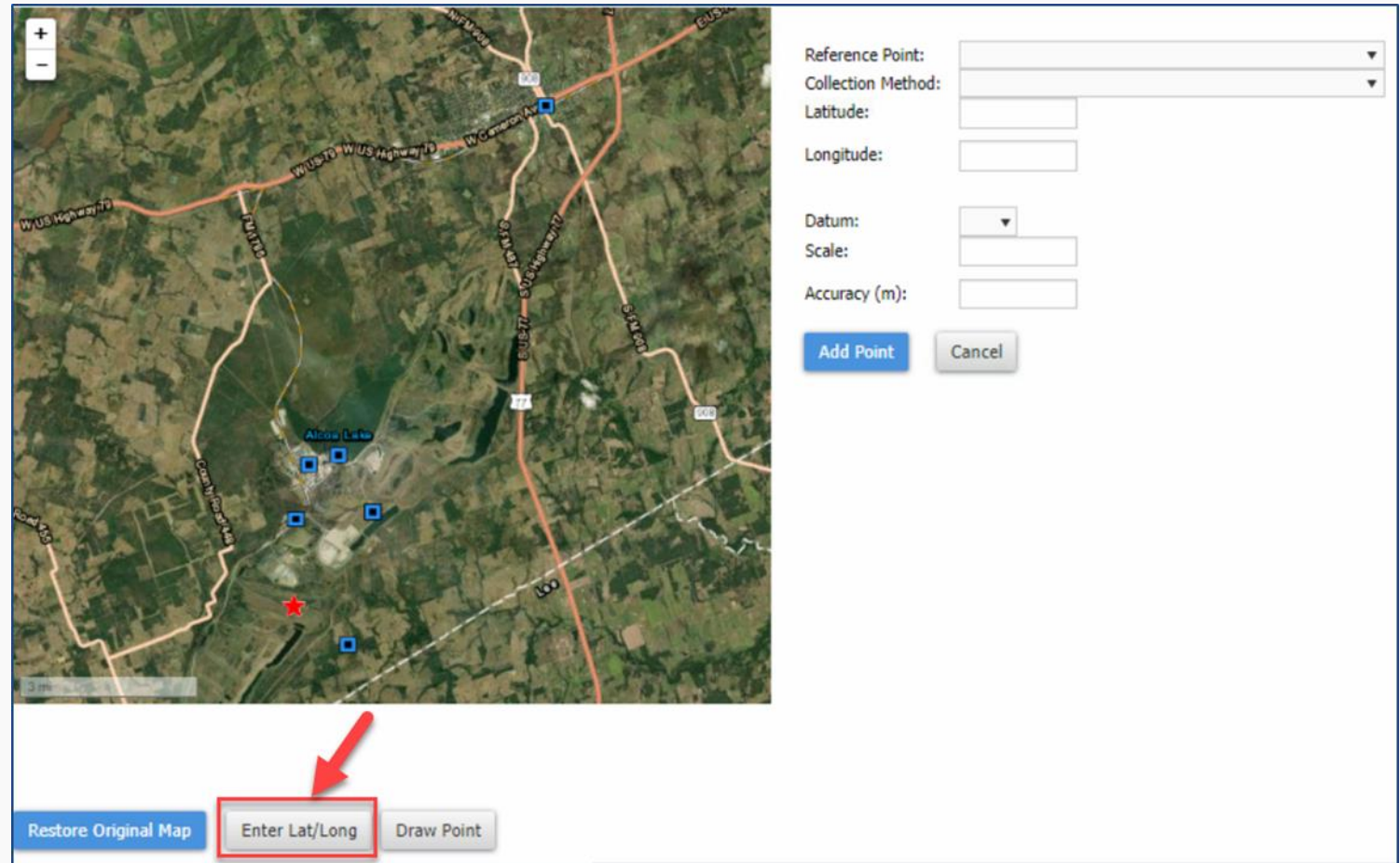
4. Click the **'Change Best Value'** button to confirm the location change.



How to Modify a Facility's Best Pick Location — Manually Enter Coordinates (Option 2)



1. Navigate to the 'Facility Location Information' page.
2. Click the 'Enter Lat/Long' button.

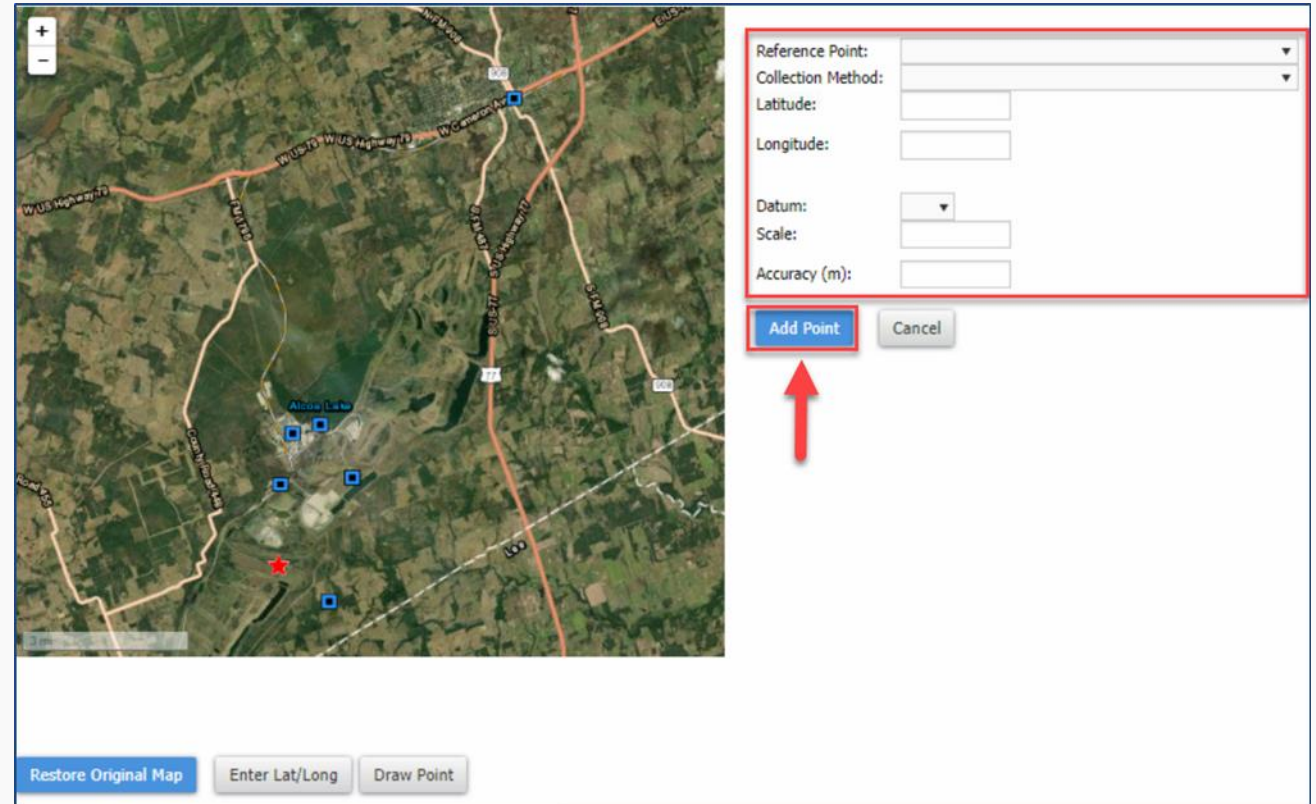


How to Modify a Facility's Best Pick Location

— Manually Enter Coordinates (Option 2) (Continued)



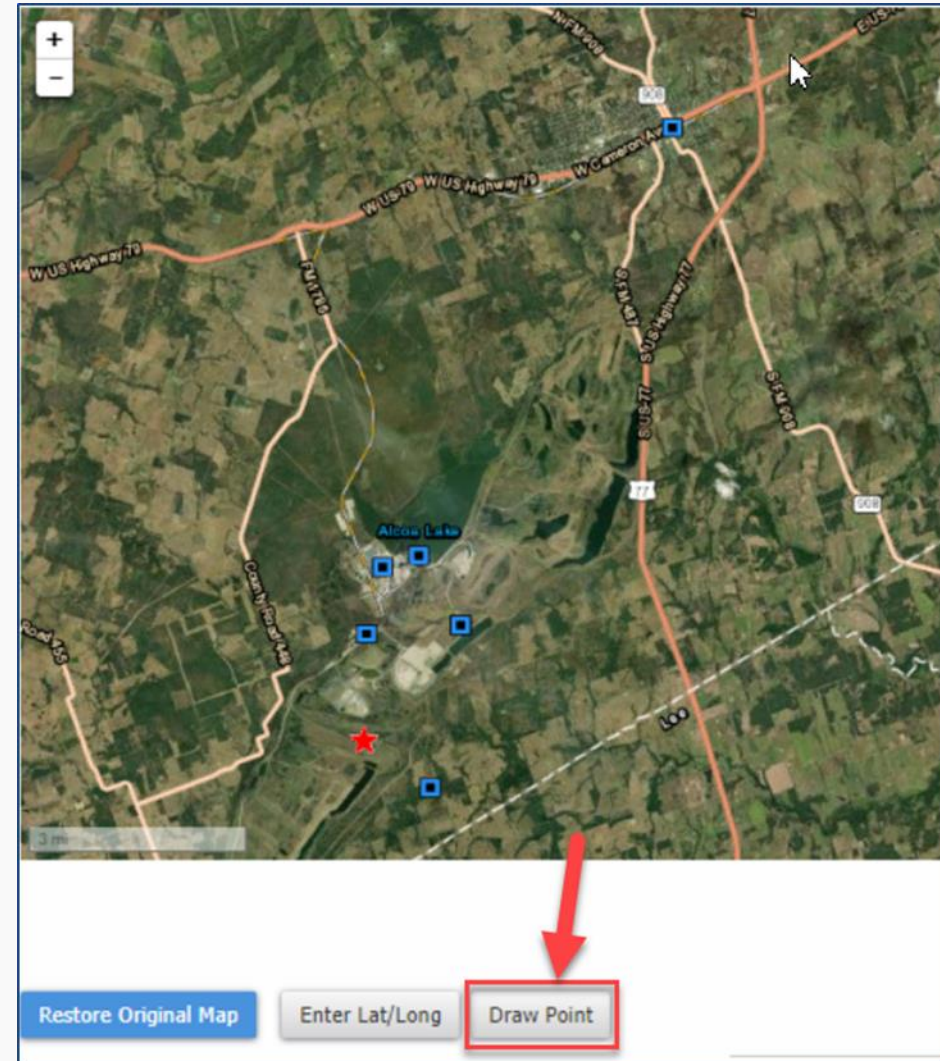
3. Enter the reference point, collection method, coordinates, datum, scale, and accuracy values for the facility.
4. Click the 'Add Point' button to add the new representative point.



How to Modify a Facility's Best Pick Location — Create a New Location — (Option 3)



1. Navigate to the 'Facility Location Information' page.
2. Click the 'Draw Point' button at the bottom of the map.



How to Modify a Facility's Best Pick Location — Create a New Location — (Option 3) (Continued)



3. Adjust the newly added location by clicking and dragging the object to the representative location.
4. Click the '**Submit**' button to finalize the location.
 - Clicking the '**Delete**' button will remove the recently added location.





Reviewing the Status of Secondary Data Stewards Submissions

How to Manage the Secondary Data Steward Submissions



Secondary User Submission Status Summary Report
Secondary User Sub-facility Submission Status Summary Report

- Clicking the **'Secondary User Submission Status Summary Report'** or **'Secondary User Sub-facility Submission Status Summary Report'** links route users to the respective **'Secondary User Submission Status'** pages.
- The **'Secondary User Submission Status'** pages generate interactive reports displaying the status of submissions made by secondary data stewards for a specified time frame.

Pending Registry-Level Submissions



[Back](#) **Current Pending Secondary Submissions**

[Delink Program Records](#) [GIS Data](#) [Merges](#) [Record Updates](#) [Relinked Program Records](#)

0 **1** **1** **4** **2**

Secondary User Submission Status Summary Report

This report shows a breakdown of the status of submissions made by Secondary Data Stewards for the timeframe specified. Choose dates using the calendar or leave the field(s) blank to select all. Leave both "From" & "To" dates blank to select all records.

Status: From: To:

1 - 13 of 13

Registry ID	Primary Name	Submitter ID	Status	Transaction Type
110000512473	PILGRIMS PRIDE CORP OF DE	FLA_TEST_SECONDARY_NP	ACCEPTED	RELINK
110000520124	ARAB WATER TREATMENT PLANT	FLA_TEST_SECONDARY_NP	ACCEPTED	RELINK

1. Select the submission status from the drop-down menu.
2. Enter a time frame to search by in the highlighted text fields.
3. Select the 'Go' button to generate results.

Note(s):

- Leave both the 'From' and 'To' dates blank to select all records.
- Counts of each update type are shown at the top of the page.

Pending Registry-Level Submissions (Continued)



GIS Data						
Q ▾ <input type="text"/> Go Actions ▾						
1 - 2 of 2						
Registry ID	Accuracy Measure	Longitude	Latitude	Chg Date	Comments	Status
110002105178	847.24	-87.993718	34.117054	28-JAN-2019	Better location submitted by Data Steward	REVIEW
110090496287	-	-	-	16-JAN-2019	Better location submitted by Data Steward	REVIEW

Note(s):

- Geographic Information System (GIS) updates such as updating the best pick value are shown under the 'Secondary User Submission Status Report' table.
- The search criteria previously discussed applies to the 'GIS Data' table as well. Users can search for specific updates within the table using the search functionality highlighted.

Pending Sub-Facility Submission Status



[Back](#) Secondary User Sub-facility Submission Status Summary Report

[Merges](#) [Record Updates](#) [Relinked Program Records](#)
3 **16** **5**

This report shows a breakdown of the status of submissions made by Secondary Data St
 Choose dates using the calendar or leave the field(s) blank to select all. Leave both "From

Status:
 Transaction Type:
 From:
 To:

1 - 15 of 15

Facility Registry ID	Facility Name	Component ID	Component Type	Sta
110000764325	U S COAST GUARD YARD	418913	EMISSIONS PROCESS	REVIEW
110008144025	ALCOA INC	391458	RELEASE POINT	REVIEW
110008144025	ALCOA INC	310671	EMISSIONS UNIT	REVIEW
110008144025	ALCOA INC	310671	EMISSIONS UNIT	REVIEW
110008144025	ALCOA INC	310671	EMISSIONS UNIT	REVIEW

1. Select the submission status from the drop-down menu.
2. Enter a time frame to search by in the highlighted text fields.
3. Select the 'Go' button to generate results.

Note(s):

- Leave both the 'From' and 'To' dates blank to select all records.
- Counts of each update type are shown at the top of the page.



Finding your Regional Primary Data Steward(s)

Primary Data Steward Contacts



- FRS Primary Data Steward Network (<https://www.epa.gov/frs/frs-data-steward-network-contacts>)
- The webpage includes the email and phone number for each primary data steward.

FRS Data Steward Network Contacts

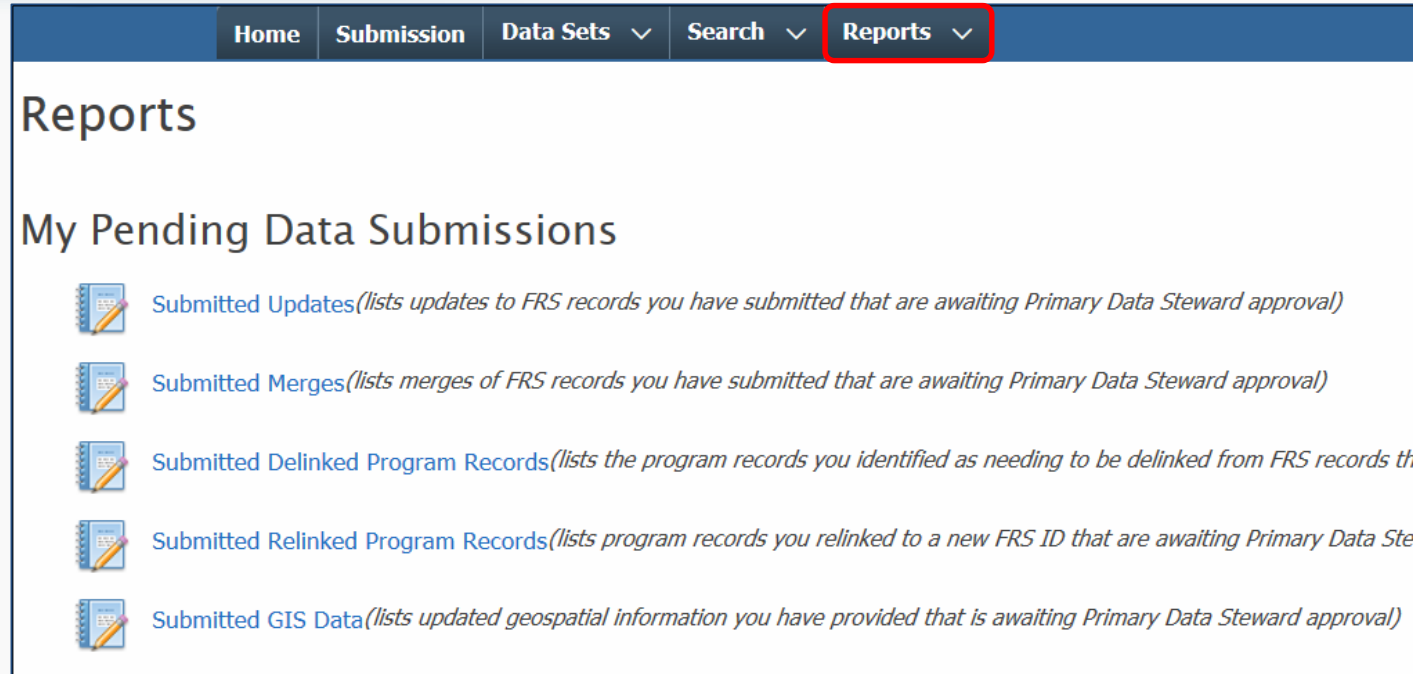
Regional Lead and Alternate Contact Information

Contact Information	Type of Data Steward	Organization
Ed Kim kim.ed@epa.gov (617) 918-1945	Primary	1
Karen Seet seet.karen@epa.gov (212) 637-4071	Primary	2
Kris DeNardi Denardi.kristopher@epa.gov (215) 814-2834	Primary	3



Generating Reports






How to Generate Classic Reports

A screenshot of the EPA's web interface. The top navigation bar is dark blue with white text for "Home", "Submission", "Data Sets", "Search", and "Reports". The "Reports" tab is highlighted with a red rectangular box. Below the navigation bar, the page title "Reports" is displayed. Underneath, there is a section titled "My Pending Data Submissions" which contains five list items, each with a notebook icon and a description of a report type: "Submitted Updates", "Submitted Merges", "Submitted Delinked Program Records", "Submitted Relinked Program Records", and "Submitted GIS Data".

Home Submission Data Sets Search **Reports**

Reports

My Pending Data Submissions

-  [Submitted Updates](#) (lists updates to FRS records you have submitted that are awaiting Primary Data Steward approval)
-  [Submitted Merges](#) (lists merges of FRS records you have submitted that are awaiting Primary Data Steward approval)
-  [Submitted Delinked Program Records](#) (lists the program records you identified as needing to be delinked from FRS records th
-  [Submitted Relinked Program Records](#) (lists program records you relinked to a new FRS ID that are awaiting Primary Data Ste
-  [Submitted GIS Data](#) (lists updated geospatial information you have provided that is awaiting Primary Data Steward approval)

1. Click the **'Reports'** tab from the header.
2. Click one of the listed reports.

How to Generate Classic Reports (Continued)



3. Enter values into the search parameters to limit results.
 - Generally, one parameter must be entered to continue.

Program History Report Search

This report will display up to 1 million program facility records at a time. At least

Registry ID:

Program Name:

Program ID:

Facility Name

Location Address

City Name

County Name

State Code

Postal Code

EPA Region Code

How to Generate Classic Reports (Continued)



- Click the **'Search'** button to generate records which meet the specified criteria.

Note(s):

- The search functionality for each built-in report will differ dependent on the report selected. For example, some reports will use the **'Go'** button to search for records that meet the specified criteria.

Current FRS Facility Data

The Current FRS Facility Data Quality report depicts a real time breakdown of FRS data quality by data quality code. [Learn more](#)

Search bar: [Search icon] [Input field] **Go** 1. Primary Report [Dropdown] [Table icon] [List icon] Actions [DQ Codes]

Filters: [Edit Group By] [Row text contains 'Erroneous']

Program History Report Search

This report will display up to 1 million program facility records at a time. At least

Registry ID: [Input field]

Program Name: [Input field]

Program ID: [Input field]

Facility Name: [Input field]

Location Address: [Input field]

City Name: [Input field]

County Name: [Input field]

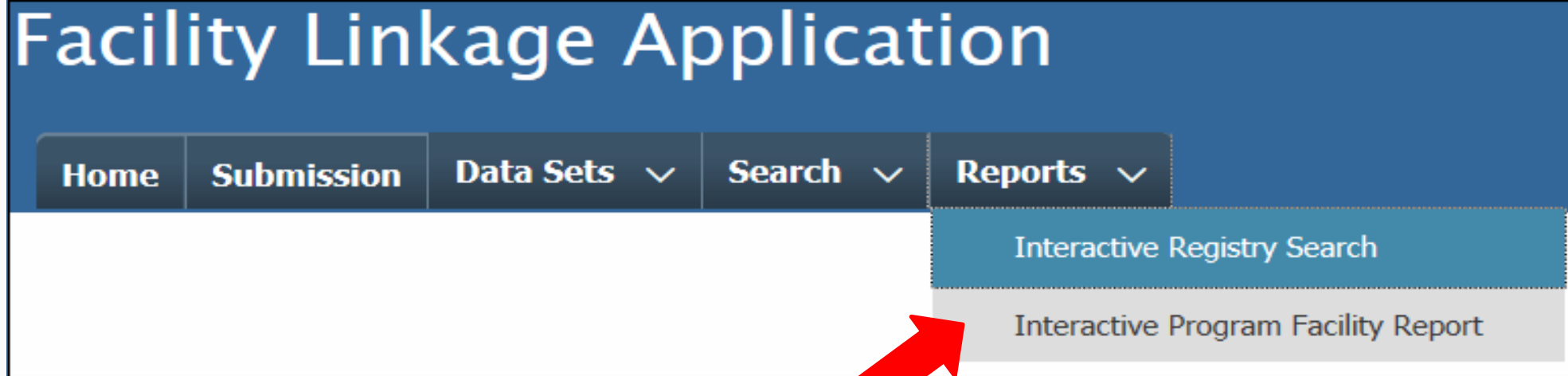
State Code: [Input field]

Postal Code: [Input field]

EPA Region Code: [Input field]

Search [Reset] [Cancel]

How to Generate Interactive Reports



1. Navigate to the '**Registry Facility Search**' or '**Program Facility Search**' pages by selecting one of the options under the '**Reports**' tab.

How to Generate Interactive Reports (Continued)



2. Select an 'EPA Region Code' from the drop-down menu.
3. Click the 'Search' button to generate results.

Facility Registry Search

This is an interactive report that allows the user to have maximum flexibility in creating their own customized report. Start by selecting an action to be applied to the report using the actions button.

EPA Region Code
03

Q v [] Go Actions v

1 - 50 of 253391 >

Actions	Registry Id	Registry Name	Address
	999983007008	SPRINGFIELD	8206 TERMINAL RD
	110043375460	CEDAR ROCK MATERIALS CORP	STATE ROUTE 11
	110010606488	EAST COAST RESORTS CORP. SITE	NEAR ELISHA'S GUT

Program Facility Search

This is an interactive report that allows the user to have maximum flexibility in creating their own customized report. Start by selecting an action to be applied to the report using the actions button.

EPA Region Code
03

Search

Q v [] Go Actions v

Actions	Registry ID	Program Acnm	Program ID	Program Facility Name
	110055573972	AIRS/AFS	5119500237	ENERGY ENTERPRISES OF NORTON INC
	110028945738	AIRS/AFS	2402700423	NEWPORT SCIENTIFIC
	110055558454	AIRS/AFS	4209100245	RECYCLE METALS CORP/CONSHOHOCKEN



FLA TIPS

Tip #1 – Get to Know the Underlying Data



- The [FRS Data Sources](#) is a good place to start. There, you will find links for web sites explaining the various federal and state programs.
- Understanding where the data is coming from can explain the purpose of the data.
 - Knowing that Safe Drinking Water Information System (SDWIS) records often refer to an entire water system of a town explains why it does not have a traditional address or specific location information.
 - Knowing that some program data was collected in the mid 2000s will explain why the data seems to have outdated company names.

Tip #2 – Review Comments



- Always check the comments before making any changes to an FRS record. This includes merging, relinking, or updating the FRS record with new information.
- A linkage that may, at first glance, appear erroneous may be explained in the comments section. The owner of the facility may have submitted an error notification that specifically explains why a group of records belong together, and the data steward that made the linkage may have left an explanation to prevent its undoing.
- Checking the comments could save you some work. If there is a questionable linkage, or the correct primary name is not obvious, the comments might clear this up before any research is done.

Tip #3 – Add Comments



- Whenever a linkage is made or broken, and it is not obvious why the move or merge was made, the comments should fully explain and support the action.
- If there is more than one possible variation of the company name for a facility, and you update it to one or the other, the comments should explain why you chose the name that you did.
- If applicable, you should always leave the source of your information in the comments.
 - If you verified that an intersection address and a standard urban style address are really the same location using www.google.com/maps, then put this in your comments.
 - If you verified a company name using their web site, put the URL in your comments so you or others can recheck this later.

Tip #4 – Check Update Dates



- When merging or updating records, you may find that the most correct information cannot be verified with an outside source.
- In these situations, the update dates and last reported dates can be reviewed to see which program system is reporting the most recent data in order to decide which is more likely to be correct.



Business Rules for Updating Records

Rules for Updating Facility Names



- Names
 - Check the comments before updating a name.
 - Use the verified company name; the facility name for the most part will be the name of the company that owns the facility.
 - Expand all abbreviations except LLC, USA, company names that are more common as an abbreviation like IBM, and state codes.
 - Remove punctuation.
 - Remove unnecessary spaces including leading, trailing, and multiple spaces in a row.
 - Locational information in the company name that is found elsewhere in the record should be removed.
 - Update the FRS name for a change in ownership without a change in business.
 - When the type of business at the location changes along with new ownership or name, then a new facility record should be created.

Rules for Merging and Linking Facilities



- All records for the same company at the same location should be merged under a single FRS record.
- Multiple businesses at the same address (i.e., co-located; an office building or an industrial park, for example) will have multiple FRS records.
- A single location can have different addresses (2400 Main Street; 24th & Main; etc.). These can be linked if research indicates they are indeed different ways of representing the same location.
- In cases where a program system record shows a company headquarters address instead of the facility address, the record should be linked with the actual facility location rather than the reported headquarters address.