

Facility Registry Service APIs and eEnterprise

EN2014

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Why APIs? Why REST?



- Services can be built once, and then power many different types of applications and serve many different needs
- You can mix and match different APIs to serve emergent needs
- REST is a great option for building interactive, dynamic applications



**REST = “REpresentational State Transfer”*

Why does EPA care?



- We are putting APIs into action, using them to power our own applications
- EPA Enforcement and Compliance History Online (ECHO)
- <http://epa.gov/echo>

```
{  
  "Results":{  
    "Message":"Success",  
    "Permits":[]  
  },  
  "Statute": "",  
  "EPASystem": "FRS",  
  "EPARegion": "03",  
  "SourceID": "110006368206",  
  "FacilityName": "AKER PHILA SHIPYARD",  
  "FacilityStreet": "PORTER AVENUE AND BRIDGE  
STREET",  
  "FacilityCity": "PHILADELPHIA",  
  "FacilityState": "PA",  
  "FacilityZip": "19112",  
  "Universe": "",  
  "Areas": null,  
  "Expdate": null,  
  "Latitude": null,  
  "Longitude": null,  
}  
}  
,{  
  "Statute": "CAA",  
  "EPASystem": "AFS",  
  "EPARegion": "03",  
  "SourceID": "4210101569",  
  "FacilityName": "AKER PHILA  
SHIPLYARD/SHIPBUILDING YARD",  
  "FacilityStreet": "PHILA NAVAL BUS CTR",  
  "FacilityCity": "PHILADELPHIA",  
  "FacilityState": "PA",  
  "FacilityZip": "19112",  
  "Universe": "Major",  
  "Areas": "SIP, NSPS, MACT (SECTION 63  
NESHAPS), TITLE V PERMITS",  
  "Expdate": null,  
  "Latitude": null,  
  "Longitude": null,  
}
```

The screenshot shows a detailed facility report for AKER PHILA SHIPYARD located at PORTER AVENUE AND BRIDGE STREET, PHILADELPHIA, PA 19112. The report includes a map view, facility information (e.g., FRS ID: 110006368206, EPA Region: 03, Latitude: 39.884891, Longitude: -75.191124), regulatory interests (e.g., Clean Air Act: Operating Major (4210101569)), and links to other resources like the Data Dictionary and Also Reports.

e-Enterprisey goodness..?

- APIs can be useful in reporting and burden reduction via lookups, prepopulating forms, and validation



Facility Data Entry

Facility Name: 3M
Address: cottage grove
City: mn
State code: mn
ZIP code:
County:
Latitude:
Longitude:

search for facility



Leaflet | Map data © OpenStreetMap contributors

Facility Lookup

Facility Name: 3M
City: cottage grove
State code: mn

Search Results

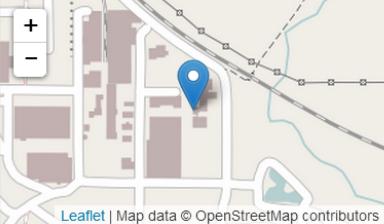
3M COTTAGE GROVE CENTER [FRS Registry ID: 110000423667](#)
10746 INNOVATION ROAD
COTTAGE GROVE MN 55016-4600

query clear

Facility Data Entry

Facility Name: 3M COTTAGE GROVE CENT
Address: 10746 INNOVATION ROAD
City: COTTAGE GROVE
State code: MN
ZIP code: 55016-4600
County: WASHINGTON
Latitude: 44.789444
Longitude: -92.908333

search for facility



Leaflet | Map data © OpenStreetMap contributors

<https://github.com/USEPA/FRS-getfacilities-samples/blob/master/FormLookup.html>

Why might others care?

- *Because you can use some of these services, too!*



```
{  
  "Results":{  
    "Message":"Success",  
    "Permits": [  
      {  
        "Statute": "",  
        "EPASystem": "FRS",  
        "EPARegion": "03",  
        "SourceID": "110006368206",  
        "FacilityName": "AKER PHILA SHIPYARD",  
        "FacilityStreet": "PORTER AVENUE AND BRIDGE  
STREET",  
        "FacilityCity": "PHILADELPHIA",  
        "FacilityState": "PA",  
        "FacilityZip": "19112",  
        "Universe": "",  
        "Areas": null,  
        "Expdate": null,  
        "Latitude": null,  
        "Longitude": null,  
      }  
    ]  
  }  
}
```

The screenshot shows a detailed facility report for AKER PHILA SHIPYARD located at PORTER AVENUE AND BRIDGE STREET, PHILADELPHIA, PA 19112. The report includes a map, facility information (e.g., FRS ID: 110006368206, EPA Region: 03), regulatory interests (e.g., Clean Air Act: Operating Major), and links to other reports.

Detailed Facility Report | echo.epa.gov/detailed_facility_report?fid=110006368206

EPA United States Environmental Protection Agency

Learn the Issues | Science & Technology | Laws & Regulations | About EPA | Explore Facilities | Create Maps | Analyze Trends

ECHO Enforcement and Compliance History Online

You are here Home > Detailed Facility Report

This page updates dynamically based on your search within the page.

Detailed Facility Report

+ Expand All - Collapse All

Report Violation | Report Data Error | Data Dictionary | Download

Facility Summary

AKER PHILA SHIPYARD
PORTER AVENUE AND BRIDGE STREET, PHILADELPHIA, PA 19112

Facility Information (FRS)

FRS ID: [110006368206](#)
EPA Region: 03
Latitude: 39.884891
Longitude: -75.191124
Industry:
Safe Drinking Water Act: [\(PAR000040162\)](#)

Regulatory Interests

Clean Air Act: Operating Major (421010)
Clean Water Act: Minor, Permit Effective Terminated ([PA0058483](#))
Resource Conservation and Recovery Act: [\(PAR000040162\)](#)
Safe Drinking Water Act:

Also Reports



What we hear...

"Getting information back by state ID - would like to be able to return the following information using the state ID: 1) the active FRS ID, 2) the FRS facility name, 3) the facility location (decimal degree coordinates and physical address), and 4) associated program IDs."

"A service that returns sub facility points (by state ID) - This could be useful or QC on locations. It would be beneficial if we get information on: 1) sub-facility points with more than one coordinate pair, 2) sub-facility points where the state-supplied coordinates differ from the FRS coordinates by 50 meters or more, and 3) source of the coordinates stored in FRS (state, EPA, etc)."

"The ability to search for data adjacent to the state, returning points from that nearby state - Our Site Investigation maps include potential sources and receptors within 4 miles (ground water/soil contamination) or 15 miles (surface water contamination) of the site center. If this service could be tailored to return results based on a point location or user-defined polygon, this could be useful for us."

"A service that compares the FRS point to the state point - It would be beneficial if we get information on: 1) facilities with more than one coordinate pair, 2) facilities where the state-supplied coordinates differ from the FRS coordinates by 50 meters or more, and 3) source of the coordinates stored in FRS (state, EPA, etc). "

“Getting information back by state ID - would like to be able to return the following information using the state ID: 1) the active FRS ID, 2) the FRS facility name, 3) the facility location (decimal degree coordinates and physical address), and 4) associated program IDs.”

Untitled Document

druidsmith.github.io/demo/SysIDQuery.html

Facility Search by State ID

State Acronym

State ID

● BRENNETAG GREAT LAKES LLC [FRS Registry ID: 110000416158](#)

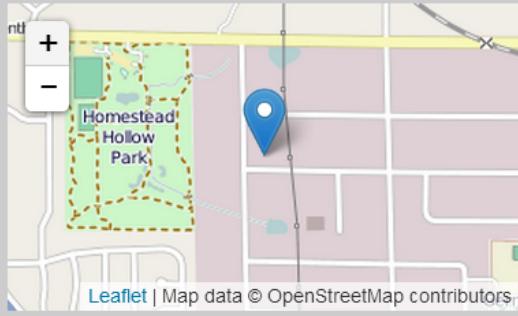
W194 N11756 MCCORMICK DRIVE
GERMANTOWN WI 530222491

druidsmith.github.io/dem

druidsmith.github.io/demo/FormLookup.html

Facility Data Entry

Facility Name	BRENNETAG GREAT LAKES
Address	W194 N11756 MCCORMICK
City	GERMANTOWN
State code	WI
ZIP code	530222491
County	WASHINGTON
Latitude	43.23138
Longitude	-88.14909


Leaflet | Map data © OpenStreetMap contributors.

druidsmith.github.io/demo/FormLookup.html#

"Getting information back by state ID - would like to be able to return the following information using the state ID: 1) the active FRS ID, 2) the FRS facility name, 3) the facility location (decimal degree coordinates and physical address), and 4) associated program IDs."

REST Call:

http://ofmpub.epa.gov/enviro/frs_rest_services.get_facilities?pgm_sys_acrnm=WI-ESR&pgm_sys_id=162059&program_output=yes&output=JSON

WI Program Acronym

Wisconsin ID

REST Response (JSON)

```
{  
  "Results":{  
    "FRSFacility": [  
      {  
        "RegistryId": "110000416158",  
        "FacilityName": "BRENNNTAG GREAT LAKES LLC",  
        "LocationAddress": "W194 N11756 MCCORMICK DRIVE",  
        "SupplementalLocation": null,  
        "CityName": "GERMANTOWN",  
        "CountyName": "WASHINGTON",  
        "StateAbbr": "WI",  
        "ZipCode": "530222491",  
        "FIPSCode": "55131",  
        "Latitude83": "43.23138",  
        "Longitude83": "-88.14909"  
      },  
      {"ProgramFacilities": [  
        {  
          "ProgramSystemAcronym": "ICIS",  
          "ProgramSystemId": "8026569",  
          "ProgramFacilityName": "HCI WORUM CHEMICAL COMPANY"  
        }  
      ]  
    ]  
  }  
}
```

FRS Registry ID

FRS Name,
Location,
Lat/Long

Linked program info
follows

```
{  
  "ProgramSystemAcronym": "RCRAINFO",  
  "ProgramSystemId": "WIR000029033",  
  "ProgramFacilityName": "NORTH AMERICAN COMPOSITES"  
}  
}  
{  
  "ProgramSystemAcronym": "TRIS",  
  "ProgramSystemId": "53022HCWRMW194N",  
  "ProgramFacilityName": "BRENNNTAG GREAT LAKES LLC"  
}  
}  
{  
  "ProgramSystemAcronym": "WI-ESR",  
  "ProgramSystemId": "162059",  
  "ProgramFacilityName": "NORTH AMERICAN COMPOSITES CO"  
}  
}  
}  
}  
}  
}
```

RCRA Handler ID

Toxic Release
Inventory (TRIFID)

External linkages



FRS Facility Detail Report

http://iaspub.epa.gov/enviro/fii_query_detail_disp_program_facility?p_registry_id=110000416158

The screenshot shows a map of the Brenntag Great Lakes LLC facility located at 10194 N11756 MCCORMICK DRIVE, GERMANTOWN, WI 53022-2499. The facility is marked with a red star on a map of the surrounding area, which includes roads like Goldenrod Rd, Franklin Rd, Fulton Dr, and Summer Dr, and landmarks like Homestead Waukesha County Park. A legend indicates that the red star represents the 'Selected Facility' and green squares represent 'EPA Facility of Interest'. A sidebar provides facility registration information and a search function.

BRENNATAG GREAT LAKES LLC
10194 N11756 MCCORMICK DRIVE
GERMANTOWN, WI 53022-2499
EPA Registry ID: 110000416158

Legend

- Selected Facility
- EPA Facility of Interest
- State/Tribe Facility of Interest

The facility locations displayed come from the FRS System. Coordinates listed are the best representative coordinates for the discrete facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all user-defined areas.

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Reporting Year
TOXIC RELEASE INVENTORY SYSTEM	95024C9WHR9913-B0	TBI REPORTER	TBI REPORTING FORM	07/05/2001	2001
INTEGRATED COMPLIANCE INFORMATION SYSTEM	9524549	ENV-COMPLIANCE ACTIVITY	ICIS	02/18/2008	2008
WISCONSIN ENVIRONMENTAL SYSTEM REGISTRY	162059	STATEMASTER	ICIS	02/18/2008	2008

ECHO Enforcement and Compliance Report

http://echo.epa.gov/detailed_facility_report?fid=110000416158

The screenshot shows the Detailed Facility Report for the same facility. It includes a map of the facility's location, facility information (FRS ID: 110000416158, EPA Region: 05, Latitude: 43.23138, Longitude: -88.14009, Industry: Active Transporter (NRC00), Indian Country: N), regulatory interests (Clean Air Act, Clean Water Act, Resource Conservation and Recovery Act, Safe Drinking Water Act), and various reports (Air Emissions Inventory (E2), Greenhouse Gas Emissions (eGRT), Toxic Releases (TRI)). The page also features sections for Enforcement and Compliance Summary and Facility/System Characteristics.

Detailed Facility Report

This page updates dynamically based on your search criteria and selections within the system.

Facility Summary

BRENNATAG GREAT LAKES LLC
10194 N11756 MCCORMICK DRIVE, GERMANTOWN, WI 53022

Facility Information (FRS)

FRS ID: 110000416158
EPA Region: 05
Latitude: 43.23138
Longitude: -88.14009
Industry:
Indian Country: N
[Go To Facility/System Characteristics](#)

Regulatory Interests

Clean Air Act;
Clean Water Act;
Resource Conservation and Recovery Act;
Active Transporter (NRC00);
Safe Drinking Water Act;

Also Reports

Air Emissions Inventory (E2);
Greenhouse Gas Emissions (eGRT);
Toxic Releases (TRI) 53012C9B9913-B0

Enforcement and Compliance Summary

Status	Inspections	Date of Last Inspection	Current Compliance Status	Ops in REC last 12 mos	Ops w/ Significant Violation	Informed Enforcement Actions (5 years)	Former Enforcement Actions (5 years)	Zinc Content
NCR	—	—	Not Violation	0	0	0	0	0

[Go To Enforcement/Compliance Details](#)

Facility/System Characteristics

Facility/System Characteristics

"A service that compares the FRS point to the state point - It would be beneficial if we get information on: 1) facilities with more than one coordinate pair, 2) facilities where the state-supplied coordinates differ from the FRS coordinates by 50 meters or more, and 3) source of the coordinates stored in FRS (state, EPA, etc). "

REST Call:

http://ofmpub.epa.gov/enviro/frs_rest_services.get_facilities?pgm_sys_acrnm=WI-ESR&pgm_sys_id=162059&coordinates_output=Yes&output=JSON

REST Response (JSON)

```
{  
  "Results": {  
    "FRSFacility": [  
      {"RegistryId": "110000416158",  
       "FacilityName": "BRENNTAG GREAT LAKES LLC",  
       "LocationAddress": "W194N11756MCCORMICK DRIVE",  
       "SupplementalLocation": null,  
       "CityName": "GERMANTOWN",  
       "CountyName": "WASHINGTON",  
       "StateAbbr": "WI",  
       "ZipCode": "530222491",  
       "FIPSCode": "55131",  
       "ProgramCoordinates": [  
         {"ProgramSystemAcronym": "TRIS",  
          "ProgramSystemId": "53022HCWRMW194N",  
          "SubId": null,  
          "ObjectId": "11926591",  
          "Latitude83": "43.229722",  
          "Longitude83": "-88.15",  
          "HDatum": "NAD83",  
          "BestPick": "N",  
          "CollectionMethod": null,  
          "AccuracyValue": null,  
          "AccuracyScore": "17447",  
          "ReferencePoint": null,  
          "DerivedCity": "GERMANTOWN",  
          "DerivedCounty": "WASHINGTON",  
          "DerivedZip": "53022",  
          "DerivedFIPS": "55131",  
          "DerivedWBD": "040400030401",  
          "DerivedCB2010": "551314701002027",  
          "DerivedCD112": "05",  
          "MetersToBP": 0  
        }  
      ]  
    ]  
  }  
}
```

FRS “Best Pick” → **Record-level geo metadata** (highlighted in red box)

Program coordinate data follows → **Spatially Derived Value Add Attributes** (highlighted in red box)

Wisconsin’s Lat-Long Used (highlighted in red box)

"A service that compares the FRS point to the state point - It would be beneficial if we get information on: 1) facilities with more than one coordinate pair, 2) facilities where the state-supplied coordinates differ from the FRS coordinates by 50 meters or more, and 3) source of the coordinates stored in FRS (state, EPA, etc). "

[FRS GIS Report](http://iaspub.epa.gov/enviro/gis_viewer.map_page?p_registry_id=110000416158)
http://iaspub.epa.gov/enviro/gis_viewer.map_page?p_registry_id=110000416158

Envirofacts
You are here: EPA Home > Envirofacts > Facility Registry Service (FRS) > FRS Facility Coordinates

FRS Facility Coordinates

Home | Webgis Search | Topic Searches | System Data Services | About EPA | ALERIA | THIS AREA | Answer Issues | SEARCH | Contact Us

FRS

BRENTAG GREAT LAKES LLC
W194 N11755 MCCORMICK DRIVE
GERMANTOWN, WI 53022-431 USA
FRS Registry ID: 110000416158

Map Legend:

- Denotes the facility Representative Point (Rep. pt.) location.
- Denotes a min/max pick facility location.
- Denotes a water discharge location.
- Denotes a air stack location.
- Denotes a facility/site location that has been selected by clicking on the 'Magnifying Glass' in the tabular list of facility coordinates displayed below the map.
- In the tabular list of facility coordinates displayed below the map, a single click on the magnifying glass will center and zoom the map to that coordinate.

Facility Registry Service Links

- Search
 - FRS Facility Search
 - FRS ID Search
 - Topic Searches
- FRS Registry Data Search
- FRS Contact Details
- Contact Us
- Facility Registry Service (FRS) Home

Search Results

List of Facility Coordinates

Zoom to Coordinate	Geocode	Latitude	Longitude	Geo Source	Program Suite	Geo Datum	Best Fit	Collection Method	Reference Num	Reported Address	Calculated Address
	110000416158	43.229172	-88.15	NAD83	%					110000416158	
	110000416158	43.229172	-88.15	NAD83	%	NAD83	INTERPOLATION/PHOTO				
	110000416158	43.229172	-88.15	NAD83	%	NAD83	INTERPOLATION/PHOTO				

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"A service that returns sub facility points (by state ID) - This could be useful or QC on locations. It would be beneficial if we get information on: 1) sub-facility points with more than one coordinate pair, 2) sub-facility points where the state-supplied coordinates differ from the FRS coordinates by 50 meters or more, and 3) source of the coordinates

stored in FRS (state, EPA, etc.)"

FRS ArcGIS Server Subfacility Service

http://geodata.epa.gov/arcgis/rest/services/OEI/FRS_Subfacilities/MapServer

Screenshot of the ArcGIS REST Services Directory showing the FRS Subfacilities (MapServer) service details.

Service Description: The FRS Sub Facility layer is currently comprised from two programs, namely, AP stacks (release locations of regulated pollutants into the air), and the NPDES data set provides outlet locations from facilities being monitored by the EPA. As more reliable data becomes available, other programs providing a complete picture of sub facility data contained with the EPA universe. The FRS facility location

Map Name: Layers

Legend:

All Layers and Tables:

Layers:

- APS_APS (0)
- NPDES (1)
- Zoom In Text (2)

Description:

Copyright Text: US EPA Facility Registry Service

Spatial Reference: 102100 (3857)

Single Fused Map Cache: false

Initial Extent:

XMin: -1.28048970513586E7
YMin: 5198072.3999013289
XMax: -1.21762789930741470E7
YMax: 5309364.712996475
Spatial Reference: 102100 (3857)

Full Extent:

XMin: -1.999600552179394E7
YMin: -1.9155306869442470E7
XMax: 1.9959483137279287E7
YMax: 1.915530686944254E7
Spatial Reference: 102100 (3857)

Screenshot of the ArcGIS Online map viewer showing the FRS Subfacilities (MapServer) service.

The map displays numerous blue circular markers representing sub-facility locations across a satellite imagery of a industrial area. A callout box highlights a specific facility entry:

AIRS_APS: EXXONMOBIL REFINING & SUPPLY BAYTOWN REFINERY

REGISTER_ID	11000005625
ITEM_STK_ACNUM	AIRSMPS
ITEM_STK_ID	4620100027
INTEREST_TYPE	ARM MAJOR
SLR_ID	59
SLR_NME_DESC	STACK
INTEREST_NME	EXXONMOBIL REFINING & SUPPLY BAYTOWN REFINERY
LOCATION_ADDRESS	2900 DECIE DRIVE

Below the callout box, there are links for "Zoom to" and "Get Directions".

"The ability to designate a buffer zone adjacent to the state, returning points from that nearby state - Our Site Investigation maps include potential sources and receptors within 4 miles (ground water/soil contamination) or 15 miles (surface water contamination) of the site center. If this service could be tailored to return results based on a point location or user-defined polygon, this could be useful for us."

Example: CERCLIS facilities within 4 mile radius of a location on the Missouri River in Kansas City, MO - REST Call:

[http://ofmpub.epa.gov/enviro/frs_rest_services.get_facilities?latitude83=39.120638
&longitude83=-94.573593&search_radius=4&pgm_sys_acrnm=CERCLIS](http://ofmpub.epa.gov/enviro/frs_rest_services.get_facilities?latitude83=39.120638&longitude83=-94.573593&search_radius=4&pgm_sys_acrnm=CERCLIS)

```
<Results>
<FRSFacility>
<RegistryId>110039012626</RegistryId>
<FacilityName>1ST AND FRANKLIN</FacilityName>
<LocationAddress>BUILDING 6G RICHMOND
AVE</LocationAddress>
<SupplementalLocation/>
<CityName>KANSAS CITY</CityName>
<CountyName>WYANDOTTE</CountyName>
<StateAbbr>KS</StateAbbr>
<ZipCode>66101</ZipCode>
<FIPSCode>20209</FIPSCode>
<Latitude83>39.124246</Latitude83>
<Longitude83>-94.613863</Longitude83>
</FRSFacility>
<FRSFacility>
<RegistryId>110022533132</RegistryId>
<FacilityName>BIRCH TELECOM STYRENE
ODOR</FacilityName>
<LocationAddress>2115 CENTRAL AVENUE</LocationAddress>
</FRSFacility>
<SupplementalLocation/>
<CityName>KANSAS CITY</CityName>
<CountyName>JACKSON</CountyName>
<StateAbbr>MO</StateAbbr>
<ZipCode>64108</ZipCode>
<FIPSCode>29095</FIPSCode>
<Latitude83>39.087596</Latitude83>
<Longitude83>-94.587622</Longitude83>
</FRSFacility>
<FRSFacility>
<RegistryId>110000443217</RegistryId>
<FacilityName>BRENNTAG MID SOUTH
INCORPORATED</FacilityName>
<LocationAddress>5200 STILLWELL
AVENUE</LocationAddress>
<SupplementalLocation/>
<CityName>KANSAS CITY</CityName>
<CountyName>JACKSON</CountyName>
<StateAbbr>MO</StateAbbr>
<ZipCode>64120-1147</ZipCode>
<FIPSCode>29095</FIPSCode>
<Latitude83>39.144501</Latitude83>
<Longitude83>-94.52153</Longitude83>
```

"The ability to search for data adjacent to the state, returning points from that nearby state - Our Site Investigation maps include potential sources and receptors within 4 miles (ground water/soil contamination) or 15 miles (surface water contamination) of the site center. If this service could be tailored to return results based on a point location or user-defined polygon, this could be useful for us."

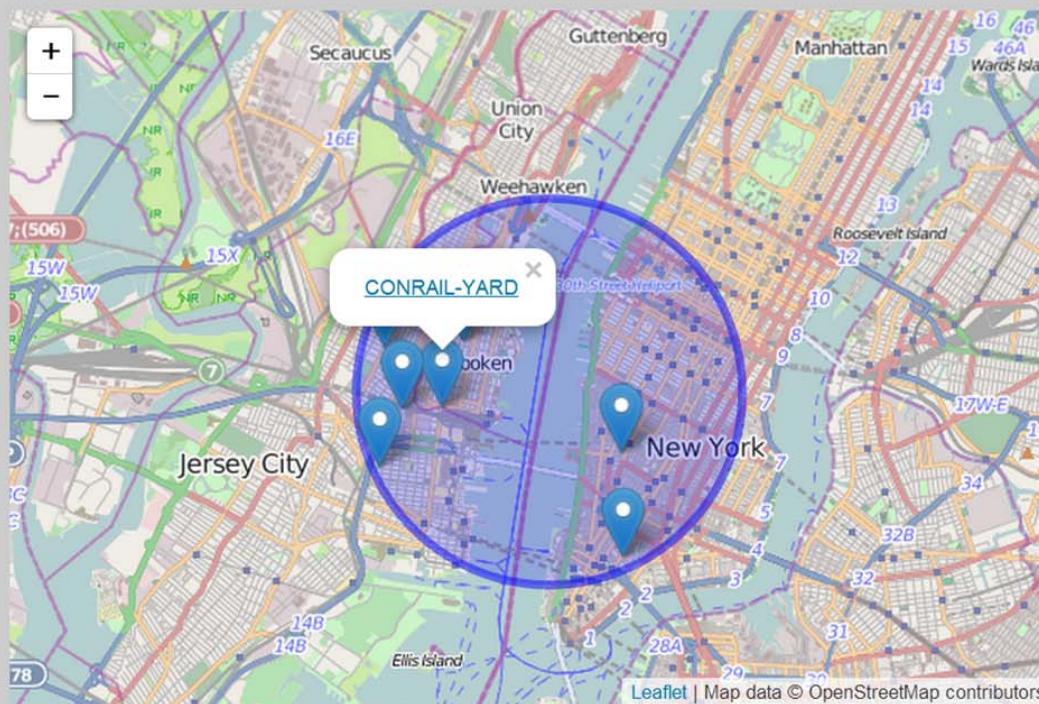
Map Search

Pan and zoom to area of interest; select search parameters, and click on the map to query.

Search National Program: CERCLIS

Search Radius: 2

(miles)



CITY CHEMICAL CORP

- CERCLIS Program ID: NJD001306414
- ICIS Program ID: 2656053
- ICIS Program ID: 811
- NJ-NJEMS Program ID: 7442
- RCRAINFO Program ID: NJD001306414

CONRAIL-YARD

- CERCLIS Program ID: NJD980770036

EIGHTH STREET SITE

- CERCLIS Program ID: NJD986571115

NEW YORK CITY ANTHRAX

<https://github.com/USEPA/FRS-getfacilities-samples/blob/master/MapDemo.html>

APIs – Easy to use



- *The code samples can help jumpstart development, contain a readme doc, references and tips*
- *Easy-to-use tools, which should be accessible to most developers via jQuery or other JavaScript frameworks*
- *Took me (a non-developer) just a few hours and a few dozen lines of code*
- <https://github.com/USEPA/FRS-getfacilities-samples>

A screenshot of a GitHub repository page for "USEPA / FRS-getfacilities-samples". The repository has 33 commits, 1 branch, and 0 releases. The master branch is selected. The page shows files like EIA-EPA_Mashup.md, EN2014_Resources.md, FormLookup.html, LICENSE, MapDemo.html, README.md, SysIDQuery.html, and DEARME.md. The README.md file is expanded, showing its content.

Thank You / Questions?



David Smith	202-566-0797	<u>Smith.DavidG@epa.gov</u>
Ana Greene	202-566-2132	<u>Greene.Ana@epa.gov</u>
Aaron Meyers	202-566-0690	<u>Meyers.Aaron@epa.gov</u>
Lee Kyle	202-564-4622	<u>Kyle.Lee@epa.gov</u>

Topic	URL
FRS Homepage	<u>http://www.epa.gov/frs/</u>
FRS REST Services	<u>http://www.epa.gov/enviro/html/fii/FRS_REST_Services.html</u>
FRS REST Services Demo Code	<u>https://github.com/USEPA/FRS-getfacilities-samples</u>
FRS Data Resources	<u>http://www.epa.gov/enviro/html/fii/dataresources.html</u>
EPA Geospatial Program	<u>http://www.epa.gov/geospatial/index.html</u>
EPA Geodata Gateway	<u>https://edg.epa.gov/</u>