An Introduction to ECHO

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What is ECHO?

Enforcement and Compliance History Online - [https://echo.epa.gov](https://echo.epa.gov)

ECHO is EPA’s public website that provides compliance information about regulated facilities
- How they are regulated
- When they were inspected
- Whether violations of environmental regulations were found
- Whether enforcement action was taken

The site also provides dashboards with views of overall enforcement and compliance status trends and some bulk datasets for download

The ECHO website integrates data from major EPA information systems for public use
Customers and Stakeholders

ECHO is used by:

- Citizen groups
- Non-governmental organizations
- Reporters
- Regulated entities
- Academic researchers
- EPA and state/local/tribal environmental agencies
- Other federal government agencies
- And more!
ECHO Content

Compliance history for more than 1,000,000 EPA-regulated facilities
  ◦ Three–year compliance status and five-year inspection and enforcement history
  ◦ EPA and state, local, and tribal environmental agency data for:
    – Clean Air Act stationary sources
    – Clean Water Act permitted dischargers
    – Resource Conservation and Recovery Act hazardous waste handlers
    – Safe Drinking Water Act public water systems

EPA data for other statutes like Emergency Planning and Community Right-to-Know Act (EPCRA), Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), and Toxic Substances Control Act (TSCA):
  ◦ Inspections
  ◦ Enforcement Action Details
Using ECHO with your Mobile Device

Enable Location Services on your phone.

Search on your mobile device by selecting ‘Use My Location’ when you open the ECHO homepage on your mobile device to search for facilities within approximately 3 miles of your current location.

A pin represents the location at the time of the search relative to the nearby facilities on the map view.
## ECHO Use Cases

### I want to...

<table>
<thead>
<tr>
<th>Identify facilities in my ZIP code that have Significant Violations.</th>
<th><strong>Use This Search:</strong></th>
<th><strong>Instructions:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>ECHO Home</strong></td>
<td>Enter a city, state, and/or ZIP code in the Quick Search by Location search box and click Search. Click on the Significant Violations box on the Search Results Page.</td>
</tr>
<tr>
<td>View charts and summary information about compliance and enforcement metrics for my state or nation wide.</td>
<td><strong>State Dashboards</strong></td>
<td>Use the interactive dashboard for either Air, Drinking Water, Hazardous Waste, Pesticides or Water to select your State or Region or view nationwide trends for compliance monitoring or enforcement activities.</td>
</tr>
<tr>
<td>I want to view facilities with NPDES (National Pollutant Discharge Elimination System) permits in my city that have significant violations and are in areas of EJ concern.</td>
<td><strong>Water Facility Search</strong></td>
<td>On the search screen type in your city and select ‘Significant/Category I Noncompliance’ under Compliance Status, then scroll down to the ‘Demographic Profile’ section and select 1 or More for ‘EJ Indexes Above 80th Percentile’. On the Search Results Page you can add on the EJ Map Layers and Customize columns to show more EJ information.</td>
</tr>
<tr>
<td>Identify EPA cases for Clean Air Act violations in my state.</td>
<td><strong>Enforcement Case Search</strong></td>
<td>Use the &quot;Find EPA Cases&quot; quick search from the ECHO Home page or use the enforcement case search form to select criteria of interest to find relevant cases.</td>
</tr>
<tr>
<td>Assess compliance and enforcement data across multiple facilities owned or managed by a company or corporation.</td>
<td><strong>Corporate Compliance Screener</strong></td>
<td>This tool organizes existing ECHO facility data into reports that highlight recent compliance issues or enforcement actions. Type the facility or company name into the required field, select any other criteria on the search form the click ‘search’.</td>
</tr>
</tbody>
</table>
Searching in ECHO

3 EASY STEPS:
WHAT ARE THE FACILITIES IN JACKSONVILLE, FL WITH SIGNIFICANT VIOLATIONS?
Step 1: Search by Location or Facility Name

On https://echo.epa.gov use the ‘Quick Search’ tab to search by Location or Facility Name/ID.

Click on the ‘More Search Options’ link to view the full search form.

Visit the ‘Quick Start Guide’ for more information on how to use ECHO.

Watch a quick Video Tutorial on how to use ECHO.

Visit the Tool Guide to learn more about other ECHO Searches and Features.
ECHO Navigation Guide

- Perform a search to locate regulated facilities near a specific address, city, state, and/or zip code
- Perform a search to locate regulated facilities by facility name or ID

Quick Search

- Search for facilities by media program – with a focus on:
  - Clean Air Act (CAA)
  - Clean Water Act (CWA)
  - Resource Conservation and Recovery Act (RCRA)
  - Safe Drinking Water Act (SDWA)
- Filter results by location, facility or system characteristics, enforcement and compliance activity, or pollutant
- View facilities on a map or data table
- Facility reports display 3 years of violation data and 5 years of compliance monitoring and enforcement data

Search Options

- Display trends in compliance and enforcement data through dashboards, maps, and charts
- Analyze Discharge Monitoring Report (DMR) data
- Use tools to analyze pollution sources

Analyze Trends

- Download national data sets comprising more than 15+ years of compliance monitoring and enforcement data
- Access ECHO web services
- Access ECHO map services

Data Services

- Find EPA Cases
  - Search for EPA enforcement cases by case or docket number, environmental statute, date, company name, or facility locations
  - View EPA case status, milestones, and penalties

Help

- Read about the latest ECHO News
- Join the ECHO Listserv

News

- View 5-10 minute video training tutorials
- Register for live webinars
- Access documentation to better understand results
- Learn about data available in ECHO and weekly data refreshes
- Read Frequently Asked Questions
- Review the ECHO Tool Guide
Step 2: Search Results Page

Sort column headers by clicking on the column title.

Customize columns on the data table before you download it.

Watch this video tutorial on how to modify your selected criteria and filter facilities.

Click on the hyperlinked ‘Facility Name’ to view the Detailed Facility Report.

Visit the Search Results Help page for assistance.
Step 2: Adding the EJSCREEN Map Layer in ECHO

Click the arrow for ‘Layers’ then for ‘EJSCREEN Maps’.

You can select one or all of the ‘EJ Indexes’ to layer on to the ECHO map.

You may have to zoom in to see these layers.

Click on the i icon for more information about EJ Indexes.

You can use the ‘Search Criteria’ form to search by EJ Indexes above 80th Percentile.
Step 3: Detailed Facility Report

The Detailed Facility Report is organized into six primary sections:

1. **Facility Summary** – Presents a high-level summary of the selected facility.
2. **Facility/System Characteristics** – Provides additional detailed facility identification information that is tracked in the Facility Registry Service.
3. **Enforcement and Compliance** – Summarizes the history of enforcement and compliance activities, including: Compliance Summary Data, Three-Year Compliance Status by Quarter, Compliance Monitoring History (5 years), Notices of Violation or Informal Enforcement Actions (5 years), Formal Enforcement Actions and EPA Case History.
4. **Environmental Conditions** – Describes the health of the environment in which the facility resides (i.e., water quality and air quality conditions).
5. **Pollutants** – If applicable, presents information about the facility's reported chemical releases to EPA's Toxics Release Inventory program.
6. **Demographic Profile** – Presents demographic data describing the 3-mile radius area surrounding the facility.

Resources

Contact Us: https://echo.epa.gov/contact
Help: https://echo.epa.gov/help
Quick start guide: https://echo.epa.gov/resources/general-info/learn-more-about-echo
Video tutorials: https://echo.epa.gov/help/tutorials
Webinars: https://echo.epa.gov/help/training
FAQ: https://echo.epa.gov/resources/general-info/echo-faq
ECHO Mailing list: https://echo.epa.gov/resources/general-info/listserv
Search Criteria Help: https://echo.epa.gov/help/facility-search/search-criteria-help
Questions?

If you have questions after today’s presentation, please use ECHO’s Contact Us page.

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