

ECHO

EPA's Enforcement & Compliance History Online website

EPA's Enforcement and Compliance History Online website gives users access to information about permits, inspections, violations, enforcement actions, informal enforcement actions, and penalties over the past five years for both facilities and water systems in their communities. Data from each calendar quarter becomes available on this tool after the end of the following quarter. Note that all violations must be reported to the EPA, but only a portion of the reported values and units are accessible on this tool. More information is available on the state level tool.

Access ECHO here: <https://echo.epa.gov/>

The screenshot displays the ECHO website's main navigation and search interface. On the left, a vertical menu includes 'Quick Search', 'Search Options', 'Analyze Trends', 'Find EPA Cases', 'Data Services', 'Help', and 'News'. The main content area features a 'Quick Search' header with two tabs: 'Location' (selected) and 'Facility Name/ID'. Below the tabs is a search input field with the placeholder text 'Enter city, state, and/or zip code' and a 'Search' button. A link for 'More Search Options' is positioned below the input field. A descriptive paragraph states: 'Use EPA's Enforcement and Compliance History Online website to search for facilities in your community to assess their compliance with environmental regulations. You can use ECHO to:'. A bulleted list follows: 'Search for Facilities', 'Investigate Pollution Sources', 'Search for EPA Enforcement Cases', 'Examine and Create Enforcement-Related Maps', and 'Analyze Trends in Compliance & Enforcement Data'. To the right of the list are three icons with links: 'Read the Quick Start Guide' (book icon), 'Watch a Video Tutorial' (video camera icon), and 'Explore the Tool Guide' (wrench icon).

Getting Started:

Quick Search

- Search by location, facility name or ID number.

Search Options

- Search for facilities by media program, filter results, and view by map or table.

Analyze Trends

- Analyze discharge report and pollution data; view compliance/enforcement trends.

Find EPA Cases

- Search for and find information on EPA enforcement cases.

Data Services








- Download compliance and enforcement data from the past 15+ years.

Help & News

- Access tutorial and training materials; read news on ECHO tool.

Water Facility Search

The water facility search enables users to look up specific information about these facilities and violation enforcement in their areas. Use the variety of features to filter for different kinds of information, including search type, program area (e.g., biosolids, stormwater), geographical location, facility characteristics, enforcement and compliance, environmental conditions, pollutant type, and demographic profile.

-  Search Type
-  Geographic Location
-  Facility Characteristics
-  Enforcement and Compliance
-  Environmental Conditions
-  Pollutant
-  Demographic Profile

Drinking Water System Search

The same tool as the “Water Facility Search,” but with public drinking water systems selected as the search type. This data is from the EPA’s Safe Drinking Water Information System and not updated in real time.

Water Pollutant Loading Tool

The Water Pollutant Loading Tool calculates and reports facility pollutant discharges based on National Pollutant Discharge Elimination System (NPDES) permit limit and Discharge Monitoring Report (DMR) data. The search feature can be used to look up DMR or Toxic Release Inventory (TRI) discharges by location, pollutant, industry, and facility. Other features link to resources for downloading data and using specialized pollutant tools, like nutrient modeling.

State Dashboards – Water

The State Water Dashboard provides a summary of Clean Water Act regulatory activities on the state and national level, including graphs of facility types, inspections, violations, enforcement actions, and penalties.

Drinking Water Dashboard

The Drinking Water Dashboard presents information about the types of public water systems in North Carolina, as well as the number of public water systems, with site visits, violations, enforcement actions, and returns to compliance.

