



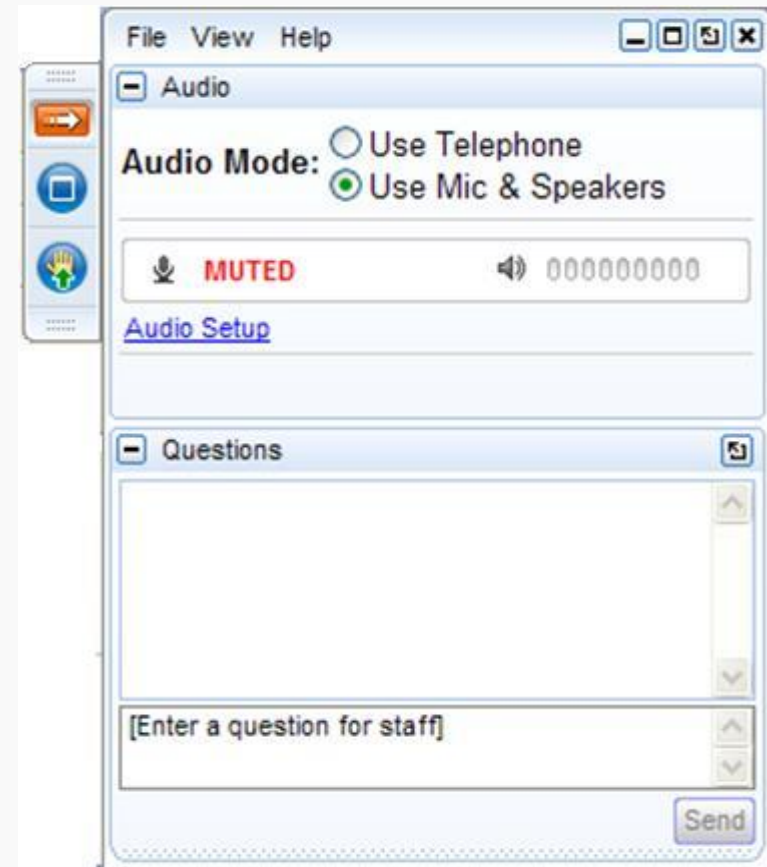
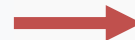
ECHO—Enforcement and Compliance History Online: Map Filter

<https://echo.epa.gov/>

AUDIO INSTRUCTIONS

You are in listen-only mode (muted).

You may submit a question by typing into the *Enter a question for staff box* and clicking the *Send button*.





Questions During the Webinar

- Please use the Questions box to type in your questions throughout the webinar.
- Please make the context of your question clear, as we will be answering questions covering a range of topics (feel free to reference live examples or slide numbers).
- In order to make this webinar useful for all attendees, we will not be addressing site specific or individual problems during this session - please use ECHO's Contact Us page for help with those questions.



Introduction

- The U.S. Environmental Protection Agency provides public access to its regulatory compliance and enforcement data via the Internet.
- The Enforcement and Compliance History Online (ECHO) website at <https://echo.epa.gov> integrates data from major EPA information systems for public use.



What is ECHO?

- ECHO is EPA's public website that provides compliance information about regulated facilities.
 - How they are regulated (Clean Air Act, Clean Water Act, Resource Conservation and Recovery Act, Safe Drinking Water Act)
 - 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.



ECHO Content

- Three-year violation and five-year inspection and enforcement history for more than 800,000 EPA-regulated facilities
- 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 inspection and enforcement action 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)



Sources of ECHO Data

ECHO extracts data from other EPA data systems, typically on a weekly basis:

- Integrated Compliance Information System (ICIS)
- Resource Conservation and Recovery Act Information System (RCRAInfo)
- Safe Drinking Water Information System (extracted quarterly)
- Facility Registry System (links EPA-regulated facilities and permits under one ID number)
- Envirofacts: Toxics Release Inventory (TRI) and Greenhouse Gas (GHG) pollutant release data for context
- Full list with refresh dates on “About the Data” page (<https://echo.epa.gov/resources/echo-data/about-the-data>)



ECHO Features

- Facility searches
 - All Data (cross-program)
 - Air (stationary source)
 - Water (dischargers)
 - Hazardous Waste (RCRA Subtitle C)
 - Drinking Water (public water systems)
- EPA Enforcement Case Search
- Comparative Maps and State Dashboards
- CWA National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR) Pollutant Loading Tool



What is ECHO Map Filter?

- Set of new features, collectively called Map Filter, that **enhance interactions** with facility search results
- Allows you to **start with a national map** to conduct analyses and use interactive features, such as Zoom to Current Location, to isolate an area of interest
- Provides **access to more results** – no limit for aggregated results and up to 100,000 results in Data Table view
- Includes features to **turn facilities on and off** based on a variety of data themes - all without returning to the search form
- **Includes map layers** with themes such as school locations or assessed waters that can be added to enhance visual analysis
- Version 1 brings **additional filtering capabilities** for All Data and Water facilities into a simple map-based format



Why ECHO Map Filter?

- Respond to frequent user request to do more visual analysis on the facility search results page
- Facilitate cross-program analyses by combining multiple data themes into a single view
- Provide familiar filtering capabilities for facility search results – similar to features found on travel, real estate, and shopping sites
- Allow users to modify a search and filter results directly from the search results page
- Increase flexibility – adds option to choose results view preference: Interactive Map or Data Table only



POLL QUESTION



Please enter questions you have as the presentation goes on and we will answer them soon



Live Demo of ECHO Map Filter



POLL QUESTION

(Please enter questions you have now in the question chat)



Question and Answer



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