



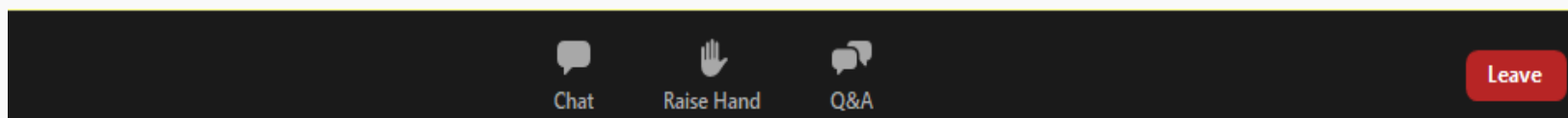
ECHO - Enforcement and Compliance History Online

<https://echo.epa.gov>

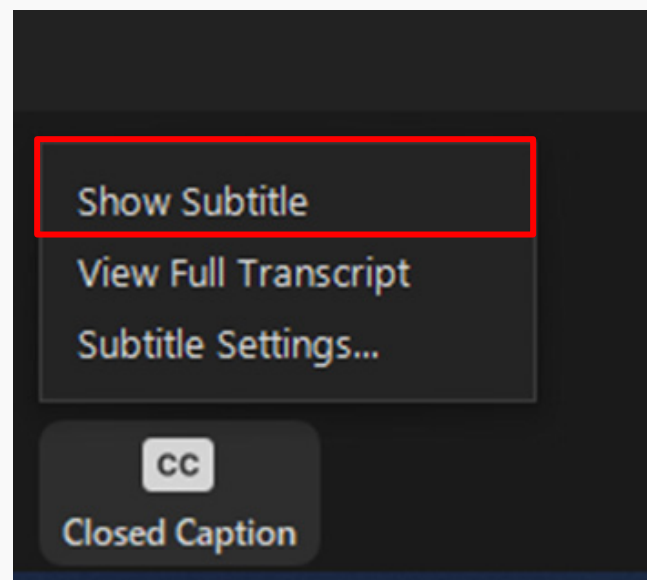


Audio Instructions

You are in listen-only mode (muted).



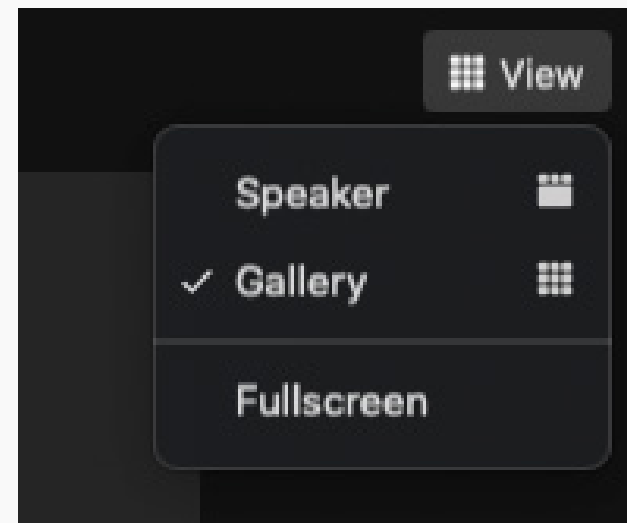
Closed Captioning for today's Webinar is available by clicking the "Captions" button on your toolbar.





Video Instructions

If you don't see a presentation on the screen, try switching the view layout using the options in the top right corner.





Questions During the Webinar

- 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 address site specific or individual problems during this session - please use ECHO's [Contact Us](#) page for help with those questions.



Webinar Materials

A recording of the webinar and transcript, as well as the presentation slides will be posted on the [ECHO Training Page](#).



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
 - When they were inspected
 - Whether violations of environmental regulations were found
 - Whether an enforcement action was taken
- The website also provides dashboards with views of enforcement and compliance status trends and some bulk datasets for download.



ECHO Content

Compliance history for more than 1,000,000 EPA-regulated facilities

- Three-year compliance status and 10-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
 - Safe Drinking Water Act public water systems
 - Resource Conservation and Recovery Act hazardous waste handlers



ECHO Content (continued)

- 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



Sources of ECHO Data

ECHO extracts data from other EPA data systems, typically weekly:

- Integrated Compliance Information System (ICIS)
- Resource Conservation and Recovery Act Information System (RCRAInfo)
- Safe Drinking Water Information System (extracted quarterly)
- Facility Registry Service (links EPA-regulated facilities and permits under one ID number)
- Envirofacts: Toxics Release Inventory (TRI) and Greenhouse Gas (GHG) pollutant release data for context; EJScreen data

Full list with refresh dates on “About the Data” page
(<https://echo.epa.gov/resources/echo-data/about-the-data>)



ECHO Features

- Facility Searches → *under home page “Search Options”*
 - All Data (cross-program)
 - Air (stationary source)
 - Wastewater/Stormwater/Biosolids (NPDES program)
 - Hazardous Waste (RCRA Subtitle C)
 - Drinking Water (public water systems)
- Water Pollutant Loading Tool → *under home page “Search Options”*
- EPA Enforcement Case Search → *under home page “Find EPA Cases”*
- State Dashboards → *under home page “Analyze Trends”*



Advanced ECHO: Data Downloads

This webinar focuses on data downloads offered throughout the ECHO website. It will delve into how to access, download, and use data for offline analyses. Using case studies, this webinar will explore data sets and downloads of search results within ECHO including:

- How to use the ECHO Exporter,
- How to combine National Data Download files, and
- How to download NPDES Discharge Monitoring Report (DMR) data.



Please enter questions you have during the presentation. We will answer them soon.



Working with large datasets

- 8/16/22 Advanced ECHO Data Downloads -
https://echo.epa.gov/help/training#data_2022
- Microsoft: How to handle large datasets -
<https://support.microsoft.com/en-us/office/what-to-do-if-a-data-set-is-too-large-for-the-excel-grid-976e6a34-9756-48f4-828c-ca80b3d0e15c>
- Google Sheets: Connected sheets tutorial -
<https://youtu.be/rkimlhnLKGI>

Data Downloads Resources



- DFR Data Dictionary: <https://echo.epa.gov/help/reports/dfr-data-dictionary>
- ECHO Data Downloads: <https://echo.epa.gov/tools/data-downloads#downloads>
- ECHO Exporter: <https://echo.epa.gov/tools/data-downloads#exporter>
- Industrial Stormwater Facility Search: <https://echo.epa.gov/facilities/facility-search?mediaSelected=msgp>
- Effluent Charts Help: <https://echo.epa.gov/help/reports/effluent-charts-help>
- 2021 MSGP Permit: https://www.epa.gov/sites/default/files/2021-01/documents/2021_msgp_-_permit_parts_1-7.pdf

General ECHO Resources



- ECHO Tool Guide: <https://echo.epa.gov/resources/general-info/tool-guide>
- 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>
- How to Report an Error: <https://echo.epa.gov/help/how-to-report-error>
- State Agency Websites: <https://echo.epa.gov/resources/echo-data/state-websites>
- ECHO Notify: <https://echo.epa.gov/tools/echo-notify>



Question and Answer Session



Thank you for attending today's training!

A short survey will appear on your screen momentarily,
we would really appreciate your feedback.

OMB Control Number: 2030-0051 Expiration Date: 5/31/24

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