Transcript for Environmental and Compliance History Online (ECHO) Intro to ECHO Webinar - How do I Search For...?

February 18, 2020

Good afternoon and welcome to today's Intro to ECHO webinar. Before we get started, let's review a few housekeeping items. Audio is available for this presentation through your computer's mic and speakers or by telephone. Your call-in number as well as your access code is in the control panel box on the right-hand side of your screen. All attendees have been muted to minimize background noise. If you have a question during the presentation, please type it into the questions box on the upper right-hand side of your screen. We will have a dedicated time to answer questions during the presentation. If you experience any technical difficultly please contact us and we will try to troubleshoot the issue. A recording of this presentation will be made available on the ECHO website. And lastly, a survey will appear on your browser when the webinar ends so please make sure to fill that out so you can provide your feedback. And with that, I will pass it on to our speaker Michelle Newmark.

Hi everyone, my name is Michelle Newmark and I work for Eastern Research Group supporting the ECHO website. I'd like to welcome you to the Introduction to ECHO series of webinars, which provide basic demonstrations of searching and navigating the ECHO website. Today we're going to demonstrate a collection of examples of the ECHO Facility Search, which address common questions from new and experienced users. Please feel free to submit any additional questions into the question box and we will leave some time to answer them at the end of the webinar.

This webinar will be recorded and posted to the ECHO Training page, along with the presentation slides and a verbatim transcript.

Now, I would like to take a few moments to introduce everyone to ECHO to make sure we are all starting from the same point. The U.S. Environmental Protection Agency, EPA, provides public access to its regulatory compliance and enforcement data through the Enforcement and Compliance History Online website, which we call ECHO.

Data included in ECHO indicate how a facility is regulated, when an inspection occurred, whether violations were found and whether any enforcement actions were taken.

ECHO presents the data for more than one million EPA-regulated facilities. This includes three-year compliance history and five-year inspection and enforcement history for Clean Air Act stationary sources, Clean Water Act permitted dischargers, Safe Drinking Water Act public water systems, and Resource Conservation and Recovery Act hazardous waste handlers. Data are reported by EPA and state and local environmental agencies. ECHO also includes EPA enforcement action data under other statutes.

ECHO itself is not a data system of record. ECHO pulls data weekly from several EPA program data systems, such as the Integrated Compliance Information System, the Resource Conservation and Recovery Act Information System, the Safe Drinking Water Information System, and the Facility Registry

System. It also pulls select data from EPA's Envirofacts, including Toxics Release Inventory and Greenhouse Gas pollutant release data, which helps provide a more complete picture of facility activity. The About the Data page on the ECHO website provides links to the data sources themselves, as well as specific information on when data are refreshed.

ECHO provides a number of features to help you access and understand environmental data, such as the Facility Search and Enforcement Case Search. You can use these tools to search for facilities that match specific characteristics of interest and then choose specific reports to view detailed environmental information.

We would like to remind you to enter any questions you have into the question box. We will have a question and answer session at the end of the presentation.

Okay, let's begin the live demonstration…

We will demonstrate how to use ECHO to answer common questions from ECHO users. Let's start on the ECHO home page. The first example we'll look at is how do I search for a specific facility? The first way to search for information about a facility is by using the Quick Search on the ECHO home page. The Quick Search lets you search by Location or Facility Name. Entering a Facility name and clicking search will take you directly to a map and table of matching results. The home page Quick Search is a fast and easy way to run an ECHO search if you know the name, ID, or location of a facility of interest.

Alternatively, you can pull up a full search form by selecting one of the Facility Search types on the Search Options tab. We'll perform a search by clicking on the All Data Facility Search link to bring up the full search form. The All Data Facility Search is the broadest type of Facility Search; it returns all facilities in ECHO that match your search criteria. In the Facility Characteristics section, enter the facility name or ID number into the appropriate search box. The full search form has additional criteria that you can use to narrow down your search and we will explore these in later examples.

What if I cannot find a facility by name? Facilities sometimes are known by different names, so it is helpful to try some search variations. There are some things you can try on the search form, change the Active/Operating option from Yes to Any; the full search form automatically defaults to search only for facilities that are designated as Active, so removing this criterion will search all facilities in the ECHO system, including those that are inactive. This is a common reason why facilities do not show up in search results, so we always recommend trying this first. Facilities may also go by different names or may be spelled differently than you expect. You can try to truncate the name to the first five or six letters. If the facility has multiple words in the name, try searching by just one word. You can also try searching by the previous name of the company if there has been a recent change. If you can't find a facility by name, you might also try searching by location. For example, you could search by ZIP code or city and state and see if the facility comes up in the results.

This brings us to our next example. In addition to searching by facility name, there are options that let you search by Geographic Location. How do I search by geographic location using Latitude and Longitude? Start on Hazardous Waste Search, Geographic Location section, and click View More. This allows us to see additional search criteria options. For this example, let's search for Hazardous Waste facilities near Atlanta, GA using latitude and longitude. As a note, you can also allow the site to use your

location; for example by using the GPS on your mobile phone, and it will create a radius around that. The search results show a list of facilities and their locations on the map.

Since we ran a hazardous waste search, what is a Hazardous Waste Facility? A Hazardous Waste facility is a facility regulated under the Resource Conservation and Recovery Act (RCRA) Subtitle C Hazardous Waste Program. It is a facility which handles solid waste materials known to be hazardous meaning that it is dangerous or capable of having a harmful effect on human health or the environment. The facility may generate, transport, treat, recycle, store, or dispose of hazardous materials.

On the results page, what do the symbols on the map represent? The flags or map pins indicate four pieces of information using the stripe color, body color, icon numbering, and icon size. Click on the Map Legend to learn what the symbols and colors represent.

Can I modify the criteria to further focus on an area? Yes. The map initially displays results based on the search criteria entered, but there are additional interactive features on the results page. For example, you can use the 'Zoom To' feature to easily shift to an area of interest.

For our next example, let's look at Hazardous Waste Treatment, Storage, and Disposal Facilities. A Treatment, Storage, and Disposal Facility, or TSDF, is a specific type of hazardous waste handler.

So, where are the operating TSDFs in my state? To answer this question, we need to specify the state and designation of the facilities we are interested in. Let's go back to the Hazardous Waste Search form and clear our previous search criteria. Under the Geographic Location section, select Maryland as our state and under the Facility Characteristics section, select the Universe of Operating TSDFs. The results show TSDF facilities in the state of Maryland.

While we are here, I will mention that ECHO has Help pages associated with every search form, search results page, and report. If you have questions about any of the items on these pages, we recommend selecting the Help link at the top right of the page.

Alright, for our next example, let's look at how we can use the search form to search for facilities using enforcement and compliance criteria. For example, a user might ask "How would I use ECHO to determine the facilities in my state that have been inspected recently by the state environmental agency?" Go to the All Data Facility Search. For this example, we'll search on the state of Virginia. In the Enforcement and Compliance section, under Time Since Last Inspection choose Within 1 year and Agency as State. On the Search Criteria Selected panel, select results view as data table. Note that selecting this option will return results only in a table and not display the map. On the results page, we see the number of facilities with any inspection in the last year conducted by the state. Under customize columns, we have two additional columns of interest, Days Since Last Inspection or Date of Last Inspection. We can check these to add them to the results table. To sort a column, you simply click on the column header. By sorting on Days Since Last Inspection, we can see the facilities most recently inspected in Virginia by the state agency.

How do I learn more information about a facility that appears in the facility search results? On the Facility Search Results, click on the table row associated with the facility. The Facility Summary panel on the right side of the screen will expand. You can click on the More Facility Details in the facility summary or on the hyperlinked Facility Name or C report icon in the table row to open the Detailed Facility Report

(DFR). This is the first report you should look at for more information about a facility. We'll look at this report in a later example.

What do the icons under the Reports column of the Facility Search Results mean? These icons represent the reports available for a facility. To see the name of a report you can hover your mouse over the icon or click on the Reports Legend button on the top right to see descriptions for the different ECHO reports. Reports are specialized to display different environmental information. Generally, reports are specific to data from one environmental program, but some reports cover enforcement and compliance data across environmental statutes. Each report type is represented by an icon, so you may easily identify it throughout the ECHO website.

To learn more about the information in specific reports, we recommend viewing the recording of a previous webinar entitled Advanced ECHO Webinar Reports. You can find it on the ECHO Training page. There is a link to the Training page in today's presentation slides.

Alright, let's start from the homepage for our next example. Go to the Search Options tab and click on the Water Facility Search. The Water Facility Search looks for facilities that have a Clean Water Act NPDES permit. Any point source that discharges pollutants to a water of the US is required to have a pollutant discharge permit.

How can I search on a partial NPDES permit number? The Water Facility Search allows entry of partial ID numbers with at least two characters. You can type a partial ID to return facilities with ID numbers that begin with the search term. This can be particularly helpful to search for facilities covered under a NPDES general permit, because the permit numbers often have a standard naming convention. For example, search on DCR12 to see all facilities covered under a general permit for construction-related discharges in Washington, DC, EPA's 2017 Construction General Permit.

How can I search for wastewater treatment plants, also known as publicly owned treatment works POTWs? Go to Water Facility Search and clear the search criteria. We often receive questions about how to search for wastewater treatment plants and we wanted to share a few strategies, since users may define this universe of facilities differently. One way to search is to use industry classification codes. For example, Standard Industrial Classification or SIC Code 4952 represents sewerage systems establishments primarily engaged in the collection and disposal of wastes through a sewer system. Let's do a search for facilities in Maryland with this SIC code. Here, we can use the Customize columns feature again. We'll add SIC Code, Facility Type, and Permit Components. The Facility Type field gives you additional information about the sewerage system. It indicates the ownership type in EPA's source database. Facilities could be classified as publicly owned treatment works (POTWs), non-POTW, federal, or state. POTWs are sewerage systems owned by state, tribal, or municipal governments. Non-POTWs that have SIC code 4952 are typically smaller, privately-owned systems, serving schools, campgrounds, etc. Note Permit Component is the third field that can identify POTWs. Furthermore, we get a lot of questions about flow information. We do offer two flow fields in Customize Columns: Facility Design Flow and Actual Average Facility Flow. These are flows that were included on the facility's NPDES permit application.

Okay, since we did a couple of examples for Water, we'll do the next one on Drinking Water. How do I search for drinking water systems with specific types of violations? For this example, we'll use the Drinking Water System Search. Let's search for larger drinking water systems with reporting violations.

Note that we can approximate the size of the system using the number of people served. Select Monitoring and Reporting Violations from the Enforcement and Compliance criteria. The results show a list of systems that either failed to conduct regular water quality monitoring or did not submit monitoring results in a timely fashion to the drinking water environmental agency.

Select the Facility Name to view the Detailed Facility Report. The DFR presents detailed enforcement and compliance information for a facility. It is organized into six sections, with the Facility Summary providing summary information for the main statutes available in ECHO. Generally, when reading the report from top to bottom, information will flow from overall summaries to more detailed information, split out by each environmental program. In the Enforcement and Compliance section, the SDWA Violations and Enforcement Actions 5 Years table may have more detailed information.

If you have questions about the data fields on the DFR, we recommend reviewing the DFR Data Dictionary, which you can access by clicking the Book icon next to each section. The Data Dictionary provides definitions for the data and descriptions of each of the report sections. A link to the Data Dictionary will also be included in today's slides.

While we are looking at the DFR, we also want to point out the ability to report a data error using the button at the top of the report. If you suspect that there is an error in the data on the DFR, whether it's an incorrect date, wrong facility address, etc., you can use this button to submit a report to EPA where it will be reviewed and corrected if necessary.

After clicking this button, scroll down to the line of the report that contains the suspected data error and click on the yellow triangle at the right side of the row. If the row doesn't have a triangle, scroll back up to the top of the report to submit a general error.

After making one of these selections, you will be asked to submit your contact information and an explanation about the error. Please include as much specific information as you can to help the responsible official review and correct the data as appropriate.

I will note that ECHO pulls all of its compliance and enforcement data from source databases, and the ECHO team does not make any corrections directly. Whenever a user reports an error, the report goes to someone who can make the correction in the applicable source database. After an error report is submitted, it can take some time for report to be researched and the correction to be made in the source database. A correction will then be visible on ECHO after its next data refresh.

Similarly, since ECHO pulls data from many different databases, ECHO helpdesk staff are unable to answer questions about the inspections, compliance issues, or enforcement actions for specific facilities. If you have a question about the compliance and enforcement activities shown on a DFR, we recommend contacting the permitting agency for the facility, which is usually a State agency or EPA Region.

If you would like to learn more about ECHO data sources, refreshes, and corrections, we recommend viewing the Behind the Scenes webinar that we recorded earlier this year, which is available on the ECHO Training page. You can also view the About the Data page, which contains a list of source databases and refresh schedules. Finally, more detailed information about reporting a data error is available on the Report a Data Error page and in the Detailed Facility Report video tutorial. Links to each of these pages are also available in today's presentation slides.

We can start our next search using the map to explore the data by clicking on Map Any Facilities with Enforcement and Compliance Data. This is a nationwide map of all the ECHO facilities. We can specify criteria directly on this page to refine these results.

So, our next example question is how do I find facilities with recently identified violations near my community using the map? On the Current Search panel, check Facilities with Significant Violations. Data are clustered by state on the map, let's look at Arkansas. Now we see pins for each facility. As indicated by the top stripe color on each pin, facilities may be regulated under one or more statutes. Let's use some of the features in the filter facilities panel. Let's look only at facilities with Air IDs regulated under a Clean Air Act program. When we use the Filter Facilities panel, the map and table dynamically update. You can choose whether to show only those facilities matching your criteria. Alright, let's pause here and see if we have any questions. If we have time afterwards, we'll cover a few more example searches.

Thank you Michelle. Yes, we do have some questions that have been submitted.

The first one is, Can you advise how to link specific facilities to their corporate parent if their names are different?

I can give a quick answer to this one. ECHO in general doesn't have any corporate linkage data so if you have different facilities with different names that you want to track then we recommend looking them up individually through the ECHO searches and then recording their facility IDs because the facility searches do have search criteria where you can enter the facility IDs directly to pull specific facilities. So, after you have found all the specific facilities that you do want to track, you can put them in a list and search all of them at once. Eva did you want to add anything to that?

Yes, we also have a separate tool which we are not demoing today called the Corporate Compliance Screener which will also help you do the same thing; search for facilities by name and then compile a list of related facilities that you want to search on all together.

Another question that we have is, Why are the regulatory inspections only limited to the last 5 years?

There are some laboratories that may have not been inspected that often and they need information for agencies to verify they have been inspected. I think this question is asking where can they find data that is older than 5 years which while ECHO reports and facility searches are limited to the last 5 years for compliance monitoring and enforcement data, we do have a data downloads page that contains data that is older than that, going back to the inception of different programs. If you go to that data services tab and click on the National Datasets link that will take you to the Data Downloads page where you can get large downloads of ECHO data with data that is older than what is available on the reports.

We have somebody who asked, Can you easily segregate public facilities such as wastewater treatment plants or federal facilities from non-public facilities?

Yes, let's look at the Water Facilities Search for this one. We do have several search criteria available in the Facility Characteristics section. If we click the View More button here, you can see we have search criteria for Federal Agency and that will allow you to search across either all agencies or specific ones. And then we have a separate search option for an ownership type which also categorizes facilities generally by ownership so there are a few different classifications here splitting out Federal Facilities

from county or other State and local governments. You can use these Federal Agency – Owner/Operator in conjunction and switch and adjust the logic to look for both criteria or one or the other. Most of these are also available on the other search types. There is a third one, facility type indicator which is specific to these NPDES or Clean Water Act facilities but also differentiate public facilities and private.

We have another question that asks, Can I use the ECHO search to find out if hazardous materials by a contractor have been properly disposed of?

On the Hazardous Waste Search at this time you can look for compliance issues at a particular facility but not the specific issue. You can also search for releases of chemicals or where they said they transferred the chemicals from a site or a hazardous waste handler through looking at TRI data. And TRI is a separate data set that we are going to talk about in depth in one of our next examples but we link in that extra data set in here for context and to provide a little more information about the types of facilities and chemicals that are used or stored at a facility.

Any more questions?

Yes, we have a user who is asking, When they do a facility search, what report should they look at first?

We suggest looking at the Detailed Facility Report first, that is the C icon here. That is the most comprehensive report that we have and it provides information across all the statutes that may apply to a facility. And there are other specific reports if someone is interested in water discharge data or other specific things and we would definitely recommend looking at some of our other tutorials or training to learn more about the specific reports.

Another user is asking, Does ECHO track TRI facilities?

Yes, you can search for and see some TRI data throughout the site. We have search criteria for TRI in most of the facility search types and then we will show another example. We have some information on the Facility Search Results and then a little bit of information in the Detailed Facilities Report as well for TRI. We also link to another EPA website to provide more detailed information for what is reported on the Toxics Release Inventory.

We have a question that asks, What is the best way to search ECHO for Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Good Laboratories Practice (GLP) facilities, labs and sites for inspection history for which the name is known?

I think this is just asking how to search for facilities that have been inspected that you know the name of. The most general way would be do an All Data Search either using the facility name separate or facility ID numbers if you know them. Generally, we recommend once you do identify facility by name it is easier to keep track of them by ID numbers, that usually typically doesn't change. That way you can save a set of IDs and rerun searches, similar searches over time as needed. I suggest starting here, searching by name or ID and then looking at the inspections that are listed in the Detailed Facility Report.

Another user is asking, Does ECHO have information on State DOT permits?

No, ECHO does not include the Department of Transportation permits at this time.

One user is asking, If we have multiple IDs listed with their State agency, will all of those IDs associated with the facility be visible?

Yes, if that information is in a Federal database. One way to check for multiple IDs for example, some facilities may have more than one NPDES permit if they are a rather large facility or have different processes on site. One thing you will see here when you are on a DFR, you will see all the different permits or regulatory IDs listed here in the facility summary and then also listed in the table here as well. Not a great example on this slide because there is only one ID but a full listing of any linked permits or identifiers in EPA's system will be listed in this section of the DFR.

We have one user that wants to know, Can you get local as well as Federal info from this program?

Some local information is entered into Federal databases so it is limited to whatever is entered into EPA's data system. Typically, there is some local information from more localized regulatory authorities for Air information. It is going to depend on the data system. Generally, we are always getting more and more data entering into the EPA's data systems over time.

Another user wants to know if there is a preferred browser to use ECHO in.

Yes, we recommend using Google Chrome. It is now the EPA's standard browser and you can also use Firefox or Internet Explorer.

The user just says the data download page includes FIFRA facilities that haven't been included within this database in the past. Such as FIFRA GLP facilities. Can they be found in the download data dump?

I'm not sure for that specific type of inspection if that is included in data download. We can certainly take a look at that after this webinar and respond back.

Eva, sorry to break in, this is Rebecca Kane at EPA, we don't have data about the FIFRA facilities on their own but if you go to the National Datasets we do have inspections for the FIFRA facilities. So that would be in the ICIS data sets, if you scroll down. This data set has EPA inspections and enforcement actions at any facility type including FIFRA facilities. Okay.

Another user is asking, Can a search tell you the types of hazardous material generated at a site, they may be different than the TRI chemicals?

If this is regarding hazardous waste sites, we do not have a specific information about what is generated.

This is Rebecca again, that would be a different EPA site so EPA has a site called RCRA Info Web so if you just Google that you can find RCRA Info Web and that is the hazardous waste program office publishes data about the types of waste produced at different hazardous waste handlers.

We have a few users asking questions about GLP which I believe means Good Laboratories Practice facilities and they want to know if ECHO tracks them. That is under FIFRA.

Yes, so again we don't have a lot of information on those types of facilities and that the different facilities that are regulated under that program. If you go back to the All Data search, as we just showed

on that data downloads page we include information about EPA inspections at these types of facilities and also on this All Data search page if you go down to Enforcement and Compliance you can search for EPA inspections at FIFRA regulated facilities. Yes. So again, there is not going to be specific facility information but if there has been an inspection there then it will be in ECHO.

We have a user who missed the first part of the webinar and they want to know if there is a way to search by facility type for hazardous waste whether can you search by large quantities generator or small quantities generator.

Sure. So that information here is in the Facility Characteristics section under Universe.

We have time for one more question then we will go back to the examples. Does ECHO identify a site's waste generator status or it's waste streams?

Part of that question can be answered by the Universe. It's where they are talking about hazardous waste generators. Another thing kind of indirectly identifying waste streams would be just by searching on the different media type. The facilities are regulated at the different statues based on their waste stream. Go ahead Rebecca.

Specifically, for hazardous waste, ECHO is really focused on the Regulatory Enforcement and Compliance side of things. For more information about the types of waste and waste streams at hazardous waste facilities, again it would be good to go RCRA Info Web where that specific program information is published rather than just saying let me see if I can do that for you. RCRA Info Web is at RCRAPublic.epa.gov and again they have the E-manifest and bi-annual report program data that talks about waste stream generators and different types of information.

Okay, let's go back to a few more examples.

Thanks Rebecca, Eva and Melinda for answering those questions.

How do I search for facilities releasing a specific pollutant? So far, we've looked at search examples focused on geographic location and compliance status. The next couple of examples will show you how to search based on specific pollutants released by facilities. First, we'll do this using the Water Facility search. We can use this search to find facilities in Alabama that report wastewater discharges with Chlorine. In the Pollutant section, type chlorine into the pollutant search box. The dropdown will automatically show matching values as you type. Note: you can also search for specific pollutants or contaminants on the Air facility Search and Drinking Water System Search. In the Search Criteria Selected box, let's select the Data Table results view and click Search. The results show facilities matching our criteria. To learn more about the specific pollutant discharge data, select the Effluent Charts Report 'E' report icon. The Effluent Charts page presents dynamic charts and tables of permitted limits, reported releases, and violations over time for Clean Water Act wastewater dischargers. On the Effluent Charts page, select Chlorine, total residual from the summary grid. This will automatically generate a chart for the corresponding outfall and pollutant. On the chart, we can see the Chlorine concentrations reported over the last three years. The lines represent the numeric limits for chlorine in this facility's permit. The points represent discrete measurements of chlorine over time.

Okay, so that was an example of using permit compliance data to track pollutant releases. Let's start on the All Data Facility Search Form for our next example. How do I find facilities that report to the Toxics Release Inventory? The Toxics Release Inventory or TRI tracks the management of certain toxic chemicals that may pose a threat to human health and the environment. U.S. facilities in different industry sectors annually report how much of each chemical is released to the environment air, water, or land disposal.

To be clear, many facilities are required to track and report these releases, but these data are not a measure of compliance. Including this information on ECHO is intended to provide context about the facility.

The Pollutant section of the Facility Search form has options to search for facilities reporting to TRI and by amount of chemical releases.

If you are interested in any facility that reported to TRI, use the All Data search. If you are interested in a particular type of environmental release air, water, land, you will need to select one of the corresponding search types. For example, let's search for Water Facilities that reported direct discharges to surface waters, such as rivers and lakes over 10,000 pounds. Let's use the data table view. On the results page, go to customize columns and select TRI Surface Water Releases to view the pounds of chemicals released to surface waters in the most recent reporting year, 2018.

Note that not all facilities report to the TRI Program. Refer to the Results Guide for more detail about TRI and any of the information presented on this page.

How do I search for releases of air pollutants? Go to Air Facility Search, set State Utah, and go to the Pollutant section. Under National Emissions Inventory NEI, select Has EIS ID, Year 2017 and NEI Emission Category Particulate Matter PM.

What is the NEI? The National Emissions Inventory is a comprehensive and detailed estimate of air emissions of criteria pollutants, criteria precursors, and hazardous air pollutants from several sources. ECHO Facility Search includes data from stationary point sources, such as industrial or commercial facilities.

What is PM? Particulate Matter is a mixture of small particles and liquid droplets in the air. PM can cause reduced visibility or haze in some parts of the country. Since they are small enough to inhale, exposure to PMs can lead to respiratory health issues. On the results page, hide the table. Zoom in two to three times to center on the state of Utah. Under the Layers panel, let's add a layer to the map. Under Air Maps, let's check Nonattainment Areas by Pollutant. Next to each layer is a corresponding legend. We can see several areas of nonattainment for PM 2.5 or 10 microns. The dark blue and dark green areas.

What is nonattainment? An area in the U.S. that does not meet one or more of the National Ambient Air Quality Standards for six commonly found air pollutants, designated in the Clean Air Act. You can learn more about this on EPA's website.

I pointed out a couple of help pages during this webinar, but I'll mention them again. If you want more information, ECHO has extensive help documentation for each page. On the Facility Search form, clicking

the Help link will take you to a Search Criteria Help page with descriptions and guidance for each of the search options. Similarly, on the results page, clicking the Help link will take you to a page with guidance on how to use the page and links to pages with definitions for each of the results columns. Furthermore, if you have a question that is not answered by the help pages, you can always use the Contact Us link, which is available at the top right of every ECHO page.

We have included links to these help pages and to other guidance pages in today's webinar slides. And that marks the end of our demonstration. A recording of this webinar as well as the presentation slides and transcript will be posted to the ECHO Training page.

We have time for a few more questions. Okay, we have a user who is asking, Can you search all of the facilities that use a specific chemical?

Depending on the search type, you can search for chemicals that are either released or discharged. This would be the same section that we just showed on Water search, Water and Air searches. And I'll point this out again on the Air search as well. These may not include every single chemical that is specifically used. It focuses on releases.

Okay, so if you search for a drinking water system, does it show what types of pollutants are treated?

For drinking water systems, you can't search for every single pollutant that may be treated but for some Enforcement and Compliance information specific to certain contaminants. So, you can get information about lead and copper and other contaminants that may be in violation. The other place that we pointed out in one of the examples on the Detailed Facility report which I don't have still loaded to bring up where there are a few specific tables in the Detailed Facility report specific to drinking water where you can get a little bit more information on what is being monitored and related compliance information.

There is a user who is asking how often is the data on ECHO updated? They say they have noticed some inconsistencies.

ECHO data is refreshed typically weekly from EPA Source system. If you go to this page about the data, you can see the last date information was extracted from the Source Database System and the next expected extract date as well. So, most data are refreshed weekly and we have some other data that are refreshed quarterly such as drinking water and some other datasets that are included for context. If you have any questions about the data you are seeing we would suggest first looking at the help content that is available and then you can also contact us with questions through this link at the top. Or also take a look at the Report an Error data page if there is something very specific or a potential error or inconsistency.

There is a user who wants to know if there is a correction to be made to the information, how long does it take for that correction to happen.

The time it takes to look into an error is going to depend where the error is routed and how long it takes to verify the error. Typically, we would give, if something is corrected in the source system, we allow

about 2 weeks to see that information refreshed in ECHO just to adjust for refresh schedules between the different data systems. You can expect a few weeks in general. But if you do submit an error you will get notified of the status of that error as staff at EPA or State staff or other regulatory agencies look into the error and try to resolve the issue.

We have a user who wants to know if ECHO has any Toxic Substances Control Act (TSCA) information.

Hi, this is Rebecca Kane at EPA again. This is a similar answer to the FIFRA question is that ECHO will show information when there was an inspection or enforcement action related to the TSCA program. You would be able to find that information from doing an All Data Search and then it is also listed on the Detailed Facility Report.

I believe those are all of the questions that we have had submitted.

Great, thank you Michelle, Melinda, Eva, and Rebecca. This is Madeline LaPatra and I conduct training and outreach for ECHO at the EPA. On behalf of all of us involved with this ECHO training, thank you for participating in this webinar. If you think of any additional questions about using ECHO, please feel free to contact us using the Contact Us link at the top right on any ECHO page. And I also wanted to remind you that a brief survey will open up as soon as this webinar ends. We would really appreciate your feedback. Thank you again and I hope you have a great week.