

# ECHO Facility Search Map - Filter Facilities Tutorial Script

The tutorial narration is spoken over a video recording capturing movement on the screen. Specific actions are described within brackets.

## **Introduction**

[Begin on ECHO home page <https://echo.epa.gov> in an Internet browser.]

In this brief demonstration, we will show you how to use the Filter Facilities feature that appears with the mapped facility results from an ECHO search. You'll learn how access and use this feature, and we'll walk you through an example.

## **Quick Search**

The Filter Facilities feature on the search results page allows you to explore and refine your search results on the interactive map by further selecting Facility, Enforcement and Compliance, and Demographic characteristics. The Filter Facilities feature will be available on the results page when the interactive map is present, regardless of whether you start from ECHO's homepage Quick Search, a Facility Search form, or a national map view. *[Note: To access the national map view, using the Tab key navigate to "Search Options" and press Enter. Within "Search Options", use the Tab key to navigate to "Map Any Facilities with Enforcement and Compliance Data" and press Enter].*

For this demonstration we will run a Quick Search on a city and state. *[Using the Tab key, navigate to the Quick Search panel, and using your keyboard, type "Fort Wayne, Indiana" in the textbox and press Enter].*

By default, the quick search takes us to the "All Data" Facility Search results page. Running an All Data search will search for certain facilities regulated under the Clean Air Act, Clean Water Act, Safe Drinking Water Act, or Resource Conservation and Recovery Act. These are the four main statutes for which ECHO has data.

The current search found over 800 facilities. When more than 500 facilities are returned, the map displays clusters of facilities. The number within each green circle indicates the number of facilities around that location. Refer to the "Map Legend" for descriptions of the symbols used on the map *[Note: To access the map legend, use the Tab key to navigate to "Map Legend" above the national map view and press Enter].*

## **Filter Facilities**

Now, let's look at the Filter Facilities tab. Notice that the Filter Facilities feature is not available when more than 500 facilities are displayed on the map *[Note: The Filter Facilities tab is located on the right side of the screen under "Facility Summary" and "Current Search" tabs]*.

To use this feature, we need to reduce our search results. A simple way to do this is to zoom in toward a location on the map. Moving or zooming in or out of the map automatically updates the search results to include only facilities that are visible on the map, so zooming in will reduce our search results. When we zoom in on an area with fewer than 500 facilities, the map will display pins to indicate individual facilities *[Using the Tab key, navigate to the zoom in button and press Enter three times]*.

## **Filter Facilities Example**

Now that we have fewer than 500 facilities on the map, we can use the functionality in Filter Facilities. This panel lets you filter the mapped results based on Facility, Enforcement and Compliance, and Demographic characteristics *[Note: To filter map results, use the Tab key to navigate to the Filter Facilities panel and checkboxes. Press Enter to select or deselect a checkbox]*.

Next to each checkbox is the number of facilities on the map that fit that criterion. For example, we can see that selecting "Has RCRA ID" from the Facility Characteristics section would filter our results down to even fewer facilities. The counts are updated as additional filters are selected.

For this example, suppose that we are interested in viewing hazardous waste facilities. Certain facilities that generate, transport, treat, store, or dispose of hazardous waste will have a Resource Conservation and Recovery Act or "RCRA" ID. Let's apply filters for facilities that have a RCRA ID *[Using the Tab key, navigate to "Has RCRA ID" under Facility Characteristics and press Enter]* and that have one or more violations in the last three years *[Using the Tab key, navigate to the 'Facilities with Violations' selection under Enforcement and Compliance Characteristics and press Enter]*. Notice that the counts next to other criteria have decreased based on our selections.

Both the map and table automatically update to show only the matching search results. Right now, the table and map are showing only facilities that have a RCRA ID and violations under any statute in the last three years. Other facilities are hidden.

If you want to display all the original facility results on the map and table while still applying your filter selections, de-select "Only Show Matches" *[Note: To display the original facility results, use the Tab key to navigate to 'Only Show Matches' and press Enter to deselect]*. This allows you to see the facilities from your original results that do not meet the criteria currently selected in Filter Facilities. These facilities are highlighted in gray. Re-selecting "Only Show Matches" will update the map to display only the filtered results *[Note: To display only the*

*filtered results, use the Tab key to navigate to ‘Only Show Matches’ within the Filter Facilities panel and press Enter].*

If you want to completely start over with your filter selections, remove them by clicking on “Clear All” *[Using the Tab key, navigate to ‘Clear All’ within the Filter Facilities panel and press Enter].* The map now shows all facilities in the map extent that match our original search on Fort Wayne, Indiana.

As we demonstrated, only the facilities visible on the map are shown in the results. If you have found the set of facilities of interest to you and want to move the map around without changing the results based on the extent of the map, you can turn off these dynamic updates by deselecting “Sync Map and Table”. This lets you zoom in, zoom out, or pan the map without updating the filtered results *[Note: Use the Tab key to navigate to “Sync Map and Table” and press Enter to select or deselect the checkbox].*

If you see a specific facility that you want to know more about, you can click on the facility icon on the map to load the facility summary *[Using the Tab key, navigate to a map icon and press Enter].* The Facility Summary shows you a quick summary of the facility’s compliance status. You can also get to this summary by clicking on a row in the table *[Using the Tab key, navigate to any row in the table and press Enter to select a different facility].*

If you want more information about a particular facility, you can go to the Detailed Facility Report by selecting “More Facility Details” *[Using the Tab key, navigate to “More Facility Details” on the right side of the screen under “Facility Summary” and press Enter],* the hyperlinked name of the facility in the table *[Using the Tab key, navigate to the hyperlinked name of the facility in the table and press Enter],* or the red “C” icon *[Using the Tab key, navigate to the “C” icon under the “Reports” column on the table and press Enter].* The Detailed Facility Report provides detailed information about the facility’s enforcement and compliance history.

If you want more information about how to use the Search Results page and what the different data fields represent, we recommend reading the Results Guide, indicated with a book icon *[Note: Use the Tab key to navigate to the Results Guide above the table and press Enter].*

### **Closing Statement**

During this demonstration, we reviewed the Map and Filter Facilities feature available on the ECHO Facility Search results page. We encourage you to start using the feature to enhance your analyses when using ECHO.

And remember, you can always find support on how to use the Facility Search or other ECHO features by reviewing ECHO’s help content. Click the Help link to access the Help content *[Note: Using the Tab key, navigate to the Help link and press Enter].*