



Regulated Facilities and Geographic Boundaries Viewer User Guide

Prepared by
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Application Overview

The Regulated Facilities and Geographic Boundaries Viewer, hereafter referred to as “the Viewer,” is a webpage with an interactive map that allows users to view a number of layers, including Aggregate Production Operation Facility Boundaries (APO), Petroleum Storage Tank (PST) facilities, Municipal Solid Waste (MSW) landfills, Industrial and Hazardous Waste (IHW) facilities, and Medical Waste Permitted facilities. This user guide outlines a range of helpful tools and widgets offered in the Viewer, designed to enhance your experience.

What Is a Tool?

The Viewer includes *tools*, or clickable map features, to help you most effectively navigate the map. Among others, the available tools include zooming functions, a scale bar, and a coordinate indicator, all of which are outlined in this user guide.



What Is a Widget?

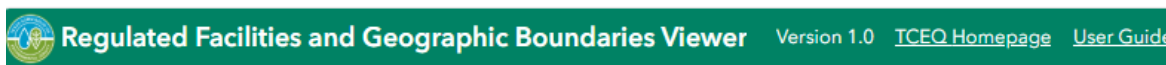
The Viewer also includes *widgets* to further tailor your experience. Widgets are interactive buttons that, when clicked on, open menus with additional options. The widgets along the left-hand side of the map make up the left menu, providing easy access to the Viewer’s available widgets.



Navigating Around the Map

Viewer Header

The header section includes the Viewer's title and essential information. It provides links to the TCEQ Homepage, the Viewer's landing page under the TCEQ Geographic Web Apps page, and this Viewer's User Guide. A version number may also be displayed to assist version control for developers.

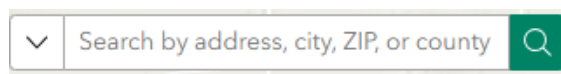


Tools

Search Bar

Type in an address or place into the bar to search for a location. As you type, you will be presented with similar matches. If you see your desired location appear, simply click on it and the map will zoom to that location. Or you can complete typing in the location and then press

Enter on the keyboard or click the **magnifying glass**. You can click the **Clear** button  on the bar to clear out the search bar.



The following are examples of the types of searches you can perform.

- Addresses: 17041 El Camino Real, Houston, TX, 77058
- Names of places or projects: Houston Zoo, Cedar Bayou, Trash Bash

Zoom

The zoom tools are located on the bottom right-hand side of the map application.



Click the **zoom in** button once or multiple times to **zoom in** at fixed increments

**Zoom Out**

Click the **zoom out** button once or multiple times to **zoom out** at fixed increments.

**Default Map View**

Click the **default map view** button once to return to the default extent.

**Find My Location**

Click the **find my location** button to take you to your current location.

Scale Bar

Shows the scale of the map at your current extent, located in the bottom left corner of the Viewer window.

**Coordinates**

The Coordinates widget is found on the bottom left corner of the Viewer window, above the scale bar. The coordinates automatically update to the location of the cursor in the Viewer window.



To get the coordinates of a particular location on the map, click on the **Enable clicking the map to get the coordinates**  button.

Click on the map to create a marker . The coordinates widget will update with the coordinates of the marker.



You can copy the coordinates of the marker by clicking the **Copy**  button.

Overview Map

The Overview Map tool provides users with a smaller navigational map that offers an overview of the entire map or application. It helps users quickly locate their position within the larger map and navigate more efficiently.

To use the Overview Map tool, click on the **Overview** arrow  located in the upper-right corner of the map, directly below the header bar.



A small map will appear, displaying your current view within a larger extent.

To pan, click and drag the dark grey rectangle  within the overview map to adjust your location.

To collapse the small map, click on the **Overview Map** arrow  again.

Widgets

Left Menu Widgets

The left menu is located on the left-hand side of the Viewer. It hosts individual widgets to conduct varying actions such as measuring or changing the basemap being displayed.

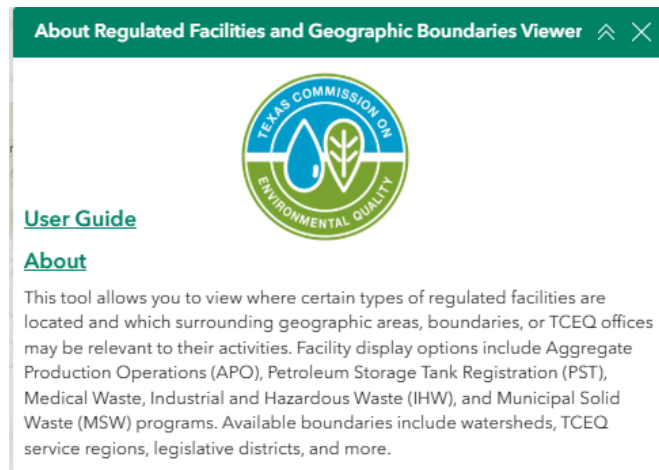
	About Regulated Facilities and Geographic Boundaries Viewer
	Legend
	Map Layers
	Customize Area (Buffer Distance)
	Query
	Add Data
	Basemap Gallery
	Measurement
	Bookmark
	Print



About Regulated Facilities and Geographic Boundaries Viewer

The About widget provides users with essential information regarding the application, including its purpose, user guide, data sources, and any credits or acknowledgements related to the content.

To use the About widget, click the **About Regulated Facilities and Geographic Boundaries Viewer**  button in the left menu.



This opens a brief description of the application and the links.

To close the window, click **Close**  in the upper right-hand corner.

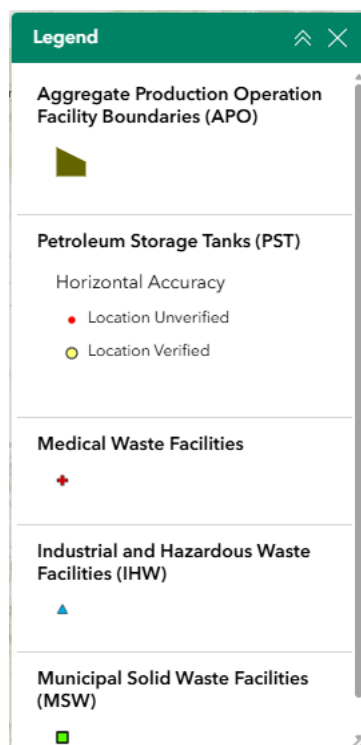
To collapse the window, click **Collapse**  just to the left of the close button.



Legend

The Legend widget shows the symbols for the various layers on the map.

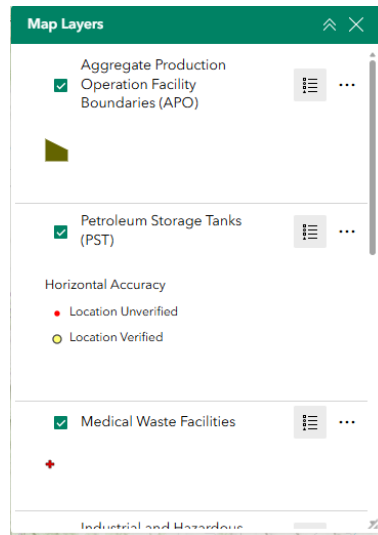
Simply click the **Legend** button  in the left menu.



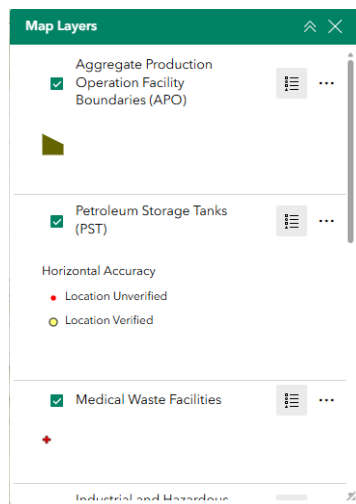
Map Layers

The Layers widget can be used to turn on and off data layers such as the Surface Water Intake and the current query results.

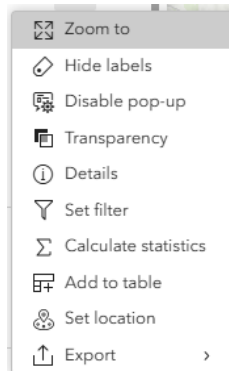
To view the layers, simply click the **Layers** button  in the left menu. Then browse through the available layers.



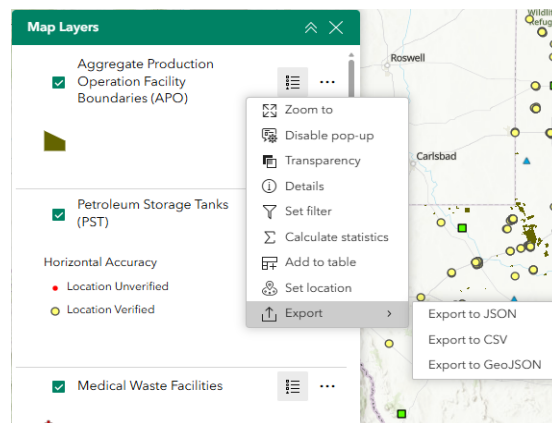
To Toggle the layer visibility, locate the layer in the list and click on the **check box** next to the layer name. This toggles the visibility on and off the map.



To Zoom, order, get details and statistics of the layers, click on the **options** button  and select the desired option.



To export layer data, click on the **options** button , select **Export**, and choose desired export format (JSON, CSV, or GeoJSON).



Expand the layer by clicking the small arrow to the left of the check box. Here you can see the layer symbology.



To close the window, click the **Close** button  in the upper right-hand corner.

To collapse the window, click the **Collapse** button  just to the left of the close button.

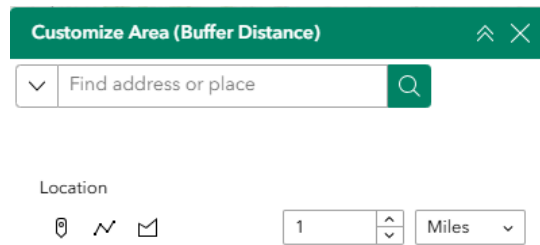


Customize Area (Buffer Distance)

This widget creates buffer zones around selected features to analyze proximity or impact.

This tool allows you to view the incidents in a specified area, point location, or along a line. You can download and print a list of incidents using this tool.

Use the **Buffer Distance** widget  to locate features (points, polylines, or polygons) within a specified buffer distance of a chosen location on the map.



The screenshot shows the 'Customize Area (Buffer Distance)' widget. It has a green header with a close button. Below the header is a search bar with a dropdown arrow and a magnifying glass icon. Underneath the search bar is a 'Location' section with three icons: a point, a line, and a polygon. To the right of these icons is a numeric input field set to '1' and a unit dropdown menu set to 'Miles'.

Integrated Search: The main search bar of the map is linked to the Buffer Analysis widget. If the buffer analysis widget is opened, searching for an address via the search bar automatically zooms to the location and applies the buffer, displaying nearby features.

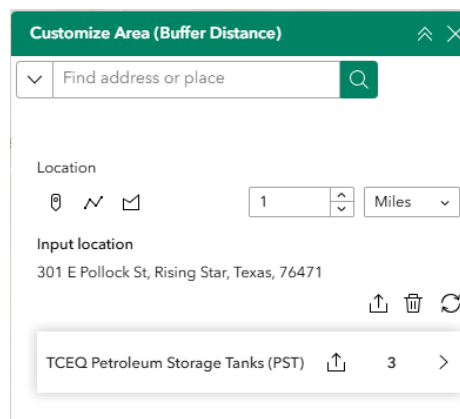
To use the integrated search, click on either **point**, **polyline**, or **polygon**, and choose a location on the map.



Adjust the buffer radius to desired extent.



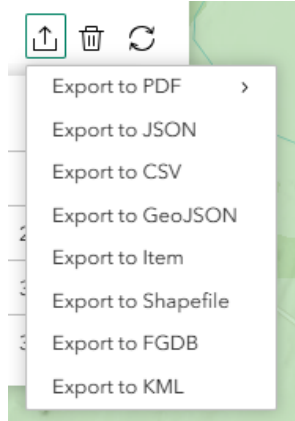
The results show the features within the buffer, facility, or entity name and the approximate distance.



This screenshot shows the 'Customize Area (Buffer Distance)' widget with search results. The search bar contains 'Find address or place'. The 'Location' section shows the point icon selected. The 'Input location' section displays '301 E Pollock St, Rising Star, Texas, 76471'. Below this, there is a list of results: 'TCEQ Petroleum Storage Tanks (PST)' with an upward arrow icon, the number '3', and a right arrow icon.

By clicking on the **arrow**  , the features are expanded to provide further details.

By clicking on the **export** button  , begin downloading the results into desired file format.



To clear the results, click the **Trash** button  .

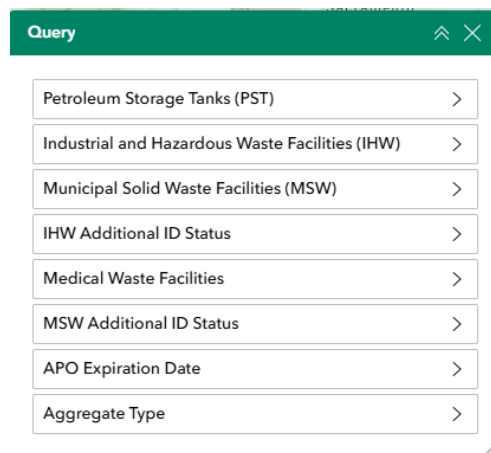
To close the window, click the **Close** button  in the upper right-hand corner.

To collapse the window, click the **Collapse** button  just to the left of the close button.

Query

Click  to enter and execute predefined queries.

Select the task you would like to perform.



Fill in one or both fields as needed.

Query

← Industrial and Hazardous Waste Facilities (IHW)

Attribute filter

Facility Type is any of

1 Selected

Search

☒ LANDFILL

Apply Reset

Click **Apply** to execute the query.

Query

← Results

Features displayed: 1 - 22 / 22

- ▶ INV NYLON CHEMICALS AMERICAS VICTORIA SITE
- ▶ PORT ARTHUR REFINERY
- ▶ REESE AFB
- ▶ ROHM AND HAAS TEXAS DEER PARK PLANT
- ASCEND PERFORMANCE MATERIALS CHOCOLATE

< 1 > 100 /page

Features that match the query criteria will display as highlighted points or areas on the map.

Click on any highlighted feature or the drop down of the results to view additional details in the pop-up window.

Query

← Results

Features displayed: 1 - 22 / 22

▼ WASTE CONTROL SPECIALISTS

9998 W State Highway 176, Andrews, Tx 79714

RN	RN101702439
Additional ID	TXD988088464
Additional ID Status	
Facility County	Andrews
TCEQ Region	

< 1 > 100 /page

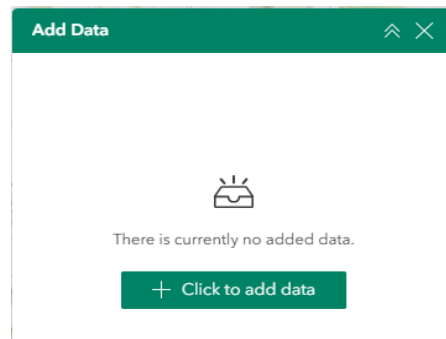
To clear the results, click the **Trash** button .

To close the window, click the **Close** button  in the upper right-hand corner.

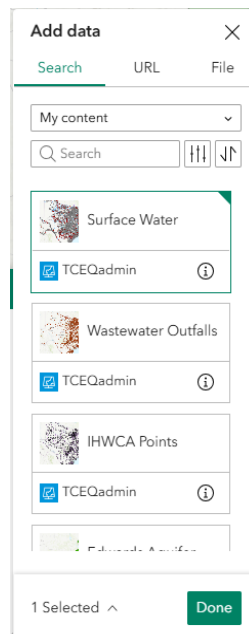
To collapse the window, click the **Collapse** button  just to the left of the close button.

Add Data

Use the Add Data widget to add additional data layers to the map.

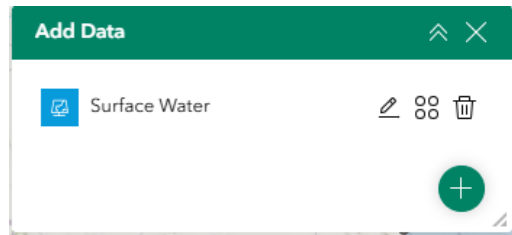


Click the **Click to Add Data** button to open the pop-up data window. Then, scroll through or select the desired data and click **Done** to add the data to the Add Data widget.

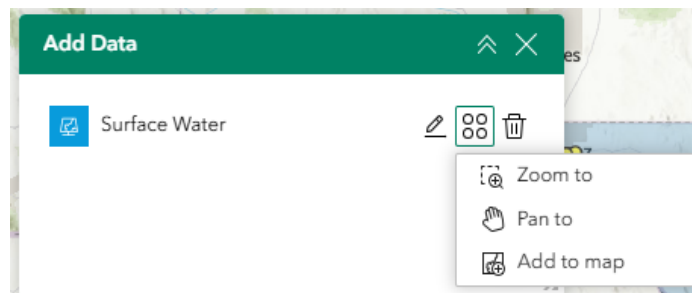


With the data added to the Add Data widget, you can rename the data, perform actions such as Zoom To, Pan To, or Add to Map, or delete data from the Add Data widget.

Clicking the **plus** button  gives users the option to add additional data to the Add Data widget.



To add the desired data to the map, click the **action** button and select **Add to Map**.



To close the window, click the **Close** button  in the upper right-hand corner.

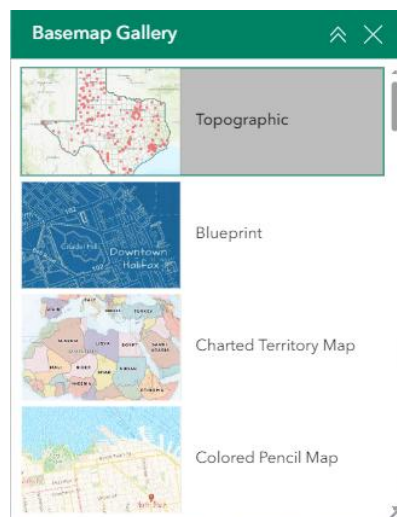
To collapse the window, click the **Collapse** button  just to the left of the close button.



Basemap Gallery

The Basemap Gallery widget can be used to change the background in the map Viewer. The topographic basemap is the default basemap.

To change the basemap, click on the **Basemap Gallery** widget  in the left menu, then select the basemap you wish to use.



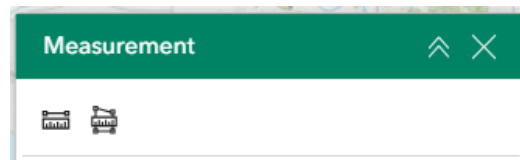
You may choose from over thirty different basemaps.

Measurement

The Measurement widget enables user to calculate the area, and distance directly on the map.

To measure a feature, click on the **Measurement**  widget in the left menu.

The Measurement window will appear as shown below.



There are two different ways to measure features on the map:



Distance - Click the button with a line (first from the left), choose a unit of measurement from the drop- down list, then single-click the first point of your line on the map. Continue to single-click until you have finished measuring your linear feature. Double-click to end. Results will appear in the Measurement window.



Area - Click the button with a polygon (second from the left), choose a unit of measure from the drop- down list, then single-click the first point of your polygon on the map. Continue to single-click until you have finished measuring your area feature. Double-click to end. Results will appear in the Measurement window.

To clear the measurement, click the **Trash** button  or **New Measurement**.

Bookmark

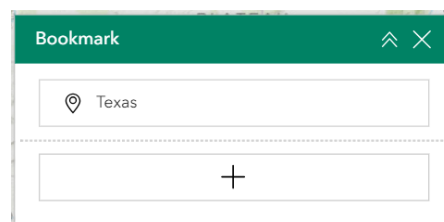
The Bookmark widget enables users to navigate predefined map locations.

To Create a bookmark, navigate to the desired map extent and click on the **Bookmark** widget



in the left menu.

Click on the **Add Bookmark**  button in the window.



Click on the name of the bookmark to rename it. Click on the **Delete**  button on the right to remove the bookmark.



Print

Use the **Print** widget  to save the current map as a pdf file. You may give it a customized title, choose the format, and select a layout and size. Advanced features include ability to add map scale, author, copyright, north arrow, and legend. You may also set the map extent and printing quality.

Print  

Print template Results

Template
A3 Landscape

Title
ArcGIS Web Map

File format
pdf

Advanced 

Map printing extents
☒ Current map extent
☐ Current map scale
☐ Set map scale

Layout options
Author
Copyright

☒ Include legend
☒ Include north arrow

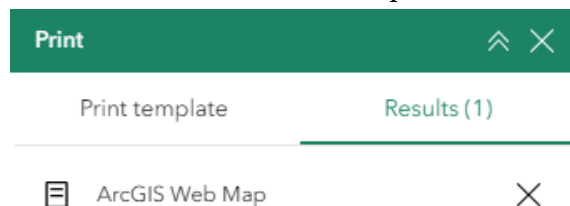
Scalebar unit Miles

Print quality
96 DPI

☐ Include attributes
☐ Show print area

Print 

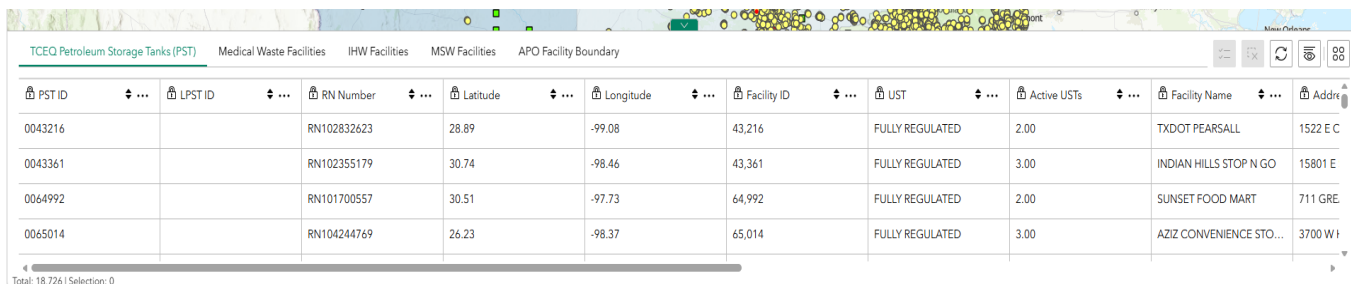
After clicking print, the results will show in the results panel of the Print window.



In the Results panel, click on the **results** to open a new window containing the item to be printed, then select print.

Attribute Table

To view the attribute table, click on the green **Expand** arrow  at the bottom of the Viewer. The attribute table will expand. To collapse the attribute table, click on the green **Collapse** arrow  at the top of the table.



PST ID	LPST ID	RN Number	Latitude	Longitude	Facility ID	UST	Active USTs	Facility Name	Address
0043216		RN102832623	28.89	-99.08	43,216	FULLY REGULATED	2.00	TXDOT PEARSALL	1522 E C
0043361		RN102355179	30.74	-98.46	43,361	FULLY REGULATED	3.00	INDIAN HILLS STOP N GO	15801 E
0064992		RN101700557	30.51	-97.73	64,992	FULLY REGULATED	2.00	SUNSET FOOD MART	711 GRE
0065014		RN104244769	26.23	-98.37	65,014	FULLY REGULATED	3.00	AZIZ CONVENIENCE STO...	3700 W I

Total: 18,726 | Selection: 0

Contact Us

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