

Source Location - Urban Area Proximity Determination

These instructions describe one method that an owner/operator can use to determine the distance from their facility to the nearest boundary of an urbanized area or urban cluster.

Step 1 – Obtain the list of urbanized areas and urban clusters (urban area), either from the Oil and Natural Gas Production rule webpage: <http://www.epa.gov/ttn/atw/oilgas/oilgaspg.html>, or from the Air and Radiation Docket (Number - EPA-HQ-OAR-2004-0238, see www.regulations.gov). Along with a state map(s) appropriate for your TEG unit's location, identify the closest urban areas from your location.

Notes:

a) The distance determination for urbanized areas is based on proximity to the boundary of the area, not the center, so overall size/population of the area can have some bearing on the closest boundary to your facility (i.e., an area whose center is farther away from your facility than another area may have the closest boundary to your facility due to overall size of that area).

b) Some sources may be of such a distance from the nearest urbanized area boundary (i.e., far greater than 2 miles) that the proximity determination can be simplified by using a road map and the appropriate map scale once the closest location(s) have been identified from the list of urban area names.

c) Certain urban areas include more city and/or towns within their boundaries than are indicated by the name of the urban area.

Step 2 - Go to the Census Bureau's **American Factfinder** webpage found at:

<http://factfinder.census.gov/home/saff/main.html? lang=en>.

Step 3 – In the lower half of the left hand side of the screen there is a white box with the option to perform an Address Search. **Click** on [street address](#).



Step 4 - Under the section titled **Choose a geography selection method** **click** the **List** tab.

Search

You are here: [Main](#) > [Search](#) > [Advanced Geography Search](#)

general search **keyword** **geography**

Choose a geography selection method

list name search address search map

Select a year and program
Census 2000

Enter a street address, city and state, or a street address and ZIP code. Click 'Go'
[Quick tips](#)

Street Address

City State ZIP Code

Step 5 – At the pull-down box titled **Search For**, **Click** on the down arrow

Choose a geography selection method

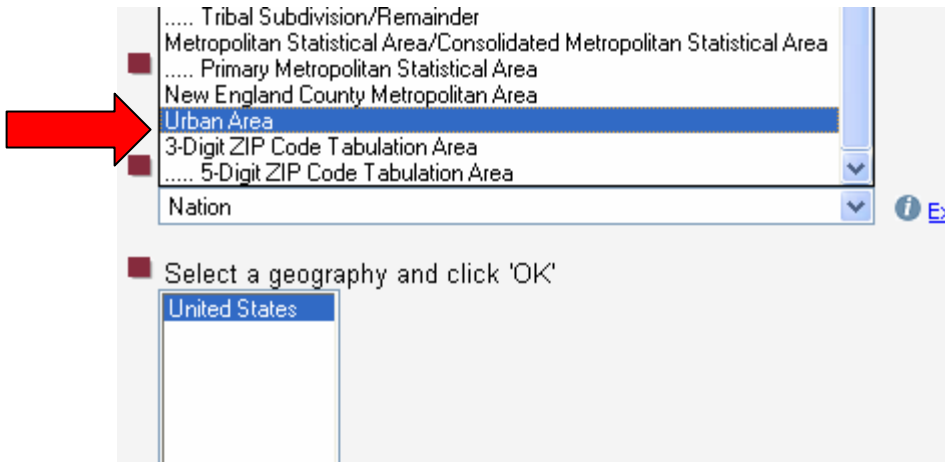
list name search address search map

Select a year and program
Census 2000

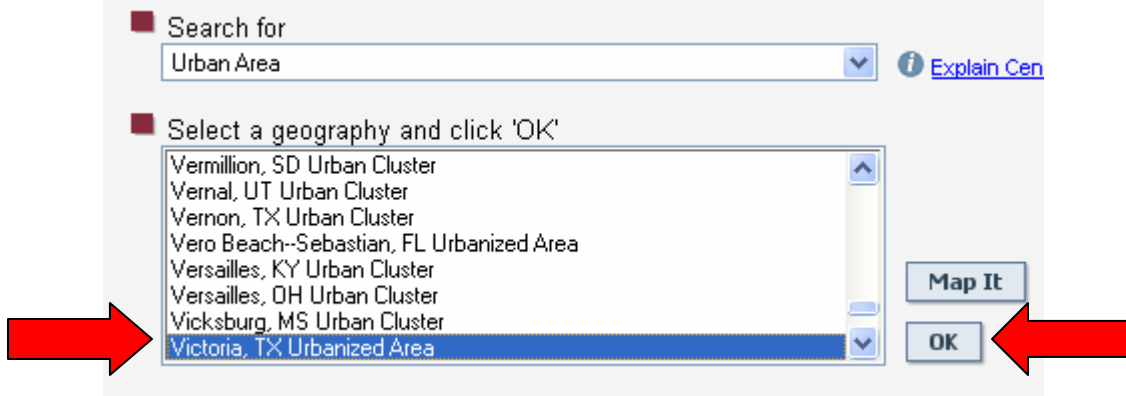
Search for
Nation

Select a geography and click 'OK'
United States

Step 6 - Select Urban Area from the list of choices (scroll down the list to see **Urban Area**)



Step 7 – At the box titled **Select a Geography and Click 'OK'** **select** the urban area from the list that you identified for further evaluation in step one and **click** the **OK** button. (*Victoria, TX has been selected in this example*).



Step 8 – The first line under the section titled **Search Results for [city/town]** is titled **Reference Maps**. **Click** on the name of the urban area being evaluated. A pop-up window will show the extent of the urban area boundaries for that town/city

■ Search Results for **Victoria, TX Urbanized Area**

Reference Maps

2000

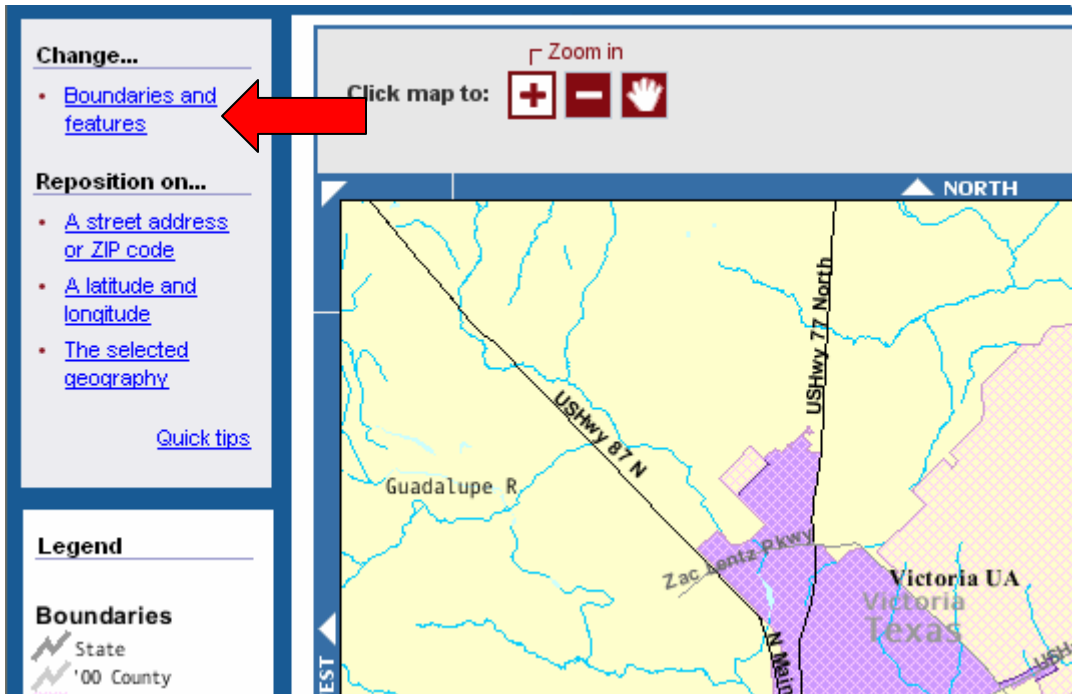
- [Victoria, TX Urbanized Area](#)

Quick Tables and Demographic Profiles

Census 2000 Summary File 4 (SF 4) - Sample Data

- [DP-1. Profile of General Demographic Characteristics: 2000](#)
- [DP-2-PR. Profile of Selected Social Characteristics: 2000 \(format for Puerto Rico\)](#)
- [DP-2. Profile of Selected Social Characteristics: 2000](#)
- [DP-3. Profile of Selected Economic Characteristics: 2000](#)
- [DP-4. Profile of Selected Housing Characteristics: 2000](#)

Step 9 – To make the urban area all one color, **click** the [Boundaries and features](#) link



Step 10 – **Click** both boxes for **2000 Central Place of Urban Area** to remove the check marks.

<input type="checkbox"/>	<input type="checkbox"/>	Area
<input type="checkbox"/>	<input type="checkbox"/>	2000 Central City of MSA/CMSA
<input type="checkbox"/>	<input type="checkbox"/>	2000 New England County Metropolitan Area
<input type="checkbox"/>	<input type="checkbox"/>	2000 Central City of NECMA
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2000 Urban Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2000 Central Place of Urban Area
<input type="checkbox"/>	<input type="checkbox"/>	109th Congressional District
<input type="checkbox"/>	<input type="checkbox"/>	2000 State Legislative District, Upper Chamber
<input type="checkbox"/>	<input type="checkbox"/>	2000 State Legislative District, Lower Chamber
<input type="checkbox"/>	<input type="checkbox"/>	2000 State Legislative District

Step 11 – While holding down the **Ctrl** key **click** the **Update** button (*Holding down the Ctrl key on your keyboard allows the map to be redrawn for computers using a pop-up blocker*)

http://factfinder.census.gov - American FactFinder - Microsoft Internet Explorer

Update **Cancel** **Help**

Boundaries **Features** **Title**

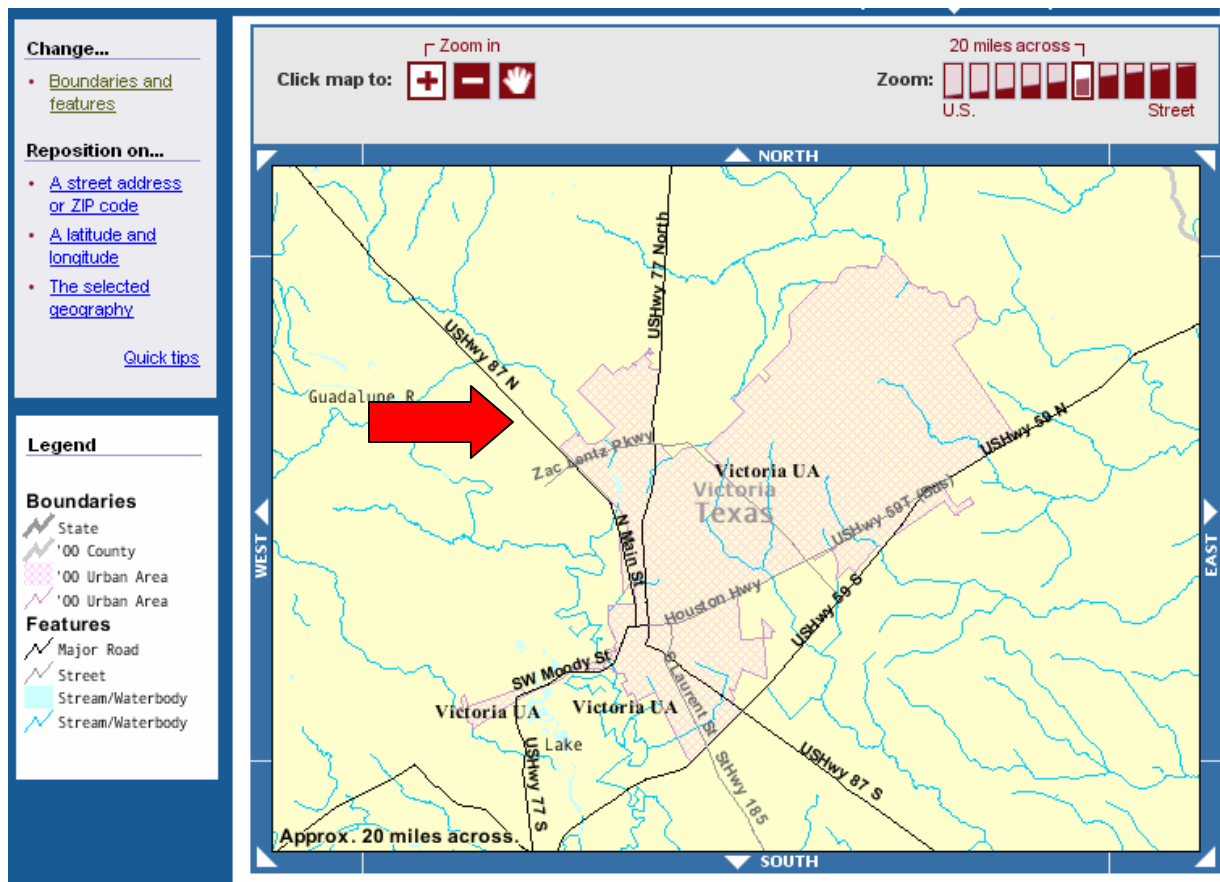
Choose a survey instance and select a group of boundaries

2000

Census Block Hierarchy
 Sub-State Areas

Boundary	Label
<input type="checkbox"/>	<input type="checkbox"/> Region
<input type="checkbox"/>	<input type="checkbox"/> Division
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> State
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 2000 County
<input type="checkbox"/>	<input type="checkbox"/> 2000 County Subdivision
<input type="checkbox"/>	<input type="checkbox"/> 2000 Subdivision

Step 12 – Use the **zoom** features directly above the map window to enlarge the map as needed (the map in the example uses a window approximately 20 miles across) so you can locate the geographic features representing the urban area boundary closest to your facility (e.g., US Hwy. 87 N in the northwest section of the map below represents a portion of the urban area boundary). For urbanized areas where the 2-mile offset is applied, the area you show will depend on which side of the urbanized area your facility is located.



Step 13 – Once the urban area’s appropriate boundary has been located you need to determine the distance from your TEG unit to that boundary. Two methods are described below:

a) If the location of your TEG unit can be located on the map from the Census website showing the closest urban area, you can print the Census map and illustrate the location of your facility and the appropriate boundary based on the scale indicated by the map width displayed in the lower left-hand corner (7 miles in the example above).

b) If the location of your TEG unit cannot be located on the Census map used to locate the urban area boundaries, you can identify your facility’s location on another map with an accurate scale (e.g. a road map, USGS map) and show the closest boundary of the urban area on the same map also. Next, using the

appropriate map-scale, measure and document the distance from your facility to the urban area boundary.

Step 14 – If the distance between your TEG unit and the nearest urbanized area boundary is 2 miles or less, or if your TEG unit is located in an urban cluster \geq 10,000 people, then you must reduce HAP emissions from your TEG dehydrator by either 95% or reduce benzene emissions to less than 1.0 tons/yr.

If your TEG unit is outside all UA plus offset and UC (\geq 10,000 people) boundaries then you must optimize the glycol circulation rate of your TEG dehydrator.