

## TEXAS WATER DEVELOPMENT BOARD

### INDUSTRIAL Water Use Survey for Calendar Year 2021

Deadline to return completed survey is **March 1, 2022**, according to Chapter 31 in Texas Administrative Code (TAC) Section 358.

Please save a copy of the survey on your desktop before you begin entering data. For guidance, refer to end notes on the last pages of the survey form. For assistance, call Water Use Survey hot-line **(512) 463-7952**.

### CONTACT INFORMATION

As listed in previous correspondence; please note any revisions or changes to the contact information:

**SURVEY Number**<sup>1</sup>: \_\_\_\_\_ **County:** \_\_\_\_\_

**Name of Industrial Facility:** \_\_\_\_\_

**Mailing Address:** \_\_\_\_\_

**City/State:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_

**Contact Name:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Email Address:** \_\_\_\_\_ **Telephone Number:** \_\_\_\_\_

Please provide any additional comments or remarks below.

Please return completed survey to TWDB Water Use Survey (WUS) Team:

Email [waterusesurvey@twdb.texas.gov](mailto:waterusesurvey@twdb.texas.gov) **OR** Fax (512) 463-8468 **OR**

Mail to TWDB-WUS Team at P.O. Box 13231 Austin, Texas 78711-3231

## Pumped Groundwater (Self-Supplied)<sup>2</sup>

Did this system pump groundwater last year? Yes      No

If no, go on to next page.

### Volume of Water Intake in Gallons

Please provide the Intake information and volumes (in **GALLONS**) below for each Aquifer/County group of wells. If groundwater is pumped from more than 3 Aquifer/County combinations, please include a copy of this page with the additional groundwater sources. *Total volume automatically calculates.*

GROUNDWATER	Source 1	Source 2	Source 3
Aquifer from which groundwater was pumped			
County where groundwater was pumped			
Number of active wells			
<b>January</b>			
<b>February</b>			
<b>March</b>			
<b>April</b>			
<b>May</b>			
<b>June</b>			
<b>July</b>			
<b>August</b>			
<b>September</b>			
<b>October</b>			
<b>November</b>			
<b>December</b>			
<b>TOTAL VOLUME gallons</b>			
<i>Metered or Estimated</i> <sup>3</sup>			
<i>Percent of Volume Treated Before Intake</i> <sup>4</sup>	%	%	%
<i>Brackish/Saline</i> <sup>5</sup>			

*1 acre-foot = 325,851 gallons; 1 barrel = 42 gallons; 1 cubic foot = 7.48 gallons*

## Surface Water under a TCEQ Water Right (Self-Supplied)<sup>6</sup>

Did this system pump surface water under a TCEQ Surface Water Right last year?    Yes        No  
 If no, go on to next page.

### Volume of Water Intake in Gallons

Please provide the Intake information and volumes (in **GALLONS**) below for each Surface Water source **OR** for each TCEQ Surface Water Right. (Multiple Water Rights from a single surface water source can be combined in reporting or reported separately.) If surface water is diverted from more than 3 surface water sources or from more than 3 Water Rights, please include a copy of this page with the additional surface water sources.

*Total volume automatically calculates.*

SURFACE WATER	Source 1	Source 2	Source 3
Source River or Reservoir Name			
County where diversion took place			
TCEQ Surface Water Right Number(s)			
<b>January</b>			
<b>February</b>			
<b>March</b>			
<b>April</b>			
<b>May</b>			
<b>June</b>			
<b>July</b>			
<b>August</b>			
<b>September</b>			
<b>October</b>			
<b>November</b>			
<b>December</b>			
<b>TOTAL VOLUME gallons</b>			
<i>Metered or Estimated</i> <sup>7</sup>			
<i>Percent of Volume Treated Before Intake</i> <sup>8</sup>	%	%	%
<i>Brackish/Saline</i> <sup>9</sup>			
<i>Percent Consumed</i> <sup>10</sup>	%	%	%

*1 acre-foot = 325,851 gallons; 1 barrel = 42 gallons; 1 cubic foot = 7.48 gallons*

## Purchased Water

Did this system purchase ground or surface water last year? Yes      No

If no, go on to next page.

### Volume of Water Intake in Gallons

Please provide the Intake information and volumes (in **GALLONS**) below for water purchased. If water is purchased from more than 3 water providers, please include a copy of this page with the additional water purchases. If water is purchased from a provider and metered through more than one connection, then combine the metered volumes in reporting the purchase below.

*Total volume automatically calculates.*

PURCHASED GW/SW	Source 1	Source 2	Source 3
Name of Water Provider			
Type of water <sup>11</sup> if known			
Name of Source <sup>12</sup> if known			
Source County			
<b>January</b>			
<b>February</b>			
<b>March</b>			
<b>April</b>			
<b>May</b>			
<b>June</b>			
<b>July</b>			
<b>August</b>			
<b>September</b>			
<b>October</b>			
<b>November</b>			
<b>December</b>			
<b>TOTAL VOLUME gallons</b>			
<i>Metered or Estimated</i> <sup>13</sup>			
<i>Percent of Volume Treated Before Intake</i> <sup>14</sup>	%	%	%
<i>Brackish/Saline</i> <sup>15</sup>			

*1 acre-foot = 325,851 gallons; 1 barrel = 42 gallons; 1 cubic foot = 7.48 gallons*

## Reuse\Treated Effluent (Self-Supplied or Purchased)

Did this system reuse treated effluent water last year? Yes      No

If no, go on to next page.

Please enter the annual volume of waste-water effluent that was treated by the system with the purpose of reuse. Complete a column for each unique reuse water source. Please note that percentage(s) must total 100%.

REUSE	Source 1	Source 2	Source 3
Name of Water Source <sup>16</sup>			
Treatment County <sup>17</sup>			
If purchased, Seller <sup>18</sup>			
Type of Reuse <sup>19</sup>			
Reuse Permit Number <sup>20</sup>			
<b>TOTAL VOLUME gallons<sup>21</sup></b>			
<b>% Used for Industrial<sup>22</sup></b>	%	%	%
<b>% Used for Landscape<sup>23</sup></b>	%	%	%
<b>% Used for Agriculture<sup>24</sup></b>	%	%	%
<b>% Used for Other<sup>25</sup></b>	%	%	%

*1 acre-foot = 325,851 gallons; 1 barrel = 42 gallons; 1 cubic foot = 7.48 gallons*

## Water Sales to other Water Systems or Industrial Facilities

Did this system sale water to another water system or industry last year?    Yes        No  
 If no, go on to next page.

## Wholesale Water Sales to other Water Systems

If the facility sells water to public water systems, please complete the row for each sale. If the facility has more than 3 sales, please include a copy of this page with the additional sales.

WATER SYSTEM SALES	Buyer Name	Water Type <sup>26</sup> GW,SW,CS	Source Name <sup>27</sup>	Source County	Raw or Treated	TOTAL VOLUME gallons <sup>28</sup>
Sale 1						
Sale 2						
Sale 3						

## Water Sales to Industrial Production Facilities<sup>29</sup>

If the facility sells water to industrial facilities (mining, manufacturing, or power generation), please complete the row for each sale. If facility has more than 3 sales, please include a copy of this page with the additional sales. If volume sold is less than 10 million gallons, then combine industry sale volumes.

INDUSTRY SALES	Buyer Name <sup>30</sup>	Water Type <sup>31</sup> GW,SW,CS	Source Name <sup>32</sup>	Source County	Raw or Treated	TOTAL VOLUME Gallons <sup>33</sup>
Sale 1						
Sale 2						
Sale 3						

## Facility Information

Please fill out each blank in this section.

What is your North American Industrial Classification System (NAICS) Code? <sup>34</sup>	
What is the total number of employees at this facility?	
Was electric power generated at this facility (for in-plant use or sale)?	
What is the latitude of this facility? <sup>35</sup>	
What is the longitude of this facility? <sup>36</sup>	

Please provide any additional comments or remarks below.

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<sup>1</sup> The survey number is a unique number assigned by Texas Water Development Board (TWDB) to this industrial facility.

<sup>2</sup> If the system pumps groundwater, please provide those volumes in gallons by aquifer. If your system is able to provide volumes by individual wells, please use our Online data-entry application located at, <http://www.twdb.state.tx.us/waterplanning/waterusesurvey/survey/online.asp>.

<sup>3</sup> Was the pumped groundwater volume either Metered or Estimated? Select either "Metered" or "Estimated".

<sup>4</sup> What percent of the volume was treated prior to intake? May include raw water purchases (0% treated), treated water purchases (100%), or a combination.

<sup>5</sup> Was the water brackish or saline (seawater) prior to treatment? Brackish water is between 1,000 and 10,000 milligrams per liter (mg/L) of total dissolved solids (TDS). Saline water is considered water having greater than 10,000 mg/L of TDS. Select either "Yes" if brackish/saline, or "No" if not brackish/saline.

- <sup>6</sup> If the system diverts or receives surface water from an owned or contracted Texas Commission on Environmental Quality (TCEQ) Surface water right, please provide those diverted volumes that enter the system. The monthly diversion volumes for each water right must be included here, in addition to the reports required by TCEQ or Water-master office.
- <sup>7</sup> Was the surface water volume diverted either Metered or Estimated? Select either "Metered" or "Estimated".
- <sup>8</sup> What percent of the volume was treated prior to intake? May include raw water purchases (0% treated), treated water purchases (100%), or a combination.
- <sup>9</sup> Was the water brackish or saline (seawater) prior to treatment? Brackish water is between 1,000 and 10,000 milligrams per liter (mg/L) of total dissolved solids (TDS). Saline water is considered water having greater than 10,000 mg/L of TDS. Select either "Yes" if brackish/saline, or "No" if not brackish/saline.
- <sup>10</sup> If surface water was used in an industrial process, such as once-through cooling, where a significant portion of the water was returned to the original water source with minimal treatment; enter what PERCENT of the diverted volume was consumed.
- <sup>11</sup> Select the type of water purchased: Groundwater, Surface Water or Combined Source (ground and surface water).
- <sup>12</sup> If ground water, please enter the aquifer name; if surface water, enter the river or reservoir name.
- <sup>13</sup> Was the purchased water volume either Metered or Estimated? Select either "Metered" or "Estimated".
- <sup>14</sup> What percent of the volume was treated prior to intake? May include raw water purchases (0% treated), treated water purchases (100%), or a combination.
- <sup>15</sup> Was the water brackish or saline (seawater) prior to treatment? Brackish water is between 1,000 and 10,000 milligrams per liter (mg/L) of total dissolved solids (TDS). Saline water is considered water having greater than 10,000 mg/L of TDS. Select either "Yes" if brackish/saline, or "No" if not brackish/saline.
- <sup>16</sup> What is the name of the water source prior to water use and treatment?
- <sup>17</sup> In which county was the effluent treated for reuse?
- <sup>18</sup> If the reuse water was purchased, what is the Seller's name?
- <sup>19</sup> Direct reuse is the use of reclaimed water that is piped directly from the wastewater treatment plant to the place where it is used. Indirect reuse is the use of reclaimed water by discharging to a water supply source, such as surface water or groundwater, where it blends with the water supply and may be further purified before being removed for non-potable or potable uses. Determine if reuse is a potable or non-potable source. Texas Land Application Permit (TLAP) reuse is the disposal of treated effluent by land application (surface irrigation, evaporation, drainfields or subsurface application).
- <sup>20</sup> For Direct reuse, enter the 210 permit number. For Indirect reuse, enter the TCEQ Surface Water Right or Adjudication number. For TLAP reuse, enter the TLAP permit number.
- <sup>21</sup> Total annual reuse water volume in gallons.
- <sup>22</sup> Industrial reuse - the reuse of water in processes designed to convert materials of a lower order of value into forms having greater usability and commercial value, and the development of power by means other than hydroelectric, but does not include agricultural use. (Examples: mining, construction, and manufacturing).
- <sup>23</sup> Landscape reuse - the reuse of water on turf and plant areas including decorative water features comprising a landscape. Landscape reuse includes the irrigation of golf courses and parks if the water is from a public water system.
- <sup>24</sup> Agricultural reuse - any reuse of water for agriculture purposes such as crop production, livestock, wildlife management, forestry, or horticulture.
- <sup>25</sup> Other reuse - the reuse of water that is not for landscape, agricultural, or industrial purposes.
- <sup>26</sup> Where GW is Ground Water, SW is Surface Water, and CS is Combined Source (ground water and surface water).
- <sup>27</sup> If ground water, please enter the aquifer name; if surface water, enter the river or reservoir name.
- <sup>28</sup> Please enter the Total Volume sold in gallons.
- <sup>29</sup> Please list the buyers only when the volumes are greater than 10 million gallons. These should be sales to production facilities, not administrative offices. If sold to a significant number of MINING or MANUFACTURING facilities where each sale is less than 10 million gallons, please sum the sales together and list as "Other Mining" or "Other Manufacturing".
- <sup>30</sup> Enter name of each Industrial Customer.
- <sup>31</sup> Where GW is Ground Water, SW is Surface Water, and CS is Combined Source (ground water and surface water).
- <sup>32</sup> If ground water, please enter the aquifer name; if surface water, enter the river or reservoir name.
- <sup>33</sup> Please enter the Total Annual Volume for each sale in gallons.
- <sup>34</sup> If the facility's NAIC code is unknown, refer to < <http://www.census.gov/eos/www/naics/>> to determine.
- <sup>35</sup> Decimal degrees format, for example: 30.2741 degrees North.
- <sup>36</sup> Decimal degrees format, for example, -97.7404 degrees West.