

TEXAS WATER DEVELOPMENT BOARD

Industrial Water Use Survey For The Calendar Year Ending December 31, 2008 Questionnaire

Instructions For Completing The Water Use Survey

Thank you for completing the Texas Water Development Board's Water Use Survey.

Please record all answers on the included **Answer Sheet**, and check and correct your mailing address at the top. The TWDB Code No. is the account number that goes with a particular surveyee named in the mailing address.

Water intake data should be obtained from system intake meter readings, diversion and pumpage records, or from supplier records. Volumes can be estimated if accurate records are not available. Volumes should be reported in gallons, and reported by month unless only a yearly total is available.

Self-supplied water is water that is available to the system by right, ownership or permit. Self-supplied groundwater (SG) includes water wells that are owned or leased by the system. Groundwater from multiple wells drawing from the same aquifer need only be reported as a single source with the total pumpage. Self-supplied surface water (SS) is water available to the system through a TCEQ water right. All water diverted from the same river or reservoir can be considered as from a single source and reported as a total regardless of the number of water rights. If water owned under a water right is diverted, conveyed and/or treated prior to intake into your system, please consider this water self-supplied and note the conveying system.

Water purchased (treated or raw) from a separate water utility or industrial firm is considered a source. The name of the supplying utility or facility is the source name. If water is purchased from several suppliers, report the volumes for each individually. If you divert surface water owned by another system for use in your system, this should be considered purchased surface water (PS). Purchased water is either groundwater (PG) or surface water (PS). If you are unsure about the composition, you may report it as groundwater or surface water and name the supplier as the source. Water taken from an aquifer storage operation (ASR) should be categorized by where the water was originally drawn from (surface or ground).

Attach extra paper if necessary to report all water use by source separately. Please do not combine water received from different sources.

Sales of water to outside utilities or facilities should be included in volumes reported in Parts A and B. If you are selling water to other utilities or industries, report the annual total water for each sale in Part E.

Complete other parts of the survey only if the section or question applies to your system or facility. If you operate other systems or facilities which are not currently being surveyed, please let us know.

You can retrieve a Microsoft Excel version of the Water Use Survey Answer Sheet at www.twdb.state.tx.us/wus.

Questions may be directed to Kevin Kluge, Thelma Dufort, or Nattie Gonzalez, at 512-463-7952 (fax: 512-936-0889 / email: waterusesurvey@twdb.state.tx.us). Our website and Online Water Use Survey is at www.twdb.state.tx.us/wus

Please place answers on the Answer Sheet

A. GROUNDWATER INTAKE

Please answer the following questions if you used groundwater for this system (including groundwater purchased from others). If water wells are OWNED, OPERATED, or LEASED for use in this system, please complete the following questions (A1 – A5), if not, skip to A6.

- A1. How many active water wells are used by your system?
- A2. How many water wells are inactive (but operable)?
- A3. In what county(ies) are the wells located?
- A4. From which aquifer(s) do the wells pump?
- A5. If the groundwater from this source was SELF-SUPPLIED, please indicate "SG". If the groundwater from this source was PURCHASED from a system, please indicate "PG".
- A6. If the groundwater from this source was PURCHASED from a system, please name the supplier(s).
 - If you purchased groundwater from several suppliers, please provide separate volumes for each. Self-supplied groundwater intake is the total quantity produced from wells owned, operated or leased, and can be considered a single source.
 - Please use additional paper if necessary.
- A7. Please provide monthly and annual groundwater intake by source, in gallons.
 - The "intake" amount is the quantity pumped (if self-supplied) or the amount entering the facility at the treatment plant (if purchased).
- A8. How much of the annual volume (percent) was treated for each source?
- A9. Is this amount metered [M] or estimated [E]? Please indicate.
- A10. What is your annual total SELF-SUPPLIED groundwater intake in gallons?
- A11. What is your annual total PURCHASED groundwater intake in gallons?

B. SURFACE WATER INTAKE

Please answer the following questions if you used surface water for this facility (including surface water purchased from others).

- B1. If the surface water from this source was SELF-SUPPLIED, please indicate "SS". If the surface water from this source was PURCHASED from a system, please indicate "PS".
- B2. If the surface water source was SELF-SUPPLIED, under an owned water right, please name the stream, river, pond, lake and/or a reservoir used? If the surface water source was PURCHASED from a system, please name the supplier(s).
 - Self-supplied surface water consists of water included in a TCEQ-issued water right.
 - Purchased surface water should be reported as separate volumes for each selling entity.
 - Self-supplied water should be reported as separate volumes if diversions are from multiple sources (lakes, rivers, etc.)
- B3. If the surface water source was SELF-SUPPLIED, under an owned water right, please list the corresponding TCEQ Water Right Number(s)?

B4. If the source was SELF-SUPPLIED (under an owned water right) but was CONVEYED by a system, please list the conveying system.

- If the facility has a Water Right and the water is conveyed by another system, the water should still be considered Self-Supplied. If conveyance loss occurred previous to your facility's point of intake, please make note of this in the comment section (F1).

B5. From what county(ies) was the surface water diverted?

B6. Please provide monthly and annual surface water intake by source, in gallons.

- The "intake" amount is the amount entering the facility (usually at a treatment plant). If self-supplied water is conveyed by a system, this intake amount may be different than the diverted amount.

B7. How much of the annual volume (percent) was treated for each source?

- If you buy, divert, or have conveyed to you untreated (raw) surface water, then please mark 0%.

B8. Is this amount metered [M] or estimated [E]? Please indicate.

B9. What is your annual total SELF-SUPPLIED surface water intake in gallons?

B10. What is your annual total PURCHASED surface water intake in gallons?

C. SALINE WATER USE

Please complete parts applicable to this facility.

C1. What is your annual total saline water intake in gallons?

C2. What is the source of your saline water?

C3. In what county(ies) was the saline water used?

C4. Is this amount metered [M] or estimated [E]? Please indicate.

D. WASTEWATER REUSE

Please provide information on reuse of wastewater from your facility or another treatment system such as a municipal sewage treatment facility (treatment includes any process necessary to make wastewater reusable).

D1. What is your annual total wastewater reuse in gallons (excluding in-plant recirculation)?

D2. How much of the annual volume (percent) was from your facility?

D3. How much of the annual volume (percent) was from other sources?

D4. What were the other sources?

D5. Is this reuse amount metered [M] or estimated [E]? Please indicate.

D6. Did you provide reuse water to anyone else?

E. WATER SALES

Please list the names, location [count(ies)], and the wholesale quantities of water sold during the year.

- Water sales should be included in the Intake totals given in Parts A and B. Please clearly note if a sale is raw (untreated) water. Use additional paper if necessary or attach a list to this form.

E1. Name of Purchaser?

E2. What quantity was sold in gallons?

E3. Was sold water raw [R], treated [T], or both [B]? Please indicate.

E4. In what county(ies) was the Purchaser located?

F. WATER USE CATEGORIES

What percent of the groundwater, surface water, saline water, and treated effluent you withdrew or purchased, is estimated to be used in each of the following categories applicable to your facility.

F1. Cooling, Condensing and Refrigeration?

F2. Process and Washdown?

F3. Boiler Feed?

F4. Air-Conditioning?

F5. Sanitary and Drinking?

F6. Other?

G. COOLING SYSTEMS

Of the groundwater, surface water, saline water, and treated effluent you withdrew or purchase and used for cooling, what percent is estimated to be used in each of the following categories applicable to your facility?

G1. Cooling Tower(s)?

G2. Pond(s)?

G3. Once Through?

G4. Other?

H. ADDITIONAL INFORMATION

H1. What is your Major Standard Industrial Classification (SIC) Code (or major products manufactured)?

H2. What is your North American Industrial Classification System (NAICS) Code? (Refer to <http://www.census.gov/epcd/www/drnaics.htm> to determine the firm's NAICS code.)

H3. What is the total number of employees at this facility?

H4. What is the total number of employees directly involved in production at this facility?

H5. Was electric power generated at this facility (for in plant use or sale)?

H6. Please indicate the type(s) of wastewater disposal system(s) used at this facility;

(1) Onsite wastewater plant;

(2) Septic tank(s);

(3) Injection well(s);

(4) City or Regional.

H7. If a City or Regional facility disposed of your wastewater, please list them.

I. COMMENTS AND CONTACT INFORMATION

I1. Please make any additional comments you feel will assist us in understanding your present and future water needs and water problems.

Please provide contact information for the person filling out the Water Use Survey:

I2. Name

I3. Title

I4. Phone

I5. Email address

I6. General email address

I7. Date

I8. Latitude of facility (in decimal degrees)

I9. Longitude of facility (in decimal degrees)