

# TEXAS WATER DEVELOPMENT BOARD

## Municipal 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 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 C.

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](http://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](mailto:waterusesurvey@twdb.state.tx.us)). Our website and Online Water Use Survey is at [www.twdb.state.tx.us/wus](http://www.twdb.state.tx.us/wus)

### Please place answers on the Answer Sheet

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#### SURVEY ADDRESS

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Please correct address information as needed.

If applicable, please list the Texas Commission on Environmental Quality (TCEQ) Public Water Supply (PWS) code.

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#### A. GROUNDWATER INTAKE

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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 another system, please indicate "PG".
- A6. If the groundwater from this source was PURCHASED from another 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 system 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?

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#### B. SURFACE WATER INTAKE

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Please answer the following questions if you used surface water for this system (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 another 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 another 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 another system, please list the conveying system.**

- If the system 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 system's point of intake, please make note of this in the comment section (F1).

**B5. From what county(ies) did the surface water come from?**

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

- The "intake" amount is the amount entering the system (usually at a treatment plant). If self-supplied water is conveyed by another 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?**

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### C. WATER SALES

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

- Industrial or commercial firms who purchased 10 million gallons or more from your system, (or any firm who you feel places a more than average demand on your supply), and
- Public water systems who purchased all or part of their supply from you and operate outside your direct service area (i.e. other cities, water districts, private water companies, etc.).
- 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.

**C1. Name of Purchaser?**

**C2. What quantity was sold in gallons?**

**C3. Was sold water raw [R], treated [T], or both [B]? Please indicate.**

**C4. In what county(ies) was the Purchaser located?**

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### D. WATER SYSTEM INFORMATION

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Please complete parts applicable to this system.

- Volumetric use responses should include water volumes sold to industrial, commercial or institutional customers.
- Volumetric use responses should **not** include water volumes sold to other public water systems.
- Population served and connection responses should be the year-ending count.

**D1. Please list the TCEQ PWS code, if applicable after the address on page 1 of the answer sheet.**

**D2. What is the estimated total full-time residential population served directly by this system?**

**D3. What is the total number of service connections billed directly by this system?**

**Please provide annual number of connections for the following customer categories (questions D4 – D8):**

**D4. What is the number of Single-Family residential connections (including duplexes)?**

**D5. What is the number of MultiFamily UNITS (not service connections)?**

**D6. What is the number of Commercial / Institutional connections?**

**D7. What is the number of Industrial connections?**

**D8. What is the number of Other metered connections?**

**D9. What percentage of the total service connections are metered?**

**D10. Please indicate any incorporated cities in which you have system connections.**

**D11. How many connections do you have in each city?**

- If this system serves customer connections within one or more incorporated cities, please list the city(ies) and the number of year-ending connections within them. This does not include wholesale connections to other systems.
- If the system is a city-owned utility, please list the city name and the number of connections within the owning boundaries. For instance, the City of Bigwater Water Utility may report 500 connections in the City of Bigwater, and 200 connections in the City of Littlewater.

**D12. Please list the county(ies) where you have system connections.**

**D13. Please indicated the number of system connections within each county(ies).**

- Please list the Counties in which this system has active service connections and the number of connections in each county.

- Refer to question D3 for the total number of connections in the system.

- If the system is in only one county, please list the county and the total number of connections.

**Please provide monthly and annual volumes of metered sales (in gallons) for the following customer categories (questions D14 – D17):**

**D14. Residential, Single-family**

**D15. Residential, Multi-family**

**D16. Commercial / Institutional**

**D17. Industrial**

**D18. What is the annual volume total for other metered uses in gallons?**

**D19. What is the annual volume total for known unmetered uses in gallons?**

**D20. What is the annual volume total of water loss in gallons?**

- Total water intake (sum of questions A11, A12, B9 and B10.) minus all metered and known unmetered uses (sum of questions D14-D19), including identified leaks and theft.

**D21. How many days did you have mandatory/voluntary water restrictions?**

**D22. If the primary use of water supplied by this system is not for normal municipal or residential use, please indicate its primary use.**

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### E. REUSE / SALINE WATER USE

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**E1. Does your system DIRECTLY reuse treated wastewater or provide treated wastewater to others?**

**E2. How many gallons of reused water were used?**

**Please indicate the percent of total reuse volume used for the following purposes:**

**E3. Industrial**

**E4. Landscape irrigation (parks, golf courses, etc.)**

**E5. Agricultural**

**E6. Other (specify)**

**E7. Does your system utilize INDIRECT reuse?**

**E8. How much indirect reuse in gallons?**

**E9. Does the system utilize saline water?**

**E10. How many gallons of saline water were used?**

**E11. What is the initial (pre-treatment) Total Dissolved Solids (TDS) of the saline water?**

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### F. COMMENTS AND CONTACT INFORMATION

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