

Public Water System Assessment Data Sheet

PWS-ID: TX0003456 PWS Name: City of Water

Assessment Date/Time: 02/12/20 4:00PM Assessment Type: Phone On-Site E-Mail

Lead Assessor: L De Leon Affiliation: TCEQ EPA EPA-Start TXSG

POC Name: Mr. John Doe Title: Water Operator Phone: 713 000 5120

POC-Point of Contact the person you are speaking with on the phone, on-site, or the person who sent you the email.

POC e-mail: JohnDoe@gmail.com

Was a system POC available? Yes No OCE staff could have a **No** answer no one onsite

If no POC was available, fill in who you tried to contact and phone number(s) then stop here unless entering BWN information

➡ **If you are only entering Boil Water Notice (BWN) information, skip to Question 10 or for Rescind Notices Q14** ⬅

1. Characterize the extent of the damage to the system/facility and surrounding area

None Minor Major NOAC Destroyed *(If **Destroyed**, go to Q18 and choose **Destroyed** for the Status Code)*

To answer this question(Q), you must read and use the **Drinking Water Damage Level Definitions**. This Q is used by FEMA for their damage determinations. If the answer to Q1 is Destroyed go straight to Q18 choose the same Status Code and **"stop"** you do not need to complete the rest of the assessment.

2. Is system/facility operational?

Yes, fully Partial, with issues No, offline NOAC *(No Access to the System)*

To answer the question, you must read the definitions for the **Drinking Water Operational Status Codes** and ask, enough questions to make the determination. All Choices except [**Yes, fully**] must have an explanation in the comments section.

Ex: Partial, with issues – well is working, one service pump is working, one service pump is out.

3. Is the loss of critical equipment or treatment preventing operation of the system?

Yes *(If **YES**, provide brief description of equipment and/or treatment needs in comments)* No

If the answer could be **N/A** also mark **No**.

Loss of critical equipment can include wells, tanks, pumps, treatment units, electrical systems, and Interconnect (I/C) if purchase water only.

4. What is the general electrical power status?

On Grid On Generator No Grid/No Generator (offline) Part Grid/Part Generator

On Grid means the PWS is receiving electricity/power from the electric company.

On Generator means the PWS is using a generator to power the water plant and has no electricity from the electric company.

No Grid-No Generator means the PWS has no power at all but does not necessarily mean no water they could still have water if they have sufficient elevated/total storage capacity or an open emergency I/C with another PWS.

Part Grid/part Generator a portion of the PWS is receiving electricity from the electric company and a portion of the system is on generator. (Ask sufficient questions to make this determination.)

Ex Scenario: A PWS can have power and still be **without** water if their wholesaler does not have power. Mark **On Grid** and add a comment.

5. If generator(s) in use, what is the estimated time the remaining fuel will last?

N/A < 1 day < 3 days 1 week or less > 1 week Unknown

The purpose of this question is to determine if the system will run out of fuel before electrical service is provided to the PWS.

Public Water System Assessment Data Sheet

6. Estimated time frame to restore system/facility to “fully operational” status?

N/A Hours Days Weeks Months Unknown

The answer to this question helps determine when to follow up with this water system. Make note of all issues in the comment section. If **Unknown** find out why (Ex: removal of downed powerlines, repairs needed to distribution system or water plant, when evacuation order is lifted, and when debris is removed from waterlines or meters)

7. If the Emergency Preparedness Plan (EPP) requirement applies to this water system, Did the system’s pressure fall below 20 psi (the rest of Texas) 35 psi (Fort Bend and Harris County) at any point?

N/A Yes No Unknown

EPPs only apply to water systems that meet the definition of an affected utility (AU). The rule requires AUs in located in Harris or Fort Bend County to provide 35psi to their customers and the rest of AUs in Texas to provide water at 20psi under emergency conditions. Affected utilities are a community or transient type PWSs providing overnight accommodations.

8. Is your distribution system impacted?

Yes No (Answer Question 9) Partial (Answer Question 9) Unknown

For this assessment **Distribution system** means a system of pipes that conveys potable water from a treatment plant to the customer’s meter and includes potable water mains, potable water service lines and all associated valves, fittings, and meters but excludes the customers service lines.

Yes – If you choose this answer explain damage in the comment section. (Lines, meters, valves, fire hydrants)

No – This means the distribution system was not impacted.

Partial – A portion of the water system’s distribution lines were damaged, perhaps damaged portions can be valved-off, and the rest of the distribution system still function enough to provide water to some customers? Provide comments...

Unknown provide a comment.

9. Are all customers currently being provided with potable water?

Yes No Alternate Source/Method Unknown

Potable water means the water meets state drinking water standards.

Yes, means the system is not on a BWN and is providing pressure of 35 psi or better.

No, means PWS has no water, is on a BWN for loss of treatment or for pressure below 20 psi, or PWS is on a pre-cautionary BWN.

Alternate Source/Method a PWS informs you they are using a water hauler or bottled water use, provide a comment.

Unknown provide a comment.

**You must choose only one answer; however, you can describe specifics in the comment section.

Ex: A No answer with an Alternate Source/Method answer

10. Has a Boil Water Notice (BWN) been issued? *If No or Other to Q (No. 10), skip to Q (No.17)*

Yes No Other (explain in comments)

Yes, means the system issued a BWN because of no water, water pressure below 20 psi, loss of treatment, or disinfection is below 0.20mg/L if using free chlorine or below 0.5mg/L if using chloramines.

No, means they did not issue one because the system is fully operational without any issues or their generator kicked on without loss of pressure or any other issues. Or the PWS has not gotten around to issuing a BWN and still needs to issue one (**Ex:** no water, facility or distribution system is severely damaged).

Other- This is applicable to TNC or NTNC the employees or customers do not have means to boil water. (**Ex:** schools, daycares, chemical plants, industrial warehouse(s), and shopping centers.) These types of facilities may remain closed until they flush their lines, collect a bacteriological sample, and receive negative sample results for bacteria. There other option is to issue a **Do Not Drink the Water** alert to their employees until they complete flushing their lines, collecting a bacteriological sample, and receive negative sample results for bacteria. Other can also include the issuance of a **pre-cautionary BWN**.

11. Select the reason that best describes why the BWN was issued?

Loss of Pressure Loss of treatment Other (explain in comments)

**If more than one option applies include information in the comments section.

Loss of Pressure means pressure is below 20psi

Loss of Treatment means disinfection treatment is below 0.20mg/L if using free chlorine or below 0.5mg/L if using chloramines.

Other can include: A Pre-Cautionary BWN meaning the PWS issued the BWN as a proactive response and does not imply the PWS was affected until confirmed by water system staff or by regional staff.

Public Water System Assessment Data Sheet

Other may also include repairs to waterline breaks after disaster event has passed, debris removal causing line breaks, or electrical panels failing due to water damage following an event.

If you answered Yes to Q10 you must answer Qs12-14.

Reporting Boil Water Notice (BWN)

A PWS that issues a BWN is required to take a bacteriological sample to resolve the BWN.

12. Date BWN was Issued: ____ Use the calendar to enter the correct date _____

13. Method of BWN issuance:

- Hand delivery to all residents Posted notice Media announcement
 Other (explain in comments)

Hand delivery can mean door tags or actual paper notice, **Posted Notice** are signs posted at entrances/exits of subdivision or a highly visible place where customers can see the notice, **Media Announcement**- TV, radio, newspaper, **Other** – robocall, email to customers, posted on water system’s web page, Facebook page or Twitter page.

PWSs are required to rescind a BWN in the same or similar manner in which it was issued.

For Rescinded BWN Only (Skip section if no information is available OR not applicable) –

14. Did the system provide TCEQ with copies of bacteriological sample results indicating water is *E. Coli* and Total Coliform free?

- Yes No

A BWN cannot be closed without a rescind notice.

15. Did the water system provide TCEQ a copy of the notice rescinding the BWN that was issued to customers AFTER bacteriological sample results indicating the water is safe to use?

- Yes No

16. Enter the date the BWN was rescinded: ____ Use the calendar to enter the correct date _____

17. Does your water system need assistance with any of the following?

- None Mutual Aid Request Treatment Chemicals Other (explain in comments)

Mutual Aid Request direct them to TXWARN free assistance from other utilities must register (operators, equipment, electricians)

Treatment chemicals what type needed (chlorine gas or liquid, polyphosphate, alum, ferric chloride, ammonia, chlorine dioxide)

Other can include a list of certified labs, fuel, water hauler list, technical assistance for surface water plants etc.

**If more than one option applies include information in the comments section.

18. AS DETERMINED BY THE ASSESSOR, the Current OVERALL Operational Status of the PWS is:

(select only ONE option and use the **DW Operational Status Code** sheet. This is not determined by the PWS):

- OK CLEAR GENOK GENLP LP/LT RESULTS LEOK
 NOP SITE NOAC NC DESTROYED

COMMENTS: Please start each comment with “Q” followed by the number of the question for which you are providing comments (e.g., Q7-).