



BOIL WATER NOTICES

DS-23-024

March 7, 2023

Background

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- ❑ A Boil Water Notice (BWN) is issued as a precaution or notification to protect consumers from drinking water when an unexpected condition has caused a **potential** for biological contamination in the Public Water System (PWS) at the treatment plant or distribution system.
- ❑ The Texas Commission on Environmental Quality (TCEQ) is the environmental agency for the state of Texas and has very specific requirements regarding the issuing and rescinding of a BWN.
- ❑ Low distribution pressures (below 20 psi), power outages, and failure to maintain adequate disinfectant residuals are just a few of the reasons for a BWN to be issued.

Background Cont.

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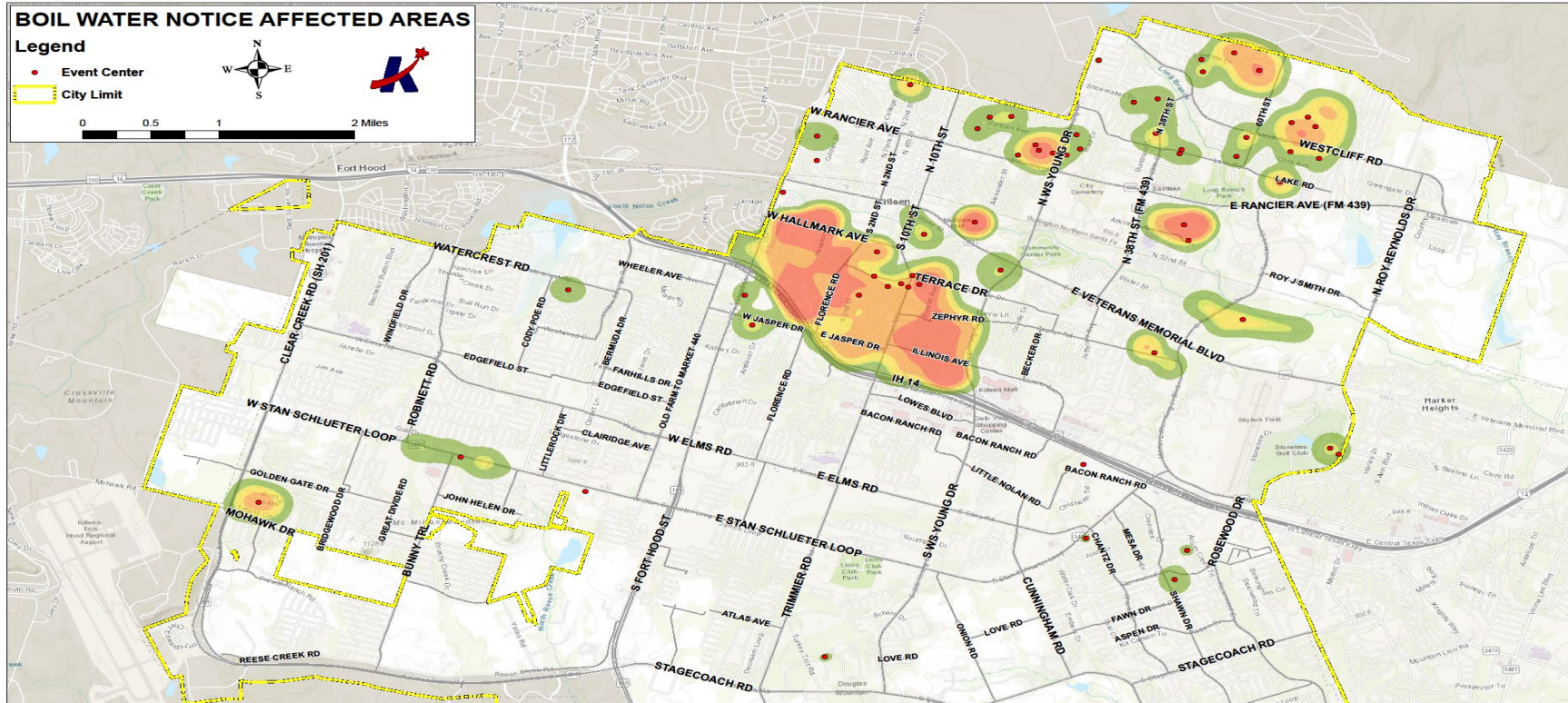
- ❑ In 2022, the Water and Sewer Division was responsible for 308 repairs and/or replacement incidents; 67 of these required a Boil Water Notice (BWN).
 - ▣ 53 emergency
 - ▣ 14 scheduled
- ❑ The most common cause of a BWN in the city is due to loss of pressure to all or parts of the distribution system from a main break, hit water line, and/or routine maintenance.

2022 BWN Events

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Low Pressure (i.e., below 20 pounds per square inch)	66 (Total)
- Main Break	31
- Contractor Hit	17
- Repair/Replace WL (11 scheduled)	15
- Construction (Scheduled)	3
Power Outages	1 (Belton WTP)

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BWN Flowchart Example

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Distribution pressure drops below 20 psi during maintenance, repair, or emergency incident.

Can the affected area be isolated in order to repair, disinfect, and flush to AWWA standards? *



Immediately issue a BWN to the affected area utilizing template from TCEQ.

Placed on our website immediately

Notification is given to locations
affected as reasonable

A copy of the BWN must be sent to
TCEQ within 24 hours of distribution.



A PWS shall not rescind a BWN until it has provided the required compliance documentation to TCEQ.

Water distribution pressures greater than 20 psi are
maintained.

Lab samples are found negative for total coliform
organisms.



Rescind Notice of BWN is posted utilizing template from TCEQ

Summary

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- ❑ There are about 4,650 community systems, mostly operated by cities and these systems service about 97 percent of Texans, according to the TCEQ website.
- ❑ Only 13% of community water systems in Texas have received the Superior Water Rating, according to TCEQ records.
- ❑ The City of Killeen received this prestigious honor from TCEQ in 2019 and continues to hold a Superior Water rating.
- ❑ To be recognized, a PWS must go above and beyond the minimum standards in protecting public health and ensuring reliable operation.