

Timeline of Events

9/2 Well #2 experienced failure

9/4 Arrowhead Drilling contacted to diagnose well #2

9/8 Arrowhead Drilling began to pull well #2 but was unable to complete the project

9/8 Skinner Drilling was contacted

9/11 Skinner Drilling arrived and pulled well #2 and diagnosed several problems/repairs needed

9/25 Received estimate for well repairs from Skinner Drilling

9/27 Emergency meeting held and the BOD voted to accept the estimate and proceed with the repairs; Skinner was notified with the go ahead

9/30 Power outage lasting roughly 12 hours; Well #1 not running during this time

10/4 Contacted Skinner Drilling to get an estimate on how long repairs will take; Skinner stated he had not received the go ahead; Go ahead was re-sent and receipt confirmed.

10/5 Power outage lasting about 5 hours; Well #1 not running during this time

10/9 The level of water in the storage tanks dropped below acceptable levels (the amount of water going out exceeded the amount of water Well #1 was pumping in); Water conservation requests were posted

10/10 Water began to be trucked in from surrounding areas to help raise the level of water in the tanks; it was input into the system and run through the RO and chlorinator; Boil Notice was posted as a precaution.

10/11 SBWSC Rented a backup generator in case of power outage

10/12 Repairs to Well #2 started with the cleaning of the casing in Well #2; backup generator arrived and was set up.

10/13 Meeting agenda and notice for the regular monthly meeting scheduled for 10/16/23 at 10:00am at the SBWSC Office was posted at the required and usual posting sites: The SBWSB website and the bulletin board at the Terlingua Post office

10/14 TCEQ contacted SBWSC and required the posting of the Do No Use Notice; the decision to issue this notice was based on the fact that some of the trucks used to haul water were not certified for potable water transport. The notice was posted on the website and at the bulletin board at the Terlingua Post Office. SBWSC began requesting detailed information on the type of each vehicle and a history of usage from the entities responsible for the vehicles per TCEQ's request.

10/16 Monthly meeting held; The current situation was discussed including the series of events leading up to the situation, the status of repairs, and plans/steps to prevent this from happening again. A decision was made to have a townhall style meeting as soon as we could (3 days per Open Meetings Act Requirements). The date was set for 10/19 at 6pm at the Red Patillo building. It was also decided to have a second meeting on Wednesday 10/25 at 10am at the Terlingua EMS station.

10/18 The Requested paperwork regarding the trucks was submitted to TCEQ. Repairs to Well #2 completed and disinfected. Samples collected for testing, see below for details.

10/19 TCEQ notified SBWSC that it was okay to start running Well #2

Samples collected for testing

Collected by Jorge and driven to the lab in Odessa on 10/19:

TDS, Chloride, and Sulfite (Normal monthly samples)

E.coli and Coliform (Normal monthly samples)

Radium-228, Radium-226 and Uranium (Normal quarterly samples);

Collected by TCEQ approved collector and driven to the lab in on 10/19:

VOC (volatile organic compounds) and metal samples (Not normally taken)

Acidification, pH, Turbidity, visible particles, uranium, Gross Alpha, Gross Beta, Radium-226 and Radium-228 (Normal quarterly samples)

These will be delivered to the TCEQ lab tomorrow with a rush order on the processing.

Once we receive the results TCEQ will evaluate them and provide us with the next steps.

Repairs/upgrades to Well #2

Acid wash, scrubbing, and removal of debris

Replaced the cable connecting the motor/pump to the above ground power source

Replaced motor

126 feet of damaged pipe replaced with new stainless steel pipe

Added a second electrical meter so that each well will be running off of their own power source.

Upgraded the control panel for well #2

Replaced all of the wiring connected to the well, the meter, and the control panel

Notes on Backup Generator

The original backup generator purchased based on the recommendation of the engineering company using grant monies around 2016 does not function to meet our current needs.

SBWSC has been working to upgrade the generator to the appropriate size.

Judge Henington has notified SBWSC that grant monies from Brewster County have been set aside for SBWSC to purchase the needed generators.

Based on current needs and advice from electricians and well maintenance companies we are planning on purchasing 2 propane powered generators. It is estimated that we will have them installed in 120-150 days.

Upcoming Projects

Well #1 – new stainless steel pipe to fix leak after the system is running at full compacity and with backup generator

2nd RO System up and running

Upgrade/Repair Rough Run Line

Repair/Replace line by Long Draw