

Below is a monthly maintenance report for the second half of September and the first half of October. In order to keep the board informed this report will be submitted prior to each monthly Board of Directors meeting. The list is intended to show the major maintenance jobs performed, not necessarily in chronological order; many other minor tasks were also completed during the time period. All jobs were performed by either Jeff Johnson or Kurt Slentz (or both). We are trying to get most of the minor maintenance jobs cleared up before the onset of winter, for obvious reasons.

Service items from latter September and early October to date (09/18/2024 – 10/14/2024: details available on request):

1. Set up and calibrate the new chlorination pump in the pumphouse and place it into service. We are currently chlorinating the system post-main line repairs.
2. Leak check line from the corner of Belgian Ct. and Hart Ranch Rd. to the main line valve in Brummer's field. A leak was found and repaired with a compression clamp by On-Site Construction on 10/8/2024. The city of Rapid City came out and assisted with finding the leak on that line (organized by On-Site Construction). The cisterns of the two residences on the line were manually filled after the leak was detected and until it was repaired.
3. Replace the meter at the Butch Shields residence.
4. Verified the leak from the valve in Brummer's field to the test pit on Clydesdale: slow leak detected. It is suspected that the leak is somewhere between the valve and the last repair on the line. Turn that section of the line off after flushing and filling it with chlorinated water.
5. Leak check main from Schmoll's field to valve at Briggs. Leak check Briggs' service line. No leak was detected on either line.
6. Leak check the new Larson main extension including the two service lines. No leaks were detected.
7. Leak check the line from the test pit on Clydesdale to the hydrant on Clydesdale, including Hackney Ct. Slow leak indicated on the Clydesdale section of the main.
8. Test the main from Belgian Ct. to the pumphouse. No leaks were detected.
9. Leak check from the valve below the reservoir to the end of Ruthies Trl. A slow leak was detected on the main between the valve below the reservoir and the main line valve at Ruthies.
10. The Pine Grove maps are still being updated by Rapid Map (the City of Rapid City and Pennington County) to include the new construction and residences. Several additions were located and sent to the city for inclusion in the updates.
11. Leak check the repair on Belgian: it is unclear if there is another leak on the line or if air from the repair was affecting the test. The line will be retested after the line is in service for a while.
12. Leak check from the pumphouse to the old firehall. Substantial leak detected. Work with On-Site to repair the (major) leak across from Hall's on Neck Yoke. This repair included installing a curbstop across the road from the Hall meter pit. The leak check of the repair indicated no leak.
13. Flush 4,000 to 5,000 gallons from the 4" connection on the hydrant at the old firehall to evacuate any sediment from that lowest section of the main.
14. Leak check the main from the reservoir to the old firehall. No leak was detected.
15. Leak check the main from the valve in Schmoll's field to the test pit on Clydesdale. No leak was detected.
16. Leak check main to Triple S Dr and Sheely. No leaks were detected.

Recommended line maintenance jobs (similar to last month):

1. Replace the section of pipe in the pumphouse from the union downstream from the chlorination valve to the valve immediately above the flange on the discharge line. This should be considered a priority before the nipple above the flange decides to schedule the

replacement itself by developing a pinhole, which would have a high probability of taking out the expensive electronics in the pumphouse.

2. Find and repair current leak(s), if the latest leak fixes did not sufficiently reduce the line loss.
3. Remove the curbstop and cap the tap at the junction of Morgan Ct. and Clydesdale Rd. (used for Hart ranch stock tank before Emery purchased the land).
4. Remove unused curbstop at Berry residence (Clydesdale Rd.).
5. Install meter, throttling valve, and disinfection port on Sudbury well, at a minimum.

Recommended actions:

1. Have [REDACTED] sign a document for responsibility if he decides to alter his meter pit.

Best Regards,

Jeff and Kurt

Submitted by:

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Operator

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