

Public Works Department Report

April/May 2025

Russell Ferguson/Lorraine Hunnicutt

Public Works – Russell Ferguson is traveling to Washington DC along with some City Council Members and the City Manager.

Water Treatment Plant – The thirteen (13) new UF modules have been installed at the water treatment plant. It has increased ultra filtration flow rate and lowered Transmembrane Pressure significantly. Call outs for plugged UF membranes have been nearly eliminated, and Water Storage Tank levels are now up to 21 feet and rising about 6 inches per day. Drake has installed 6 air bubblers at Devil's Lake to help with manganese and iron removal. Since the bubbler system has been installed the manganese level has been dropping daily for 2 weeks and is now at 0.09 mg/L. The broken check valve for the ultra-filtration pump has been replaced. A larger sodium hydroxide tank and new injection point have been installed by Udelhoven to help with sodium hydroxide injection in the fall. This will improve manganese removal by raising pH in the Oxidation tank. The Gravity Waste sump still has a broken discharge line under the building slab. Udelhoven attempted a camera inspection of the line, but was unable to do it because of too many elbows in the line. A clean-out installation and re-inspection is planned for their next visit. The Vortac Lake suction line has been installed for the summer. The switchover to Vortac will be dependent on when the lake thaws, but is usually in early June.

Building Maintenance – For a complete record of the work orders – on Public Works Assistant Directors computer. Reports are from April 10, 2025 through May 5, 2025. There were nine (9) work orders generated. Two (2) Fire Hall; Five (5) Jail; One (1) Old Rec Center; One (1) Youth Center.

Streets Department – has been busy with snow removal. There were three work orders generated for the Streets department.

Shop Department – there were seven (7) work orders. Three (3) KFD; Three (3) Heavy Equipment; One (1) Light Duty.

Line Maintenance – there were twenty-four (24) work orders generated of which ten were billable \$2,900.00. We have new pumps installed at Lift Station #10, both pumps are running. They do have the correct flanges which makes a difference. Lift Station #11 also has new pumps installed. The discharge will need to be cleaned so pump #2 can be installed. Lift Station #2 has new pumps installed and everything is running fine. Lift Station #12 – we are waiting for rebuild kits for the pumps which are around 40 years old. The breaker and the contact switches will need to be changed out as they

are fried. We only have one working pump at Lift Station #12. We hired four (4) pump crew.

Refuse Department – the new baler is currently in the manufacturing process and should arrive the first week of August. Blankenship came up and had a meeting with Drake Construction, Northwest Electric and Public Works on replacing the baler machine.