

To: Mayor Jacque and City Council Members
Cc: Mick Michel, City Administrator
From: John F. Wandsnider, PE – Public Works Director/City Engineer
Date: December 11, 2025
Subject: Public Works Report: November 13 – December 10, 2025

Things have been operating well over the last month or so in Public Works.

Operation and Maintenance of Fleet, Highways, Streets, Alleys, Parks, Trails, Rivers, Creeks, etc.

Well, it appears winter has set in a little early this year. We have already had several sizable snow events including one Snow Emergency and have used 120 of the 450 tons of salt we have allocated. Hopefully we can break out of this weather pattern soon. Our five full-time and 5 part-time equipment operators are doing an excellent job with their responses.

In general, the streets and fleets arm of Public Works is doing an excellent job in the operations and maintenance of Dyersville's pavement and drainage systems and equipment. We had winterized and mothballed our summer street maintenance equipment such as the street sweeper and made ready our winter street maintenance equipment and materials.

Operation and Maintenance of Drinking Water Delivery and Wastewater Disposal Systems

The drinking water source, storage, treatment, and distribution systems are serving the city well. The wastewater collection, pumping, treatment, and disposal systems are also operating well. Dyersville's Water and Wastewater operators are doing an excellent job keeping everything functioning well. Please refer to their reports for November, below.

Improvement and Expansion Projects

Olde Castle Road Utilities Extension (added 12/25)

We are reaching out to property owners to discuss needed easements. A meeting is scheduled for this week with one property owner and the other is pending.

Westlinden Lift Station (added 7/25)

This project is currently on hold pending site selection review efforts with the City and adjacent property owners.

1st Street SW Rehabilitation (added 6/25)

On-hold for the moment.

3rd Avenue SW Bridge Replacement (added 2/25)

The City has applied for a grant through the Iowa DOT to replace this bridge.

1st Avenue West - Old Highway Road - Improvement (Added 2/24)

Bids have been received. See info elsewhere in packet.

Downtown Streetscape Rehabilitation (Added 4/23)

The rehab is nearly completed. We will be replacing the failing caulk in the Spring.

Downtown Businesses Accessibility – (Added June, 2021)

There is a need for a ramp on 2nd Avenue NE that is under consideration for next year.

20 West Industrial Park, Phase III Rise Grant App. (Added August, 2022)

Paving has been complete. Street lights have been installed. Project is substantially complete.

Field of Dreams Stormwater Wetland and Mitigation (Added to list in April, 2020)

A map showing areas requiring attention has been prepared by the engineer. Work is expected soon. A live streaming camera of the site is available for viewing at: <https://video.nest.com/live/G4AGPm8tkR>

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Memorandum

To: Mayor, City Council Members and City Administrator
From: Terry Recker, Water Operator
Date: December 5th, 2025
Subject: **Water Operation November 2025 Report**

Water Pumped

Total Water Pumped for Month	12,450,000 Gallons
Average Pumped per Day	415,000 Gallons
Maximum Daily Pumped	570,000 Gallons

Chlorine Testing

Average Free Chlorine in the System –	2.00 mg/l
Average total Chlorine in the System -	2.20 mg/l

Polyphosphate

Average Residual at Well #4	0.95 mg/l
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Water Call Outs

1 for the month
Total for the year – 6

Water Main Breaks

0 for the month
Total for the year – 7

Water Activities

64 - Line Locates Completed
35 - Water Work Orders Completed

Operations and Maintenance

Bacteria samples were taken, and the results were negative. The monthly operating report was completed and sent to the DNR. Preventative maintenance was completed at Well#4 and #5, including exercising water valves and doing well draw down at both wells. Daily rounds were completed for the month at both wells. Meter reading was also completed this month. The exterior water tower lighting was completed this month(see pictures) and we relocated the water tower power to the SE booster station so it can be ran on emergency generator power if there is a power outage.

Water Operator in Charge,
Terry Recker



Memorandum

To: Mayor, City Council Members and City Administrator
From: Wastewater Operator
Date: 12/25
Subject: **Wastewater Operations –**

Influent Flows

Total Treated for Month 14,385,000 Gallons
Average Flow per Day 479,000 Gallons
Maximum Daily Flow 565,000 Gallons
Average Influent Biochemical Oxygen Demand 231 mg/L
Plant loading pounds per day of 982 lbs. plant design loading 2400 lbs. per day
Average Influent Total Suspended Solids 266 mg/l.
Plant loading pounds per day 1121 lbs. plant design loading 3600 lbs. per day.
Average Influent Total Nitrogen NA mg/l
Plant loading pounds per day NA lbs.
Average Influent Phosphorous NA mg/l.
Plant loading pounds per day NA lbs.

Effluent Testing

C.B.O.D. Monthly Average	2.7mg/l	Limit - 25 mg/l
T.S.S. Monthly Average	1.1mg/l	Limit - 30 mg/l
Ammonia Monthly Average	0mg/l	Limit – 5.9 mg/l
Total Nitrogen	NA lbs. per day	Yearly Average 88lbs per day
Phosphorus	NA lbs. per day	Yearly Average 24lbs per day E-coli

Not Required again until March 2026

Sewer Call Outs – 3 for the month at the Treatment Plant.
Total for the year – 10

On November 28th one of heat lamps on the East Plant Clarifiers wasn't working and caused ice buildup. We have since replaced the heating elements.
On Dec 1st West Side Lift Station had some type of Electrical malfunction and locked up pump #2 and did damage inside the control panel. Terry was able to get it back working temporarily until we can get a permanent fix. Terry and Tim are in contact with Scott at Allied Pump about options to rebuild the lift station. This would include two new pumps and a new control panel. Due to different power sources, we are looking into upgrading to a more common power source so that pumps are more readily available and not such a unique power source. Scott has been working on a quote for this process but has not gotten back to me yet.

On Dec 8th Main Lift Station had a malfunction in which the controller that communicates between the floats and the transducer and control panel went bad. Terry and Terry were able to troubleshoot and get ahold of Automatic Systems and get replacement parts coming.

Other than that winter is here, which with the cold temperatures brings icing issues. We have been on top of that trying to stay ahead of keeping the ice off the oxidation ditch and off the digester.

Tim have been working on sludge paperwork for the 2025 season. We did have good weather this year to haul and land applying at Steve Olberdings farm with rental equipment from C.J Beeps Equipment. We hauled 253.2 wet tons and applied that to 12.5 acres. Last year we hauled 435.6 wet tons and applied to 24.7 acres. Overall, in 2024 the plant produced 1,986,000 gallons, in 2025 we produced 2,070,000 gallons. We produced more gallons and hauled less due to the weather washing the sludge off the drying pad and into the old lagoon basin.