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**To:** Mayor Jacque and City Council Members  
**Cc:** Mick Michel, City Administrator  
**From:** John F. Wandsnider, PE – Public Works Director/City Engineer  
**Date:** March 13, 2025  
**Subject:** Public Works Report: February 13 – March 12, 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.**

The streets and fleets arm of Public Works is doing an excellent job with normal winter activities in the operations and maintenance of Dyersville's pavement and drainage systems and equipment. We continue to experience dry conditions – nobody is complaining! We have used very little road-salt since my last report. As time and conditions allow, we have been filling pot-holes and repairing and maintaining equipment.

We reactivated the street sweeper and have been cleaning the streets – the repaired hopper is working quite well. We concentrated especially on the parade and 'gallop' routes this week. We plan to have the flags up, traffic-control devices, and 'no parking' signs out in time for the events.

We took possession of the new dump-truck-plow-truck-material-spreader (Unit 6-25) last month just in time for the last snow of the season (so far). It operated flawlessly and will be a great replacement for the old Unit 6. We appreciate the City Council's commitment to keeping the City's fleet effective, efficient, and reliable.

**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. Please refer to the Water and Wastewater reports for February, below.

**Improvement and Expansion Projects**

**3rd Avenue S Bridge Replacement (added 2/25)**

The City is applying for a grant through the Iowa DOT to replace this bridge. The City Engineer, with assistance from WHKS, has been assembling the necessary information and documents, responding to the various questionnaires, and meeting with the DOT, to complete the application process. (see info. elsewhere in the packet).

**Field of Dreams Movie Site Roadway (added 11/24)**

**Contract has been awarded to Top Grade Excavating and construction is set to begin within a week or two.**

**Castle Hill – 4<sup>th</sup> Addition (added 7/24)**

**Work to continue with the utilities left to be constructed will commence within a week or two.**

**Lake View Estates (added 7/24)**

The utilities and the paving have been completed within the subdivision. **Construction of the sanitary sewer extension across other private property began this week.** The developer's engineer has maintained a presence on the site when appropriate to help to ensure a quality product.

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

**The Street Committee met and decided on the 3<sup>rd</sup> Option, 2-inch Hot Mixed Asphalt resurfacing (elsewhere in the packet).**

Downtown Streetscape Rehabilitation (Added 4/23)

**The contractor is scheduled to complete the next section of the streetscape rehabilitation in May. This will complete the project on the east side of the river.**

Hwy 52 Manhole Replacement at 2<sup>nd</sup> Avenue (Added 11/21)

Plan is for work to be done in May, 2025.

Downtown Businesses Accessibility – (Added June, 2021)

**Plans are in your packet for the public hearing. Work will commence Monday after Easter and be completed within two weeks.**

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 this fall. A live streaming camera of the site is available for viewing at: <https://video.nest.com/live/G4AGPm8tkR>

Dyersville East Road Water and Sewer Extension 2020 (Added to list March, 2020)

Substantial completion has been issued for the Contract E Water and Sewer project.

- END -

# Memorandum

**To:** Mayor, City Council Members and City Administrator  
**From:** Terry Recker, Water Operator  
**Date:** March 10th, 2025  
**Subject:** **Water Operation February 2025 Report**

## **Water Pumped**

Total Water Pumped for Month	12,085,000 Gallons
Average Pumped per Day	432,000 Gallons
Maximum Daily Pumped	831,000 Gallons

## **Chlorine Testing**

Average Free Chlorine in the System –	1.75 mg/l
Average total Chlorine in the System -	1.88 mg/l

## **Polyphosphate**

Average Residual at Well #4&#5	1.17 mg/l
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## **Water Call Outs**

2 for the month  
Total for the year – 2

## **Water Main Breaks**

3 for the month  
Total for the year – 4

## **Water Activities**

25- Line Locates Completed  
59- 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. As you can see from my water report we had 3 water main breaks throughout the city in the month of February. The first one was at 526 12<sup>th</sup> Ave SE on February 2<sup>nd</sup> (See pictures below). The next one occurred on February 12<sup>th</sup> at 301 2<sup>nd</sup> Ave NE. The last one for the month happened on February 20<sup>th</sup> at 1030 1<sup>st</sup> St. SW. I believe the increase in water main breaks is due to the extremely cold temperatures combined with the lack of snow cover and dry conditions that is driving the frost into the ground farther this year than other years. All three water main breaks were repaired quickly by Krapfl Construction with minimal interruption to water service.

Water Operator in Charge,  
Terry Recker





# Memorandum

**To:** Mayor, City Council Members and City Administrator  
**From:** Wastewater Operators  
**Date:** March 13, 2025  
**Subject:** **Wastewater Operations –**

## **Influent Flows**

Total Treated for Month 12,326,000 Gallons  
Average Flow per Day 440,000 Gallons  
Maximum Daily Flow 509,000 Gallons  
Average Influent Biochemical Oxygen Demand 335 mg/l  
Plant loading pounds per day of 1249lbs. plant design loading 2400 lbs. per day  
Average Influent Total Suspended Solids 316 mg/l.  
Plant loading pounds per day 1169lbs. plant design loading 3600 lbs. per day.  
Average Influent Total Nitrogen 40mg/l  
Plant loading pounds per day 161lbs.  
Average Influent Phosphorous 7.6mg/l.  
Plant loading pounds per day 30lbs.

## **Effluent Testing**

C.B.O.D. Monthly Average	2.25mg/l	Limit - 25 mg/l
T.S.S. Monthly Average	5.6mg/l	Limit - 30 mg/l
Ammonia Monthly Average	1.21mg/l	Limit – 13 mg/l
Total Nitrogen	17lbs per day	Yearly Average 88lbs per day
Phosphorus	6.8lbs per day	Yearly Average 24lbs per day E-coli
Not Required UV goes back in March15.		

**Sewer Call Outs** – 1 for the month at the Treatment Plant.  
Total for the year – 1

Everything has been operating well for the seasonal weather this time of year. We did have some issues with digester freezing over due to the air diffusers in the bottom of the tank not working properly. We have since reached out to our distributor for a price quote to get them fixed during the summer.