

**To:** Mayor Jacque and City Council Members  
**Cc:** Mick Michel, City Administrator  
**From:** John F. Wandsnider, PE – Public Works Director/City Engineer  
**Date:** April 16, 2025  
**Subject:** Public Works Report: March 13 – April 15, 2025

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

**Dyersville Public Works Equipment Exhibition – June 24, 10:00a.m. to 12:00p.m.**



The Public Works staff, along with staff of the James Kennedy Public Library, are making plans to celebrate National Public Works Week. Please go to the following website for information on this very worthwhile event:

<https://www.apwa.org/events/national-public-works-week-npww/>

However, since we have gotten rained-out in at least half the times we attempted this, we are moving the exhibition to June! For 2025, we plan to feature vehicles, equipment, and operators from all three divisions - Water, Wastewater, and Streets. The special exhibition will take place on Tuesday, June 24, from 10:00 a.m. to 12:00-noon in the City parking lot adjacent to the library.

Here is the promo from JKPL:

***Dyersville Public Works Equipment Exhibition: Tuesday, June 24 from 10:00-12:00 pm. The JKPL and Dyersville Public Works are partnering to celebrate National Public Works Week (May 18-24). This year, Public Works will bring some of their vehicles and equipment to the library parking lot in June to show***

***them off and talk about how each one is used to help Dyersville. Included will be the street sweeper/vacuum, end-loader, skid-loader, utility crane, sewer camera unit, and a brand-new dump-truck/snow-plow/sand-spreader! In the Hoffmann Room, the library will be showing videos on the many different services Public Works provides, as well as how Dyersville's water and wastewater systems operate. All ages welcome. Guests will receive a fire hydrant stress reliever (while supplies last) and ice cream will be provided.***

We hope you can join us!

**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 the operations and maintenance of Dyersville's pavement and drainage systems and equipment. It is nice that we did not have to deal with much snowfall over the last month. We were able to get caught up on some equipment maintenance, have started migrating the winter maintenance equipment toward storage, and have been preparing things for

spring/summer. We have also been filling potholes and preparing for street pavement maintenance as well as continuing our sign replacement program.

The street sweeper rehabilitation appears to have been successful. We were able to clean things up well in time for St. Patrick's Day festivities and we have resumed our regular street sweeping regimen for the Spring/Summer.

We have also been working to help Parks and Recreation. The parks and ballfields are being made ready for use and the preparation of the swimming pool has begun.

### **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.

You will note in the Water System Operations Report, we took the Well #4 system offline to perform some needed maintenance to the radium-removal treatment facility. Over time, a sludge builds up in the filter tank. This needs to be removed and disposed of. Filter media was also added to replace that used up in the process. Public Works staff did an excellent job with this dirty and difficult task. We believe we should be good now for another 10 years!

Another item of note, we have had 7 water main breaks this season! This is way up from the 2 – 3 we normally have, on-average. With the lack of snow-cover this year, the frost had penetrated to a depth we have not seen in a while. Fortunately, we have been able to respond quickly to the breaks to minimize disruptions.

### **Improvement and Expansion Projects**

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

The City is applying for a grant through the Iowa DOT to replace this bridge.

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

**Good progress is being made on the project. Subbase and base stone has been placed. We expect paving to take place in the next couple weeks.**

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

**Work to continue with the utilities left to be constructed has begun.**

#### **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 was completed a week or two ago.** 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)**

**Work has begun on the development of the project to overlay the paving with concrete (white-top).**

#### **Downtown Streetscape Rehabilitation (Added 4/23)**

The contractor is scheduled to complete the next section of the streetscape rehabilitation in **April/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)**

**The Contractor has met with both restaurant owners and is scheduled to install the ramp over the next 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 **Spring**. 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:** April 10th, 2025  
**Subject:** **Water Operation March 2025 Report**

## **Water Pumped**

Total Water Pumped for Month	12,699,000 Gallons
Average Pumped per Day	410,000 Gallons
Maximum Daily Pumped	631,000 Gallons

## **Chlorine Testing**

Average Free Chlorine in the System –	1.66 mg/l
Average total Chlorine in the System -	1.80 mg/l

## **Polyphosphate**

Average Residual at Well #4&#5	1.12 mg/l
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## **Water Call Outs**

1 for the month  
Total for the year – 3

## **Water Main Breaks**

1 for the month  
Total for the year – 5

## **Water Activities**

25- Line Locates Completed  
107- 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. We started the month out with another water main break on March 1<sup>st</sup> at 1226 3<sup>rd</sup> Street SW. Krapfl's were able to come in and get it repaired quickly. On March 11<sup>th</sup> we took Well #4 offline to do maintenance and cleaning on the radium removal system. We vacuumed out 8-12" of sludge off the top of the filter beds to get back down to the filter media. We then added back 4" of filter media sand (anthracite) to get the filter bed to the proper level. It took roughly 80 bags of anthracite to get the filter media to the proper depth. We also cleaned the detention basin that had sand and grit on the bottom of it. We are anticipating that by doing these tasks it will help with maintaining a proper chlorine residual in the system. I would like to thank my co-workers that helped with this task because it was a physically demanding and very dirty job. (Pictures below)

Water Operator in Charge,  
Terry Recker







# Memorandum

**To:** Mayor, City Council Members and City Administrator  
**From:** Wastewater Operator  
**Date:** March 16, 2025  
**Subject:** **Wastewater Operations –**

## **Influent Flows**

Total Treated for Month	14,633,000 Gallons
Average Flow per Day	472,000 Gallons
Maximum Daily Flow	634,000 Gallons
Average Influent Biochemical Oxygen Demand	241.5mg/l
Plant loading pounds per day of	973lbs. plant design loading 2400 lbs. per day
Average Influent Total Suspended Solids	180mg/l.
Plant loading pounds per day	723lbs. plant design loading 3600 lbs. per day.
Average Influent Total Nitrogen	25mg/l
Plant loading pounds per day	108lbs.
Average Influent Phosphorous	25 mg/l.
Plant loading pounds per day	104lbs.

## **Effluent Testing**

C.B.O.D. Monthly Average	2.3mg/l	Limit - 25 mg/l
T.S.S. Monthly Average	3.2mg/l	Limit - 30 mg/l
Ammonia Monthly Average	.04mg/l	Limit – 7.7 mg/l
Total Nitrogen	11lbs per day	Yearly Average 88lbs per day
Phosphorus	.69lbs per day	Yearly Average 24lbs per day E-coli
Starting in April	mg/l	Limit 126 MPN

**Sewer Call Outs** – 0 for the month at the Treatment Plant.  
Total for the year – 0

Routine Maintenance, getting the plant ready for summer and getting things lined up for sewer jetting.