

**To:** Mayor Jacque and City Council Members  
**Cc:** Mick Michel, City Administrator  
**From:** John F. Wandsnider, PE – Public Works Director/City Engineer  
**Date:** July 17, 2025  
**Subject:** Public Works Report: June 12 – July 16, 2025

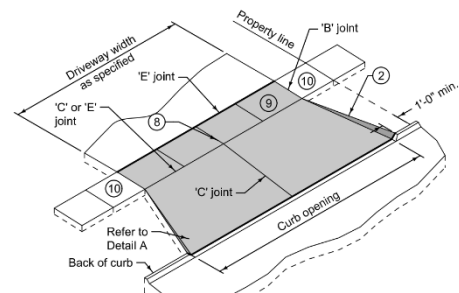
Things have been operating well over the last month or so in Public Works.

**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 the operations and maintenance of Dyersville's pavement and drainage systems and equipment. We completed applying weed-control in the areas where needed. We have also been taking care of street and alley maintenance issues, street sign issues, etc. Eastern Iowa Asphalt Maintenance performed the in-town pavement marking earlier this summer. The centerlines were painted as well. Street-sweeping is a continual monthly effort as well.

**Alley Drive Aprons Improvement:** Elsewhere in your packet are proposals from F.L. Krapfl, Inc. for work on two alleys in the SE part of town. This work is to correct a problem where stormwater run-off is being directed from city streets into private back-yards.

As background, an urban pavement with curb-and-gutter is designed to convey storm water into intakes and storm sewers and away from property. Part of the street pavement system includes driveway aprons for alleys and private driveways (see detail). The idea is to be able to convey a depth of up to 6 inches of stormwater down the street without allowing it to flow down a driveway or alley.



We have identified two locations where alleys are allowing stormwater to flow down the alley and into private back yards: One is on the 600-block of 5<sup>th</sup> Street SE, and the other is on the 600-block of 6<sup>th</sup> Street SE. The below images demonstrate the problem (6<sup>th</sup> Street), showing where storm water can flow when the curb is full during heavy rains:



Installing a proper driveway apron will correct this problem. Below is an example of an existing driveway that functions properly from a drainage standpoint:



### **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 report for June as well as the Wastewater reports for both May and June, below.

“A whole lotta flushin’ goin’ on” in Dyersville over the last month. We flushed about 320 fire hydrants to keep the water in the mains fresh, and we flushed (jetted) 40,642 feet of sewers and 175 manholes to keep the system clear and operating well.

With the unseasonably high amount of rain we have been getting in June and July, the dried sludge being stored outside at the wastewater plant has again become saturated, causing it to spread out and open up. This releases some very pungent odors in the immediate area. The City may want to look at a way to store the dried sludge under roof.

We have a good inventory of compost and mulch available to the public at the wastewater treatment plant.

### **Improvement and Expansion Projects**

#### **Westlinden Lift Station (added 7/25)**

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

#### **1<sup>st</sup> Street SW Rehabilitation (added 6/25)**

This street, which lies north from 12<sup>th</sup> Avenue SW along the west side of the river, is long overdue for asphalt resurfacing. However, multiple water main breaks and sewer pipe failures necessitate substantial underground work, including replacement of the water main and portions of the sanitary sewer, prior to resurfacing. The length of the street is over 1,300 feet, equivalent to about 4.25 city blocks.

#### **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)**

Finish work has been completed and the project is substantially complete.

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

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

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

The rehab is nearly completed. We will be doing some minor ‘mud-jacking’ to eliminate ADA deficiencies along the sidewalks and replacing the failing caulk.

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

Project is complete.

Downtown Businesses Accessibility – (Added June, 2021)

Construction of the ramps on the West side of the river has been completed. **A new ramp was constructed in front of the former English Pub. The railing will be fabricated, coated, and installed in the next few 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:** July 10th, 2025  
**Subject:** **Water Operation June 2025 Report**

## **Water Pumped**

Total Water Pumped for Month	15,936,000 Gallons
Average Pumped per Day	531,000 Gallons
Maximum Daily Pumped	817,000 Gallons

## **Chlorine Testing**

Average Free Chlorine in the System –	1.50 mg/l
Average total Chlorine in the System -	1.64 mg/l

## **Polyphosphate**

Average Residual at Well #4&#5	0.94 mg/l
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## **Water Call Outs**

1 for the month  
Total for the year – 5

## **Water Main Breaks**

1 for the month  
Total for the year – 7

## **Water Activities**

102- Line Locates Completed  
40- 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. On June 17<sup>th</sup> there was a water main leak at the corner of 8<sup>th</sup> Ave and 4<sup>th</sup> St. NW (See picture). It was discovered that it was a leak on a valve and the valve was then replaced by Krapfl Construction the next day. Also, that week on Monday we started with the task of flushing all the fire hydrants throughout the city. Flushing in that area on Monday could have contributed to the valve starting to leak on Tuesday. We were able to flush over 320 hydrants in 7 days with the help of Joe, Tanner and the summer helper David.

Water Operator in Charge,  
Terry Recker



# Memorandum

**To: Mayor, City Council Members and City Administrator**

**From: Wastewater Operator**

**Date: June 13, 2025**

**Subject: Wastewater Operations –**

## **Influent Flows**

Total Treated for Month 15,159,000 Gallons  
Average Flow per Day 489,000 Gallons  
Maximum Daily Flow 575,000 Gallons  
Average Influent Biochemical Oxygen Demand 300 mg/l  
Plant loading pounds per day of 1289 lbs. plant design loading 2400 lbs. per day  
Average Influent Total Suspended Solids 213 mg/l.  
Plant loading pounds per day 911 lbs. plant design loading 3600 lbs. per day.  
Average Influent Total Nitrogen 44 mg/l  
Plant loading pounds per day 191 lbs.  
Average Influent Phosphorous 43 mg/l.  
Plant loading pounds per day 188 lbs.

## **Effluent Testing**

C.B.O.D. Monthly Average	5.25 mg/l	Limit - 25 mg/l
T.S.S. Monthly Average	4.37 mg/l	Limit - 30 mg/l
Ammonia Monthly Average	1.55 mg/l	Limit – 13 mg/l
Total Nitrogen	23 lbs. per day	Yearly Average 88lbs per day
Phosphorus	.5 lbs. per day	Yearly Average 24lbs per day E-coli
Not this Month	mg/l	Limit 126 MPN

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

Total for the year – 1

Routine maintenance around the plant. And get things ready for the routine sewer cleaning.

# Memorandum

**To:** Mayor, City Council Members and City Administrator  
**From:** Wastewater Operator  
**Date:** July 11, 2025  
**Subject:** **Wastewater Operations –**

## **Influent Flows**

Total Treated for Month 16,206,000 Gallons  
Average Flow per Day 540,000 Gallons  
Maximum Daily Flow 795,000 Gallons  
Average Influent Biochemical Oxygen Demand 228 mg/l  
Plant loading pounds per day of 1014 lbs. plant design loading 2400 lbs. per day  
Average Influent Total Suspended Solids 209 mg/l.  
Plant loading pounds per day 977 lbs. plant design loading 3600 lbs. per day.  
Average Influent Total Nitrogen 36 mg/l  
Plant loading pounds per day 171 lbs.  
Average Influent Phosphorous 36 mg/l.  
Plant loading pounds per day 167 lbs.

## **Effluent Testing**

C.B.O.D. Monthly Average	1.62 mg/l	Limit - 25 mg/l
T.S.S. Monthly Average	2.87 mg/l	Limit - 30 mg/l
Ammonia Monthly Average	.18 mg/l	Limit – 13 mg/l
Total Nitrogen	9 lbs. per day	Yearly Average 88lbs per day
Phosphorus	0 lbs. per day	Yearly Average 24lbs per day
	17.1 mg/l	Limit 126 MPN/100ML

**Sewer Call Outs** – 3 for the month at the Treatment Plant.  
Total for the year – 1

We had a call out on June 15<sup>th</sup> for a power surge issue with an east power monitor alarm. We found the voltage monitor saver had gone bad. We temporarily bypassed it and have since replaced it.

Then on 17<sup>th</sup> we had a DO issue with the plant that we had worked on and off throughout the day.

And on June 23<sup>rd</sup> after around 4 inches of rain we had a roto drive failure and then we limited the main lift station so that we didn't flood out the plant by discharging to the holding cell.

The rest of the month we had the Vactor Jetting Truck rented to work on jetting in the southeast side of town. While the truck was here, we were able to clean 40,642 ft of sewer main and 175 manholes. We cleaned out the lift stations and were able to complete the SE side of Dyersville. We plan to try and do some more cleaning later in the year with our trailer unit out is Hageman's subdivision due to

access to some of the manholes doing it with the big Jetter truck isn't going to be possible. Then next year's plan will be to do the Southwest side of town out to the industrial park.

And with June being complete the table below shows the monthly average for each month of the phosphorus and nitrogen. This is where under effluent testing Total Nitrogen and Phosphorus show that the average for Total Nitrogen is 88lbs per day and for Phosphorus is 24lbs per day. Things have been working well. We did send in the last of the required testing results on March 21st for our permit renewal and have not heard anything back on that yet. We will still be operating under the old permit until the new one is issued.

	Phosphorus	Nitrogen
Jul-24	3.9568713	24.9664989
Aug-24	3.9801399	10.27686075
Sep-24	2.6380671	20.4882108
Oct-24	0.7858782	15.18565965
Nov-24	1.9613595	20.10963735
Dec-24	0.848595	16.2558693
Jan-25	2.839353	26.0379804
Feb-25	6.80871345	17.8627788
Mar-25	0.6918447	11.66909865
Apr-25	3.5502129	18.14444145
May-25	0.517497	23.92256025
Jun-25	0	9.64289565
	<b>2.381544338</b>	<b>17.88020766</b>

And something that will probably have to be looked at with our sludge storage pad in the future. With 8.8 inches of rain in the month of June and 4.4 inches already in the month of July the pad is a smelly mess. Last year we had 9.7 inches in June and 6.6 inches in July when I was approached by Mayor Jacque about what could be done about the smell. And again, this year I'm hearing the same complaints from the hotel and citizens that live or work nearby. And maybe it is time to look into other options for storage out of the weather, so it doesn't create such a nuisance.