



MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of
Public Works

July 2023



woodardcurran.com



TABLE OF CONTENTS

SECTION	PAGE NO.
EXECUTIVE SUMMARY	ES-1
1. HEALTH & SAFETY	1-3
2. WASTEWATER TREATMENT	2-1
3. WATER TREATMENT	3-1
4. REVENUE COLLECTION	4-1
5. ANNUAL BUDGET – YEAR 10	5-1
6. MAINTENANCE ACTIVITIES	1

TABLES

Table 2-1:	Water Quality vs. NPDES Permit Limits
Table 3-1:	Monthly Chemical Usage for Ion Exchange Softening
Table 4-1:	FY to Date
Table 5-1:	Annual Budget

EXECUTIVE SUMMARY

The July Public Works monthly report provides an overview of the month's activities and statistical data including safety training, wastewater treatment effluent quality, water production, billing and collection statistics for municipal services, maintenance activities, maintenance and repair costs vs. monthly thresholds, water treatment chemical costs, overall project cost and performance to annual budget.

The Street Department will be participating in the "Touch a Truck" event at this year's Prime Beef Festival on Saturday morning September 9th. The City John Deere wheel loader and John Deere backhoe will be on display.

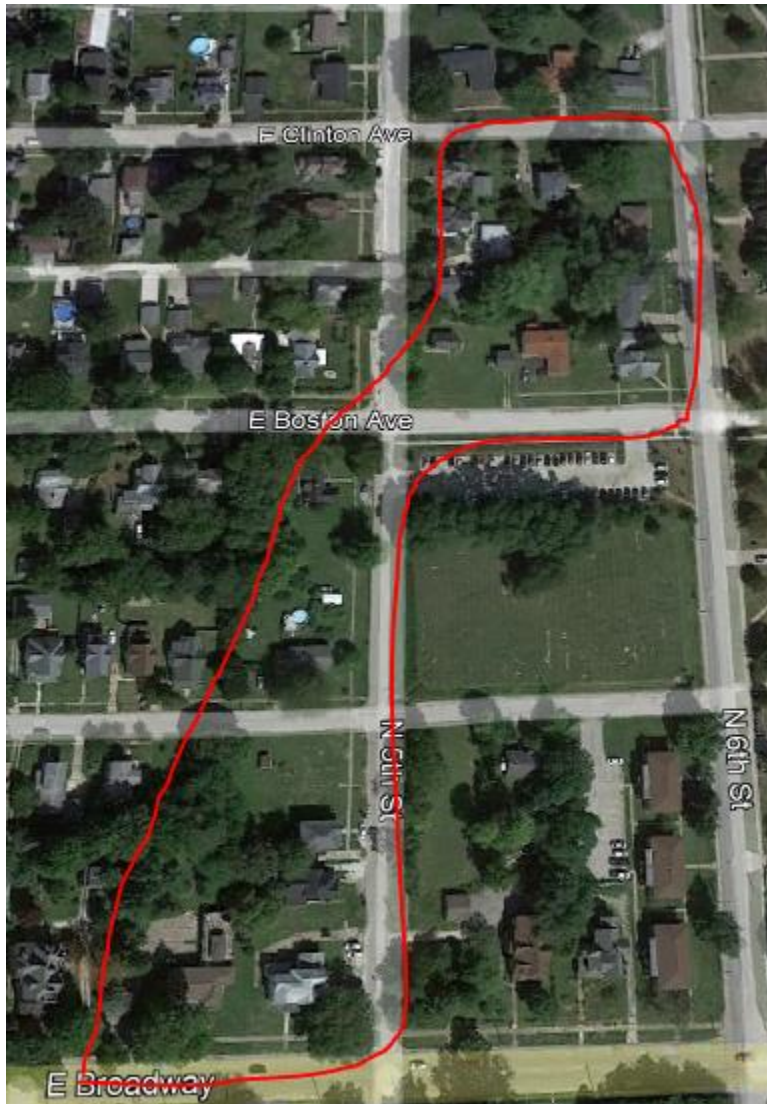
The Euclid/North 6th Street project is 99% completed and East Euclid is back open to traffic. A few small punch list items remain to finish the project.

Congressman Eric Sorenson toured the water treatment plant, observed a lead water service line, and toured the City in conjunction with the \$950,000 grant he has awarded the City to replace lead water service lines to comply with the EPA ruling.

West Harlem water main replacement project is set to go out for bid in early September while the Downtown Utility replacement project has been submitted to IEPA for review and permitting.

North 5th Street sewer replacement project design has begun with the required survey of the project area.

(See the area outlined in red below)



Please contact me at 309-734-4026 if you have any questions,

Andy J

1. HEALTH & SAFETY

There were no safety incidents or near misses in July. Staff continues to complete monthly and annual training on the required OSHA topics.



2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 159 million gallons of treated wastewater in the month of July . There were no combined sewer overflow events in July . The weather station at the plant reported 7" of rain during the month. There were 5 combined sewer overflows during the month. The Consolidated Plant continues to produce excellent effluent quality. The table below outlines the water quality vs. NPDES permit limits.

Table 2-1: Water Quality vs. NPDES Permit Limits

	Monthly Average	Permit Limit
Flow (MGD)	5.1	4.62
Ammonia N mg/l	0.3	1.5
CBOD5 mg/l	2	10
Total Phos	0.9	1
Chloride's mg/l	299	500
Suspended Solids mg/l	7	12

3. WATER TREATMENT

The water treatment plants produced 99 million gallons of finished water in July. Finished water quality met all standards per the Clean Water Act for drinking water. The table below outlines the chemical usage for ion exchange softening for the month.

Table 3-1: Monthly Chemical Usage for Ion Exchange Softening

	Daily Average	Monthly Total
Treated Water to System	3.2 MG	99 MG
Poly Phosphate Usage-lbs.	91 lbs.	2,838 lbs.
Salt Usage — tons	5.3 Tons	163 tons
Chlorine Usage - lbs.	122 lbs.	3,768 lbs.

4. REVENUE COLLECTION

The table below outlines the revenue collected from the Municipal Services billings for the fiscal year.

Table 4-1: FY to Date

PAYMENT TOTALS 2023-2024 FISCAL YEAR										
MONTH	WATER	SEWER	INFRASTRUCTURE	RECYCLE	GARBAGE	YARD WASTE	FARM BONDS	FARM SURCHARGE	OTHER	PENALTY
MAY '22	\$254,618.67	\$194,597.61	\$21,776.84	\$17,258.21	\$40,753.52	\$3,014.13	\$73,712.48	\$0.00	\$25.00	\$2,143.72
JUNE	\$306,748.36	\$215,042.28	\$20,455.77	\$16,525.79	\$38,457.22	\$3,475.31	\$73,545.48	\$876.71	\$125.00	\$2,472.98
JULY	\$311,499.08	\$209,473.53	\$21,176.82	\$16,925.78	\$39,309.81	\$3,726.01	\$73,545.48	\$330.20	\$130.59	\$2,777.33
AUGUST	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
SEPTEMBER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
OCTOBER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
NOVEMBER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
DECEMBER	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
JANUARY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
FEBRUARY	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
MARCH	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
APRIL '23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
YEAR TO DATE	\$872,866.11	\$619,113.42	\$63,409.43	\$50,709.78	\$118,520.55	\$10,215.45	\$220,803.44	\$1,206.91	\$280.59	\$7,394.03
TOTAL REVENUE	\$1,964,519.71									

5. ANNUAL BUDGET – YEAR 11

The table below outlines the month and annual cost summary

Table 5-1: Annual Budget

Budget Category	Month Budget	Month Actual	YTD Budget	YTD Actual	Annual Budget	Over (Under)
Labor (D.L. + FB)	\$130,569	\$126,644	\$423,186	\$409,896	\$1,697,394	(\$13,290)
Utilities	\$3,100	\$4,661	\$10,046	\$8,966	40,296	(\$1,080)
Chemicals Costs	\$28,359	\$24,368	\$91,914	\$82,715	368,667	(\$9,199)
Maintenance\Repair	\$29,017	\$37,870	\$94,047	\$121,290	377,220	\$27,243
Sludge Disposal Costs	\$0	\$0	\$0	\$0	0	\$0
Lab Supplies\Equip	\$4,092	\$2,723	\$13,262	\$15,089	53,193	\$1,827
Office Supplies	\$1,776	\$1,353	\$5,756	\$5,392	23,087	(\$364)
Miscellaneous Expenses	\$4,541	\$5,622	\$14,719	\$14,413	59,036	(\$306)
Other Operating Costs	\$16,755	\$24,584	\$54,304	\$81,794	217,815	\$27,490
Overhead (G.A.)	\$29,483	\$28,597	\$95,558	\$92,557	\$383,283	(\$3,001)
Subtotal Year 11	\$247,692	\$256,422	\$802,792	\$832,112	\$3,219,990	\$29,320
Fixed Fee Year 11	\$17,834	\$18,462	\$57,801	\$59,912	\$231,839	\$2,111
Carryover Year 10						\$16,723
Total	\$265,525	\$274,885	\$860,593	\$892,024	\$3,451,829	\$48,154

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 226 preventative, corrective, and inspection workorders in July

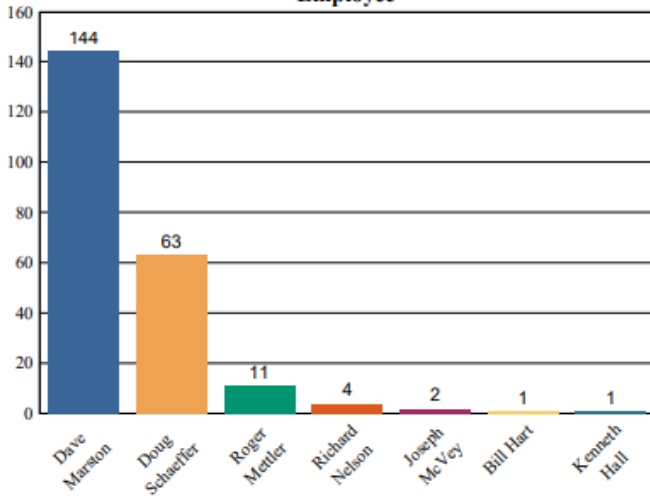


Maintenance History Report Monmouth

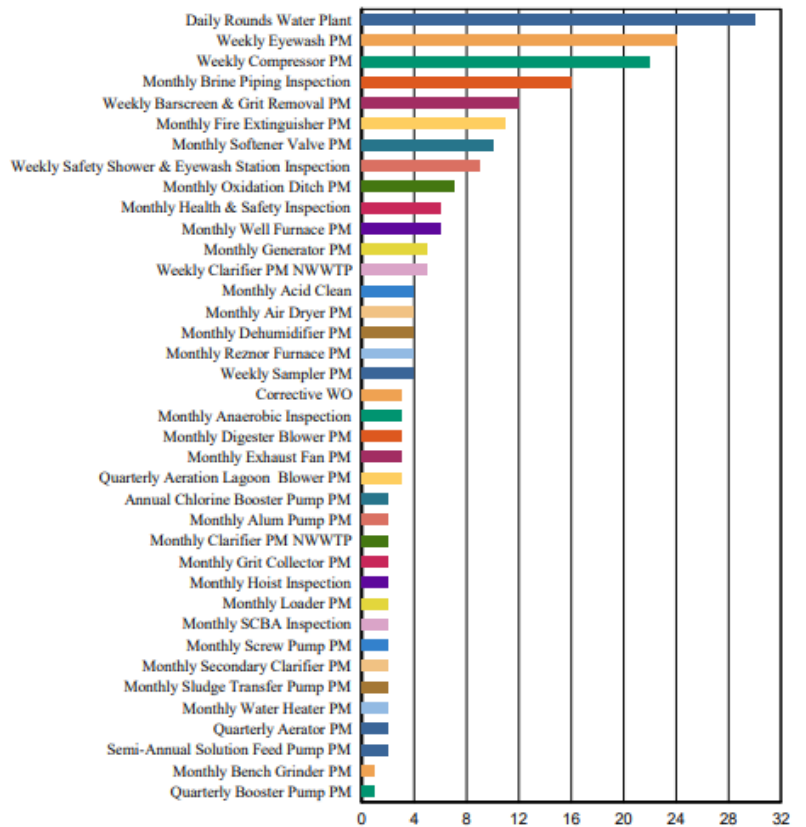
Report Start 7/1/2023
Report End 7/31/2023

Work Orders by Type	Total
Corrective Maintenance	43
Inspections	63
Preventative Maintenance	120
Total	226

Work Orders by Employee



Work Orders by Description





Woodard
& Curran



woodardcurran.com