



MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of
Public Works

June 2023



woodardcurran.com



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EXECUTIVE SUMMARY

The June 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.

Brandt Construction has completed the MFT Street Program. All punch list items have been addressed, awaiting the IDOT closeout documents and final pay request.

Laverdiere Construction started the East Euclid/North 6th water main replacement project on June 26th. The new watermain has been installed, sanitized, and is in service. All of the water service connections have been made. The bulk of the underground work is completed and the old cast iron main has been retired and abandon in place. Restoration efforts will be underway to complete the project including the complete reconstruction of East Euclid Avenue between North 6th and North 9th. The existing pavement will be cored out, new base rock installed, and then new asphalt will be laid. North 6th Street road reconstruction is in design and will require IDOT review and approval moving forward.

Well 5 repair work has been completed and the well put back into service.

Re-conditioning of Softener 4 at the North Water Treatment Plant .is completed and the softener is back in service.

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 June. Staff continues to complete monthly and annual training on the required OSHA topics.



2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 90 million gallons of treated wastewater in the month of June . There were no combined sewer overflow events in June . The weather station at the plant reported 1.4" of rain 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)	2.99	4.62
Ammonia N mg/l	0.1	1.5
CBOD5 mg/l	2	10
Total Phos	0.8	1
Chloride's mg/l	410	500
Suspended Solids mg/l	7	12

3. WATER TREATMENT

The water treatment plants produced 98 million gallons of finished water in June. 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	3.3 MG	99 MG
Poly Phosphate Usage-lbs.	103	3,091 lbs.
Salt Usage — tons	5.7 Tons	171 tons
Chlorine Usage - lbs.	122	3,622 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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
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	\$561,367.03	\$409,639.89	\$42,232.61	\$33,784.00	\$79,210.74	\$6,489.44	\$147,257.96	\$876.71	\$150.00	\$4,616.70
TOTAL REVENUE	\$1,285,625.08									

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)	\$163,211	\$154,303	\$292,975	\$283,252	\$1,697,394	(\$9,723)
Utilities	\$3,875	\$688	\$6,955	\$4,305	40,296	(\$2,650)
Chemicals Costs	\$35,449	\$27,740	\$63,633	\$58,347	368,667	(\$5,286)
Maintenance\Repair	\$36,271	\$60,307	\$65,109	\$83,420	377,220	\$18,311
Sludge Disposal Costs	\$0	\$0	\$0	\$0	0	\$0
Lab Supplies\Equip	\$5,115	\$5,450	\$9,181	\$12,366	53,193	\$3,185
Office Supplies	\$2,220	\$3,898	\$3,985	\$4,039	23,087	\$54
Miscellaneous Expenses	\$5,677	\$4,161	\$10,190	\$8,791	59,036	(\$1,399)
Other Operating Costs	\$20,944	\$31,363	\$37,595	\$57,210	217,815	\$19,615
Overhead (G.A.)	\$36,854	\$34,843	\$66,156	\$63,960	\$383,283	(\$2,196)
Subtotal Year 11	\$309,614	\$322,752	\$555,779	\$575,690	\$3,219,990	\$19,911
Fixed Fee Year 11	\$22,292	\$23,238	\$40,016	\$41,450	\$231,839	\$1,434
Carryover Year 10						\$16,723
Total	\$331,907	\$345,990	\$595,795	\$617,139	\$3,451,829	\$38,067

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 149 preventative, corrective, and inspection workorders in June

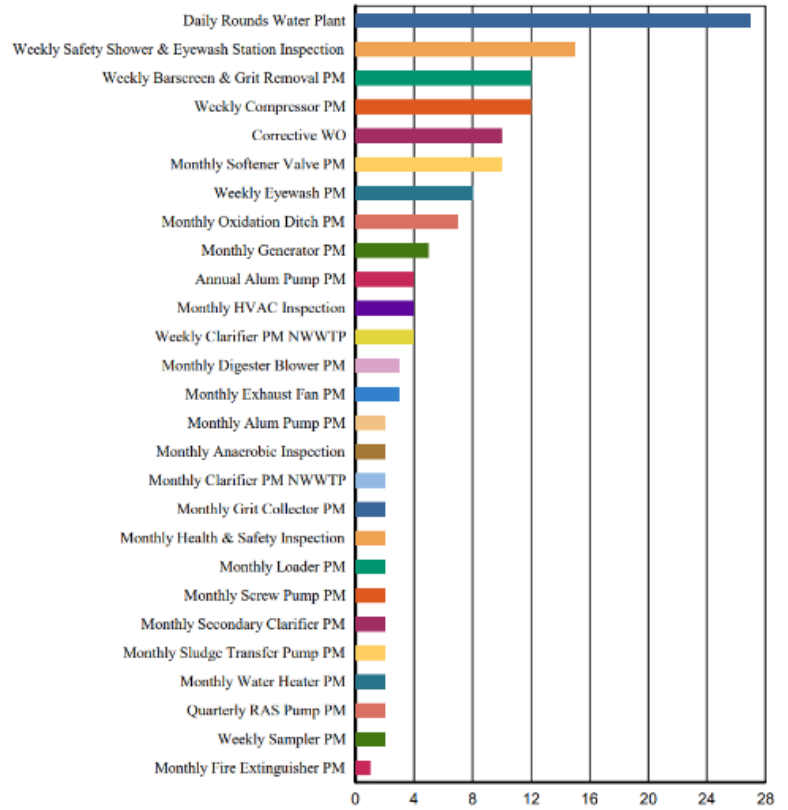


Maintenance History Report Monmouth

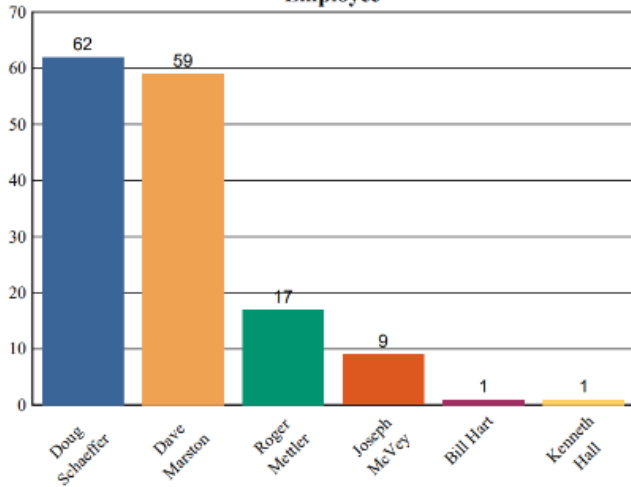
Report Start 6/1/2023
Report End 6/30/2023

Work Orders by Type	Total
Corrective Maintenance	53
Inspections	16
Preventative Maintenance	80
Total	149

Work Orders by Description



Work Orders by Employee





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