



MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of
Public Works

July 2022



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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 bio retention basin project at Monmouth Roseville parking lot is well underway. The west basin along South B Street is completed and the 2 basins along South A are excavated.

The new SCADA system is nearly ready for implementation. The South Water Plant was moved over to the new system at the end of August. During start up a number of items required additional programming and will work through those issues before switching over the North Water Plant.

We are still awaiting approval of this year's street maintenance program from IDOT. This delay will jeopardize the program completion in 2022, construction will most likely carry over into 2023. The good news is that with the delay we should be able to add a few more streets to the list as our revenues will increase the availability of additional MFT dollars if the work stretches into spring of 2023.

Please contact me at 309-734-4026 with any questions.

Regards, Andy

1. HEALTH & SAFETY

There were no safety incidents or near misses in July. With the COVID 19 pandemic affected everyone, our staff is updated regularly on any new policy change, preventative measures, and PPE. All staff members are practicing social distancing while at work to help prevent the spread of the virus.



2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 107 million gallons of treated wastewater in the month of July . There was one combined sewer overflow event in July . The weather station at the plant reported 2.9” 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)	3.4	4.62
Ammonia N mg/l	0.1	1.5
CBOD5 mg/l	1	10
Total Phos	0.8	1
Chloride's mg/l	359	500
Suspended Solids mg/l	7	12

3. WATER TREATMENT

The water treatment plants produced 92 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	3.0 MG	92 MG
Poly Phosphate Usage-lbs.	117 lbs.	2,970 lbs.
Salt Usage — tons	4.75 T	142 tons
Chlorine Usage - lbs.	119	3,578 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 2022-2023 FISCAL YEAR										
MONTH	WATER	SEWER	INFRASTRUCTURE	RECYCLE	GARBAGE	YARD WASTE	FARM BONDS	FARM SURCHARGE	OTHER	PENALTY
MAY '22	\$238,138.83	\$182,768.79	\$20,903.44	\$16,627.00	\$37,535.70	\$2,947.42	\$73,395.48	\$0.00	\$0.00	\$1,276.70
JUNE	\$252,784.63	\$194,196.43	\$20,831.30	\$16,275.74	\$37,909.78	\$2,754.18	\$73,712.48	\$0.00	\$50.00	\$1,717.98
JULY	\$258,021.50	\$202,500.53	\$20,167.27	\$15,865.46	\$36,806.86	\$2,707.88	\$73,712.48	\$0.00	\$100.00	\$2,031.32
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	\$748,944.96	\$579,465.75	\$61,902.01	\$48,768.20	\$112,252.34	\$8,409.48	\$220,820.44	\$0.00	\$150.00	\$5,026.00
TOTAL REVENUE	\$1,785,739.18									

5. ANNUAL BUDGET – YEAR 10

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)	\$120,644	\$107,299	\$391,019	\$376,374	\$1,568,372	(\$14,645)
Utilities	\$3,036	\$2,447	\$9,841	\$6,200	\$39,471	(\$3,641)
Chemicals Costs	\$23,628	\$32,017	\$76,579	\$89,991	\$307,158	\$13,412
Maintenance\Repair	\$28,734	\$34,783	\$93,129	\$85,434	\$373,541	(\$7,695)
Sludge Disposal Costs	\$549	\$0	\$1,780	\$0	\$7,140	(\$1,780)
Lab Supplies\Equip	\$3,099	\$2,599	\$10,045	\$13,451	\$40,290	\$3,406
Office Supplies	\$1,695	\$1,854	\$5,493	\$5,556	\$22,031	\$63
Miscellaneous Expenses	\$3,742	\$4,829	\$12,129	\$14,951	\$48,648	\$2,822
Other Operating Costs	\$14,478	\$22,362	\$46,923	\$51,538	\$188,209	\$4,615
Overhead (G.A.)	\$27,242	\$24,229	\$88,295	\$84,988	\$354,149	(\$3,307)
Subtotal Year 9	\$226,847	\$232,419	\$735,232	\$728,483	\$2,949,009	(\$6,750)
Fixed Fee Year 9	\$16,333	\$16,734	\$52,937	\$52,451	\$212,329	(\$486)
Total	\$243,180	\$249,153	\$788,169	\$780,934	\$3,161,338	(\$7,236)

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 95 preventative and corrective workorders in July

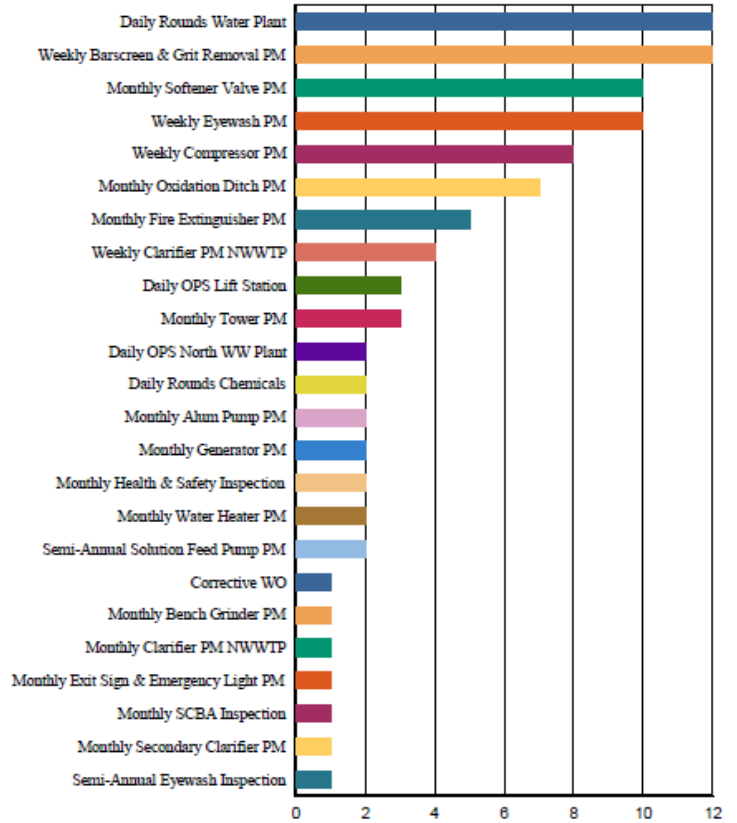


Maintenance History Report Monmouth

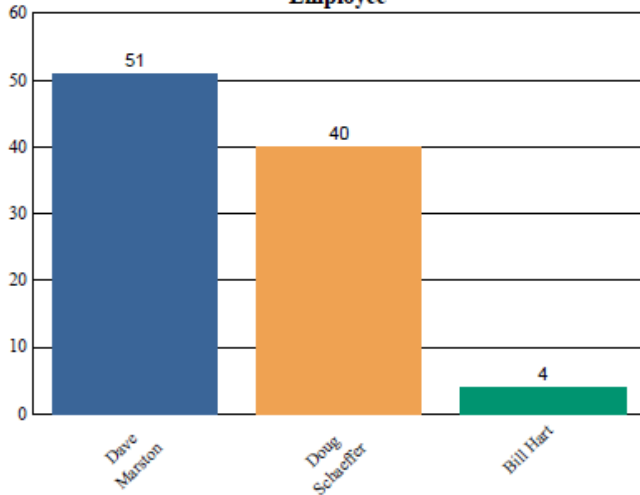
Report Start 7/1/2022
Report End 7/31/2022

Work Orders by Type	Total
Corrective Maintenance	20
Inspections	21
Preventative Maintenance	54
Total	95

Work Orders by Description



Work Orders by Employee





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