



MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of
Public Works

August 2022



woodardcurran.com



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EXECUTIVE SUMMARY

The August 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 nearly completed. Remaining items include installing the barriers around the basins on the east side of the lot, re-striping the disturbed parking spaces, and general cleanup.

Well 9 motor failed and had to be pulled and replaced. The contractor completed the work and the well was put back into service the last week of September.

A bid opening for our 2022 MFT street program was held on September 28th with the hope to approve the low responsible qualified bidder at the October 3rd City Council meeting.

The Dairy Parking Lot development project is under construction. The contractor has completed the grading and is preparing to pour the perimeter curb and install the retention swale and underdrain system prior to asphaltting the lot.

The Woodard Curran funding team is working to secure funding from the Illinois Revolving Loan Program for lead service line replacement. The ruling allows communities of our size to replace approximately 6 percent of the lines per year for 15 years. The replacement of the line will be from the water main to the first shut off valve in the building according to the law.

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

Regards, Andy

1. HEALTH & SAFETY

There were no safety incidents or near misses in August. 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 101 million gallons of treated wastewater in the month of August . There was one combined sewer overflow event in August . The weather station at the plant reported 3.6" 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)	3.3	4.62
Ammonia N mg/l	0.1	1.5
CBOD5 mg/l	1	10
Total Phos	0.8	1
Chloride's mg/l	382	500
Suspended Solids mg/l	10	12

3. WATER TREATMENT

The water treatment plants produced 96 million gallons of finished water in August. 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	96 MG
Poly Phosphate Usage-lbs.	100lbs.	2,993 lbs.
Salt Usage — tons	4.8 T	146 tons
Chlorine Usage - lbs.	119	3,570 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	\$274,851.26	\$205,046.08	\$21,898.91	\$17,425.06	\$39,956.16	\$2,859.64	\$73,712.48	\$322.89	\$50.00	\$2,751.97
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	\$1,023,796.22	\$784,511.83	\$83,800.92	\$66,193.26	\$152,208.50	\$11,269.12	\$294,532.92	\$322.89	\$200.00	\$7,777.97
TOTAL REVENUE	\$2,424,613.63									

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	\$111,445	\$511,332	\$487,819	\$1,568,372	(\$23,513)
Utilities	\$3,036	\$4,566	\$12,869	\$10,766	\$39,471	(\$2,103)
Chemicals Costs	\$23,628	\$41,178	\$100,142	\$131,169	\$307,158	\$31,027
Maintenance\Repair	\$28,734	\$54,659	\$121,785	\$140,093	\$373,541	\$18,308
Sludge Disposal Costs	\$549	\$0	\$2,328	\$0	\$7,140	(\$2,328)
Lab Supplies\Equip	\$3,099	\$4,198	\$13,136	\$17,649	\$40,290	\$4,513
Office Supplies	\$1,695	\$3,957	\$7,183	\$9,513	\$22,031	\$2,330
Miscellaneous Expenses	\$3,742	\$6,468	\$15,861	\$21,419	\$48,648	\$5,558
Other Operating Costs	\$14,478	\$51,423	\$61,361	\$102,961	\$188,209	\$41,600
Overhead (G.A.)	\$27,242	\$25,165	\$115,462	\$110,153	\$354,149	(\$5,309)
Subtotal Year 9	\$226,847	\$303,059	\$961,458	\$1,031,542	\$2,949,009	\$70,084
Fixed Fee Year 9	\$16,333	\$21,820	\$69,225	\$74,271	\$212,329	\$5,046
Total	\$243,180	\$324,879	\$1,030,683	\$1,105,813	\$3,161,338	\$75,130

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 254 preventative and corrective workorders in August

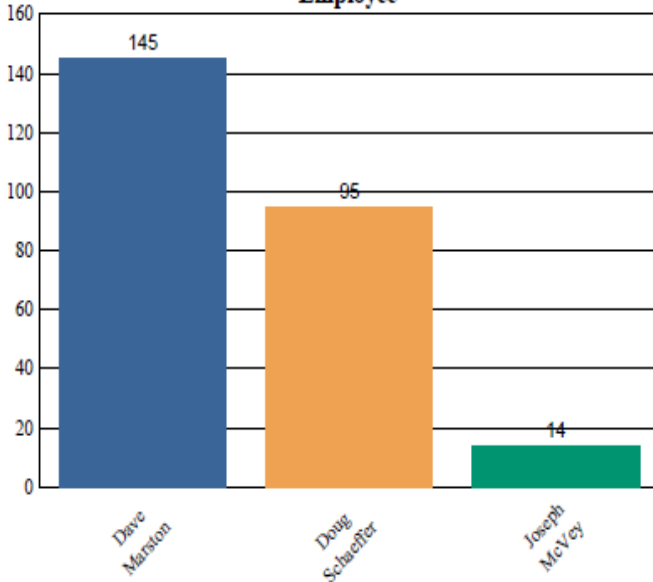


Maintenance History Report Monmouth

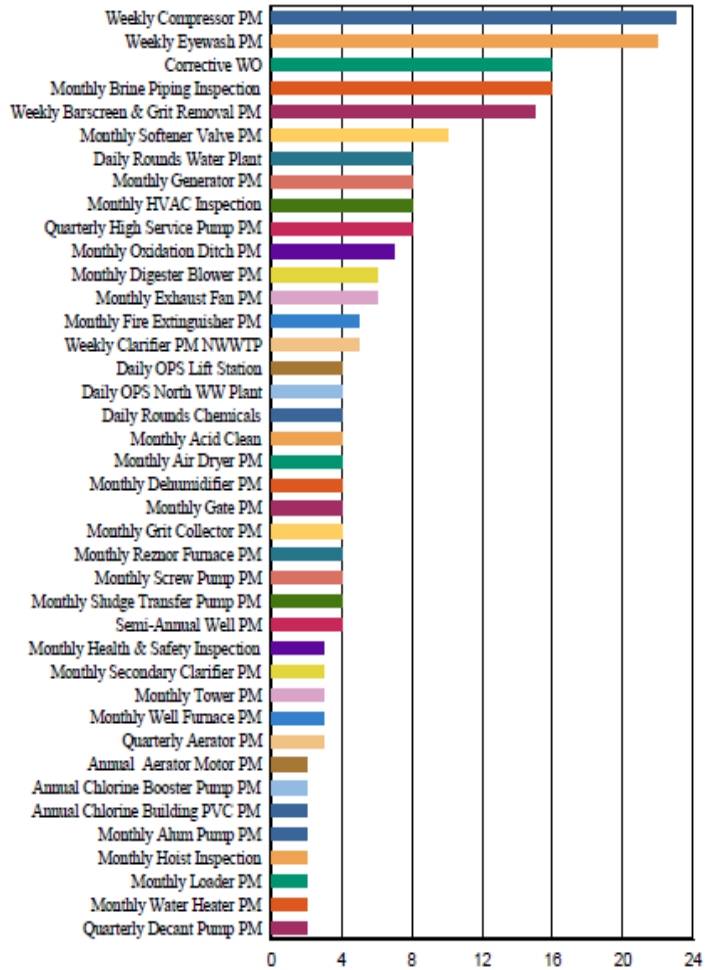
Report Start 8/1/2022
Report End 8/31/2022

Work Orders by Type	Total
Administrative	1
Corrective Maintenance	35
Inspections	59
Preventative Maintenance	159
Total	254

Work Orders by Employee



Work Orders by Description





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