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COMMITMENT & INTEGRITY DRIVE RESULTS

Monthly Operating REPORT

Monmouth, Illinois

Department of
Public Works

August 2021



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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 County Highway Department has completed seal coating the 600 block of North D Street where the new sewer was installed earlier this summer.

Advanced Plumbing finished the repair/replacement of the water main in the 1000 block of South 2nd Street. We are arranging for a paving contractor to pave the street now that the water main has been replaced in that block.

Invitation for Bids for curbside garbage collection were sent out in September and also published in the Register-Mail. The current collection contract expires April 30, 2022, and with the long lead time for procurement of equipment it is necessary to go to bid early to give the successful vendor ample time for logistical arrangements. A pre-bid conference was held at City Hall for interested bidders for the curbside garbage collection. Representatives from Waste Management, Millennium Waste, Republic Services, and Lakeshore Recycling were in attendance. Bids are due to the City by October 26th at 3p.m.

I have attached the plan sheet for the GIGO grant project in this report for anyone interesting in looking at it. Plans were submitted to IEPA grants office for their review and approval.

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

Regards, Andy

1. HEALTH AND SAFETY/STAFF

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 98 million gallons of treated wastewater in the month of August . There were 4 combined sewer overflow events in August . The weather station at the plant reported 2.42” 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)	3.2	4.62
Ammonia N mg/l	0.1	1.5
CBOD5 mg/l	3	10
Total Phos	0.7	1
Chlorides mg/l	376	500
Suspended Solids mg/l	12	12

3. WATER TREATMENT

The water treatment plants produced 88 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	2.9 MG	88 MG
Poly Phosphate Usage-lbs.	107 lbs.	3,200 lbs.
Salt Usage = tons	4.3	130 tons
Chlorine Usage - lbs.	108	3,244 lbs.



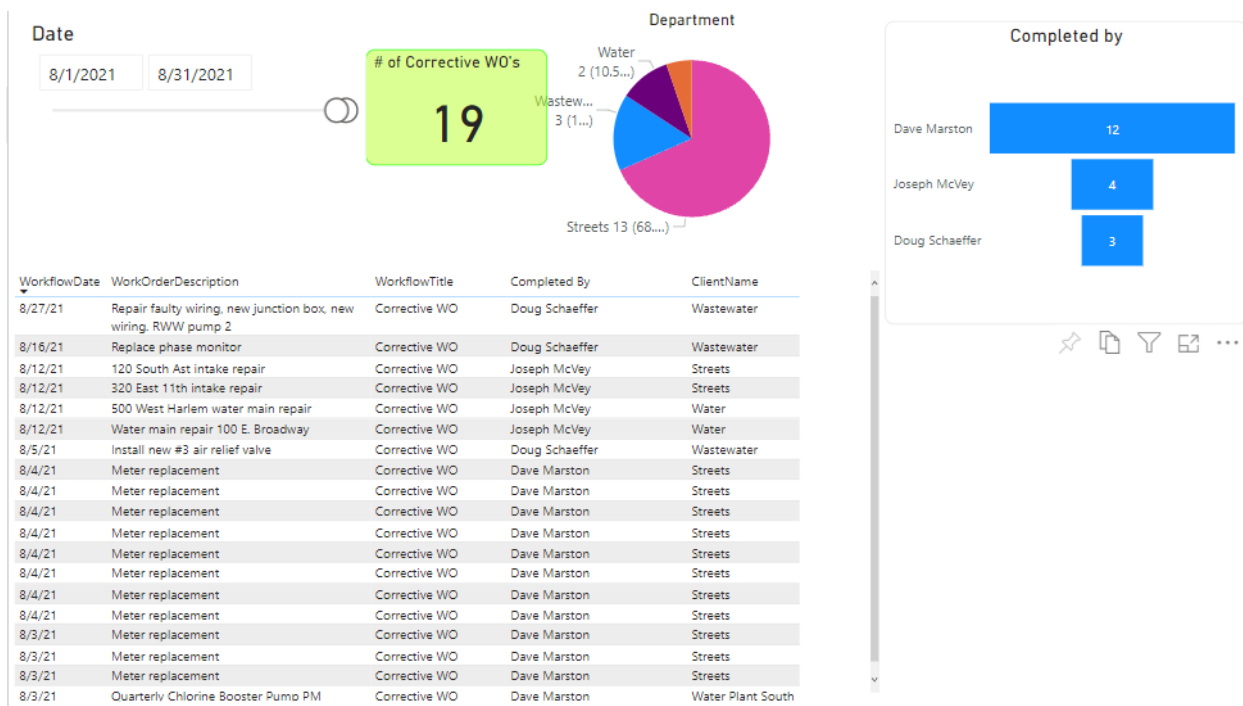
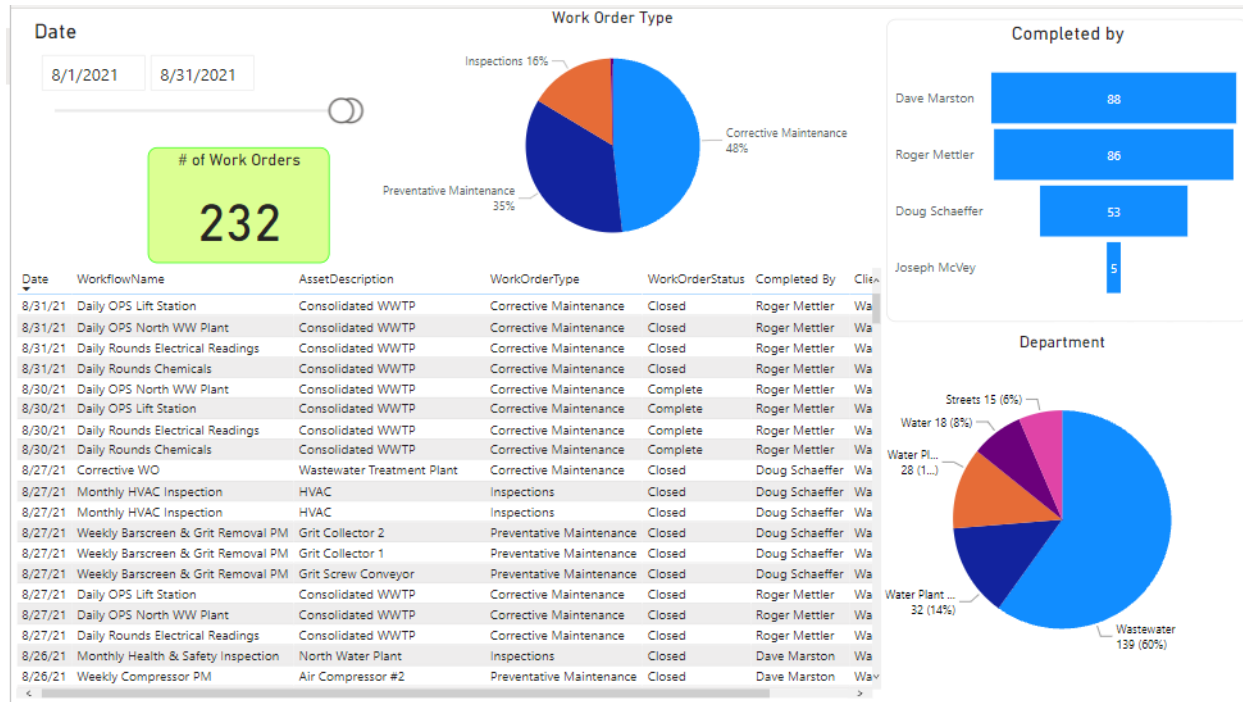
5. TOTAL ANNUAL COST

Table 5-1: Annual Budget – Year 9

Budget Category	Month Budget	Month Actual	YTD Budget	YTD Actual	Annual Budget	over(under)
Labor (D.L. + FB)	\$117,555	\$117,495	\$468,933	\$474,680	\$1,528,218	\$5,747
Utilities	\$3,017	\$567	\$12,035	\$7,935	\$39,222	(\$4,100)
Chemicals Costs	\$24,213	\$25,808	\$96,585	\$79,840	\$314,763	(\$16,745)
Maintenance\Repair	\$28,094	\$24,576	\$112,068	\$106,395	\$365,220	(\$5,673)
Sludge Disposal Costs	\$0	\$0	\$0	\$7,500	\$0	\$7,500
Lab Supplies\Equip	\$3,298	\$2,786	\$13,155	\$12,469	\$42,871	(\$686)
Office Supplies	\$1,425	\$1,402	\$5,685	\$8,506	\$18,526	\$2,821
Miscellaneous Expenses	\$3,742	\$4,405	\$14,928	\$16,200	\$48,648	\$1,272
Other Operating Costs	\$10,861	\$12,804	\$43,327	\$77,937	\$141,199	\$34,610
Overhead (G.A.)	\$26,545	\$26,531	\$105,888	\$107,186	\$345,081	\$1,298
Subtotal Year 8	\$218,750	\$216,374	\$872,602	\$898,648	\$2,843,748	\$26,045
Fixed Fee Year 8	\$15,750	\$15,579	\$62,827	\$64,703	\$204,750	\$1,875
Total	\$234,500	\$231,953	\$935,430	\$963,350	\$3,048,498	\$27,921

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 232 preventative and 19 corrective workorders in August.



Monmouth Roseville High School parking lot bio-retention basin design

