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COMMITMENT & INTEGRITY DRIVE RESULTS

Monthly Operating REPORT

Monmouth, Illinois

Department of
Public Works

August 2020



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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 next Community Shred Day is scheduled for Saturday October 24th at the Transfer Station from 9am until Noon, co-sponsored by Spears & Spears and Woodard & Curran. Check the City website and City Facebook page for details.

Fall Cleanup week will occur the week of October 5th through 9th.

The East Euclid water main replacement is completed and operational. The MFT road replacement paving and sidewalk project is set to get underway by the end of September.

CSO Phase 2 lagoon dewatering and disinfection system upgrade is operational and near completion. A small number of punch list items remain to close that project out.

The North WWTP construction is fully underway. The new sludge pumping station is installed, the west aeration basin has been taken out of service and new piping, diffusers, and side slope improvements are in progress. The anaerobic lagoon cover has been removed along with the old wooden baffle wall. A new baffle curtain will be installed in its place along with new gas collection piping and a new cover. The contractor is looking to complete those 3 major items before winter.

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. Gary Ward retired August 28th after 44 years of service to the City. 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 91 million gallons of treated wastewater in the month of August. There were no combined sewer overflow events in August. The weather station at the plant reported 1” 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)	2.95	4.62
Ammonia N mg/l	0.2	1.5
CBOD5 mg/l	1	10
Total Phos	1.0	1
Chlorides mg/l	411	500
Suspended Solids mg/l	11	12

3. WATER TREATMENT

The water treatment plants produced 94 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	3.03 MG	94 MG
Poly Phosphate Usage-lbs.	109 lbs.	3,373 lbs.
Salt Usage — tons	4.7	145 tons
Chlorine Usage - lbs.	121	3,759 lbs.

5. TOTAL ANNUAL COST

Table 5-1: Annual Budget – Year 8

Budget Category	Month Budget	Month Actual	YTD Budget	YTD Actual	Annual Budget	over(under)
Labor (D.L. + FB)	\$111,930	\$112,885	\$449,250	\$459,750	\$1,455,092	\$10,500
Utilities	\$3,004	\$1,518	\$12,059	\$8,396	\$39,058	(\$3,663)
Chemicals Costs	\$23,894	\$21,985	\$95,902	\$96,830	\$310,622	\$928
Maintenance\Repair	\$28,094	\$23,729	\$112,759	\$72,711	\$365,219	(\$40,048)
Sludge Disposal Costs	\$0	\$0	\$0	\$0	\$0	\$0
Lab Supplies\Equip	\$3,254	\$212	\$13,062	\$9,604	\$42,307	(\$3,458)
Office Supplies	\$1,411	\$2,205	\$5,664	\$7,875	\$18,344	\$2,211
Miscellaneous Expenses	\$3,742	\$4,236	\$15,020	\$14,777	\$48,648	(\$243)
Other Operating Costs	\$8,816	\$24,486	\$35,383	\$71,006	\$114,604	\$35,623
Overhead (G.A.)	\$25,275	\$25,490	\$101,443	\$103,815	\$328,569	\$2,371
Subtotal Year 8	\$209,420	\$216,746	\$840,542	\$844,764	\$2,722,463	\$4,222
Fixed Fee Year 8	\$15,078	\$15,606	\$60,519	\$60,823	\$196,017	\$304
Total	\$224,498	\$232,352	\$901,061	\$905,587	\$2,918,480	\$4,526

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, staff completed 275 preventative and corrective workorders in August. Below is a summary of the months' corrective activities:

Corrective workorders are listed below

WorkOrder	AssetDescription	AssetID	AssignedTo	StartDate	DateDue	WorkFlow	WorkOrderDescription	WorkOrder	WorkOrder	WorkOrder	DateCreate
270824434	South 6-in lines	MON-WTR-PIPE-2543				Corrective	Water main repair 100 south 8th	Normal	Complete	Corrective	8/5/2020 9
270825683	Well	Well 4				Corrective	Starter replacement	Normal	Complete	Corrective	8/6/2020 7
270827598	CUST-9440000	MON-CUST-9440000-749				Corrective	5/8 radio read meter.	Normal	Complete	Corrective	8/7/2020 9
270827605	Road W 11th Ave	1106092815214-892				Corrective	2" radio read Love's	Normal	Complete	Corrective	8/7/2020 9
270827606	Fire Hydrant	MON-FH11				Corrective	69 Public Square 3/4 radio read.	Normal	Complete	Corrective	8/7/2020 9
270853057	CUST-25160000	MON-CURB-25160000-2241				Corrective	420 north A street curb stop repair	Normal	Complete	Corrective	8/21/2020
270862109	CUST-10530000	MON-CURB-10530000-866				Corrective	511 south 8th curb stop repair	Normal	Complete	Corrective	8/26/2020
270862124	CUST-10790010	MON-CURB-10790010-888				Corrective	1119 south 8th curb stop repair	Normal	Complete	Corrective	8/26/2020
270862139	CUST-28550000	MON-CURB-28550000-2553				Corrective	415 north E curb stop repair	Normal	Complete	Corrective	8/26/2020
270862141	Ford F350 '06	T18				Corrective	Bad battery	Normal	Complete	Corrective	8/26/2020
270865139	SCREW PUMP #2	6008	dschaeffer			Corrective	Repair screw pump VFD	Normal	Closed	Corrective	8/28/2020