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COMMITMENT & INTEGRITY DRIVE RESULTS

Monthly Operating REPORT

Monmouth, Illinois

Department of
Public Works

July 2020



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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 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.

Even with the challenges presented by the COVID-19 pandemic, the City is on the precipice of completing 3 priority capital projects from the Capital Plan that was presented last March so far this year, and a fourth is under construction.

The East Euclid water main replacement is completed and operational. The only remaining items to wrap it up are boulevard repairs and seeding, which will take place in September, along with final cleanup. The MFT road replacement paving schedule has yet to be submitted as the contractor is awaiting the contracts from IDOT, once those are approved I will get a schedule of when that will be starting.

West 11th Avenue Utility Extension project is completed and operational except for the control panel for the sewer lift station. Currently, a temporary pump is in place to allow sewer service for the new Love's Travel Stop.

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 Downtown Sewer preliminary engineering report is being finalized and Jennifer Anders will make a presentation of the report to the City Council in the near future as the City seeks a USDA forgivable loan to fund this much needed project.

On behalf of the City, and with the full support of the Monmouth Roseville School District, Woodard & Curran submitted an application to the Illinois EPA for a Green Infrastructure Grant Opportunity (GIGO) for the development of runoff control rain gardens within the school district parking lot located on South A Street and West 1st Avenue. Superintendent Fletcher and the School Board gave the City a written letter of support for the project grant application, it is attached at the back of this report.

The North WWTP construction will be in full vigor starting after Labor Day as submittal approvals are completed and equipment will begin to be delivered starting the week of September 14th.

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 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 109 million gallons of treated wastewater in the month of July. There were 4 combined sewer overflow events in July. The weather station at the plant reported 5.5” 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)	3.52	4.62
Ammonia N mg/l	0.2	1.5
CBOD5 mg/l	1	10
Total Phos	0.6	1
Chlorides mg/l	344	500
Suspended Solids mg/l	6	12

3. WATER TREATMENT

The water treatment plants produced 95 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	3.05 MG	95 MG
Poly Phosphate Usage-lbs.	106 lbs.	3,273 lbs.
Salt Usage — tons	5.1	157 tons
Chlorine Usage - lbs.	124	3,831 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	\$107,252	\$337,931	\$346,865	\$1,455,092	\$8,934
Utilities	\$3,004	\$2,454	\$9,071	\$6,878	\$39,058	(\$2,193)
Chemicals Costs	\$23,894	\$24,955	\$72,139	\$74,845	\$310,622	\$2,706
Maintenance\Repair	\$28,094	\$11,857	\$84,819	\$48,982	\$365,219	(\$35,837)
Sludge Disposal Costs	\$0	\$0	\$0	\$0	\$0	\$0
Lab Supplies\Equip	\$3,254	\$4,401	\$9,825	\$9,392	\$42,307	(\$433)
Office Supplies	\$1,411	\$981	\$4,260	\$5,670	\$18,344	\$1,410
Miscellaneous Expenses	\$3,742	\$4,310	\$11,298	\$10,541	\$48,648	(\$757)
Other Operating Costs	\$8,816	\$13,107	\$26,616	\$46,520	\$114,604	\$19,904
Overhead (G.A.)	\$25,275	\$24,218	\$76,307	\$78,324	\$328,569	\$2,017
Subtotal Year 7	\$209,420	\$193,536	\$632,266	\$628,018	\$2,722,463	(\$4,248)
Fixed Fee Year 7	\$15,078	\$13,935	\$45,523	\$45,217	\$196,017	(\$306)
Total	\$224,498	\$207,470	\$677,789	\$673,235	\$2,918,480	(\$4,554)

6. MAINTENANCE ACTIVITIES

Utilizing the Utility Cloud maintenance management program, below is a summary of the months' corrective activities:

Corrective workorders are listed below

WorkOrderID	AssetDescription	AssetID	StartDate	DateDue	WorkFlowTitle	WorkOrderDescription	WorkOrder	WorkOrder	DateCreate
270758583	GEM	340-GEM Building			Corrective WO	Replace 3 fuses	Closed	Corrective	7/6/2020 2
270758588	GEM	340-GEM Building			Corrective WO	Install new PLC card	Closed	Corrective	7/6/2020 2
270764712	CUST-21390000	MON-CURB-21390000-1888			Corrective WO	201 south E curb stop repair	Complete	Corrective	7/8/2020 1
270764714	NE 4-in lines	MON-WTR-PIPE-2142			Corrective WO	Water main repair	Complete	Corrective	7/8/2020 1
270767248	GEM	340-GEM Building			Corrective WO	Replace sodium aluminate pump diaphragm, refill oil, flush	Closed	Corrective	7/10/2020
270770696	CUST-11720000	MON-CURB-11720000-967			Corrective WO	Curb stop repair	Complete	Corrective	7/13/2020
270770702	CUST-26990000	MON-CURB-26990000-2409			Corrective WO	Curb stop repair	Complete	Corrective	7/13/2020
270782339	South 6-in lines	MON-WTR-PIPE-2594			Corrective WO	1117 east 7th ave water main repair	Complete	Corrective	7/20/2020
270782921	GEM	340-GEM Building			Corrective WO	Breakers replaced at flare	Closed	Corrective	7/20/2020
270794673	CUST-3430000	MON-CURB-3430000-270			Corrective WO	1110 south 3rd curb stop repair	Complete	Corrective	7/22/2020

7. Letter of Support from MR School District for the GIGO grant application



MONMOUTH-ROSEVILLE COMMUNITY
UNIT SCHOOL DISTRICT #238

"Empowering students to take the next step"

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August 12, 2020

Mr. Andrew Jackson, Woodard & Curran
Director Public Works
100 East Broadway
Monmouth, IL 61462

Re: Green Infrastructure Storm Water Reduction Project

Dear Mr. Jackson,

Thank you for providing answers to District questions about the proposed Bioretention basins at Monmouth-Roseville Sr. High School. The information you provided was helpful to the Board of Education at their regular August 11, 2020 Board meeting. The Board thoroughly discussed the project and the need to reduce the City's storm water runoff.

The Board of Education supports the project and, if funds are received, supports the use of the High School east side parking lot area for the development of a green infrastructure storm water reduction project.

The District anticipates a cooperative relationship with the City on this project. This will be a unique opportunity to involve District staff and students in new education programs so vital to the future of our community and School District.

Please let me know if we can provide additional documentation that would help support this project.

Sincerely,



Edward D. Fletcher