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COMMITMENT & INTEGRITY DRIVE RESULTS

Monthly Operating REPORT

Monmouth, Illinois

Department of
Public Works

October 2021



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EXECUTIVE SUMMARY

The October 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.

Replacement of the water main in the 300 block of North 5th is completed and house services connected.

The large city sewer servicing the commercial area north of Highway 34 and east of Highway 67 that runs southeast from the Standard of Beaverdale building down to just east of the Catholic cemetery has been replaced. The final 1,000 feet of installation between the highway and Monmouth Manor was completed just before Thanksgiving by Laverdiere Construction.

Leaf pickup continues and so far has progressed fairly well with the decent weather we've been having.

The new snowplow dump truck, (2021 F450 4x4 one-ton), was delivered in late October. Council had approved this additional leased vehicle from Enterprise in September of 2020 and fortunately, it has arrived before this winter season.

Design of the mandated disinfection system was delivered to IEPA for review and permitting to comply with the schedule set forth in the IEPA discharge permit. The loan ordinance that is on the agenda for approval is part of the State Revolving Loan application that provides the funding for this project.

Unfortunately, the City's grant application for a Federal RAISE grant in the amount of \$1.7 million dollars to assist in the funding of West Harlem Road Reconstruction was not selected for award. We felt we had a very strong application that focused on all of the national high priority issues including pedestrian safety, improved safe access to recreational areas and medical facilities, drainage, and median household income that is below poverty. Moving forward we will have to evaluate the Capital Improvement Plan priorities and determine other funding options.

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 October . 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 161 million gallons of treated wastewater in the month of October . There were 3 combined sewer overflow events in October . The weather station at the plant reported 7.5” 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)	4.75	4.62
Ammonia N mg/l	0.1	1.5
CBOD5 mg/l	2	10
Total Phos	0.6	1
Chlorides mg/l	291	500
Suspended Solids mg/l	8	12

3. WATER TREATMENT

The water treatment plants produced 88 million gallons of finished water in October . 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.	113 lbs.	3,396 lbs.
Salt Usage = tons	4.5	136 tons
Chlorine Usage - lbs.	113	3,381 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	\$115,990	\$732,707	\$730,596	\$1,528,218	(\$2,112)
Utilities	\$3,017	\$4,761	\$18,805	\$14,855	\$39,222	(\$3,950)
Chemicals Costs	\$24,213	\$33,663	\$150,914	\$135,831	\$314,763	(\$15,083)
Maintenance\Repair	\$28,094	\$19,411	\$175,105	\$172,335	\$365,220	(\$2,770)
Sludge Disposal Costs	\$0	\$0	\$0	\$7,500	\$0	\$7,500
Lab Supplies\Equip	\$3,298	\$5,301	\$20,555	\$22,711	\$42,871	\$2,156
Office Supplies	\$1,425	\$2,345	\$8,882	\$12,148	\$18,526	\$3,266
Miscellaneous Expenses	\$3,742	\$4,575	\$23,324	\$26,427	\$48,648	\$3,103
Other Operating Costs	\$10,861	\$16,133	\$67,698	\$124,615	\$141,199	\$56,917
Overhead (G.A.)	\$26,545	\$26,191	\$165,450	\$164,973	\$345,081	(\$477)
Subtotal Year 8	\$218,750	\$228,370	\$1,363,441	\$1,411,991	\$2,843,748	\$48,550
Fixed Fee Year 8	\$15,750	\$16,443	\$98,168	\$101,663	\$204,750	\$3,496
Total	\$234,500	\$244,812	\$1,461,609	\$1,513,654	\$3,048,498	\$52,045

