



# MONTHLY OPERATION REPORT

Monmouth, Illinois

Department of  
Public Works

April 2022



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## EXECUTIVE SUMMARY

The April 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.

Public Works Director update – Andy continues to be out following surgery, he is doing well and hopes to return for short time periods in June and July during further treatment. W&C will continue to provide needed coverage in Andy's absence from within our operation and engineering teams.

W&C's wastewater staff is working with Fife Chemical to explore other option for chemical treatment at the wastewater treatment plant to reduce issues with supply chain and hopefully provide cost reductions. These efforts continue in the trial stage and currently all things look positive with these tests.

The city went through the transition of trash disposal companies, the transition went fairly smooth with some residents not getting new totes or old totes picked up. Some missed their pickup dates because of the change to 4-day pickups. Calls for trash pickup issues have reduced dramatically indicating that the services are improving.

The Fire Department plans to do the Hydrant Flushing program in Mid-May and into early June weather permitting and will be coordinating with Public Works and Smithfield.

IMEG is planning to have the road program plan prepared for presentation at the June 20<sup>th</sup> meeting, with documents to IDOT immediately following, with bidding occurring in July and work beginning if all goes as scheduled by August 15<sup>th</sup>.

With April being the end of another contract year of W&C operating the Public Works department we will be soon providing an annual report summarizing the work performed under the agreement.

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

Sincere Regards,

Greg Frieden

## 1. HEALTH & SAFETY

There were no safety incidents or near misses in April. 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.

Safety training provided for all employees in April included Fire Prevention Safety.



## 2. WASTEWATER TREATMENT

The Consolidated WWTP treated and discharged 180 million gallons of treated wastewater in the month of April. There were 3 combined sewer overflow events in April. 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**

	<b>Monthly Average</b>	<b>Permit Limit</b>
Flow (MGD)	5.8	4.62
Ammonia N mg/l	0.1	1.5
CBOD5 mg/l	2	10
Total Phosphorus	0.8	1
Chloride's mg/l	258	500
Suspended Solids mg/l	10	12

### 3. WATER TREATMENT

The water treatment plants produced 96 million gallons of finished water in April. 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**

	<b>Daily Average</b>	<b>Monthly Total</b>
Treated Water to System	3.2 MG	96 MG
Poly Phosphate Usage-lbs.	112 lbs.	3,358 lbs.
Salt Usage – tons	4.7	142 tons
Chlorine Usage - lbs.	123	3,664 lbs.

## 4. REVENUE COLLECTION

The table below outlines the revenue collected from the Municipal Services billings for the fiscal year ending April 30, 2022.

**Table 4-1: FY to Date**

Payment Totals 2021-2022 Fiscal Year										
Month	Water	Sewer	Infrastructure Landfill	Recycle	Garbage	Yard Waste	Farm Bonds	Farm Surcharge	Other	Penalty
May 21	\$235,751	\$187,538	\$19,933	\$15,157	\$35,535	\$2,671	\$73,395	\$0	\$15	\$1,084
Jun 21	\$233,547	\$191,156	\$21,934	\$16,761	\$39,275	\$2,769	\$73,395	\$0	\$56	\$1,149
Jul 21	\$262,223	\$208,563	\$20,756	\$15,903	\$37,972	\$2,716	\$73,395	\$357	\$60	\$1,549
Aug 21	\$256,089	\$203,758	\$21,511	\$16,441	\$38,369	\$2,945	\$73,395	\$0	\$120	\$1,571
Sep 21	\$263,694	\$210,835	\$20,621	\$15,718	\$36,634	\$2,670	\$73,395	\$0	\$67	\$1,756
Oct 21	\$275,230	\$216,101	\$20,301	\$15,522	\$36,816	\$2,662	\$73,395	\$606	\$257	\$2,305
Nov 21	\$251,499	\$194,874	\$20,599	\$15,861	\$37,517	\$2,819	\$73,395	\$89	\$0	\$1,614
Dec 21	\$275,803	\$222,938	\$22,178	\$16,992	\$39,920	\$3,034	\$73,395	\$0	\$257	\$1,469
Jan 22	\$264,518	\$210,930	\$20,948	\$16,451	\$37,295	\$2,829	\$73,395	\$0	\$51	\$3,304
Feb 22	\$222,177	\$178,249	\$18,287	\$14,427	\$32,864	\$2,370	\$73,395	\$307	\$50	\$1,902
Mar 22	\$240,669	\$194,679	\$22,718	\$17,857	\$41,506	\$3,010	\$73,395	\$0	\$45	\$1,736
Apr 22	\$235,269	\$187,219	\$19,177	\$15,135	\$34,366	\$2,484	\$73,395	\$102	\$141	\$2,245
Year to Date	\$3,016,468	\$2,406,841	\$248,961	\$192,227	\$448,069	\$32,978	\$880,746	\$1,460	\$1,119	\$21,683
Total Revenue	\$7,250,552.51									

## 5. ANNUAL BUDGET – YEAR 9

The table below outlines the year nine contract cost summary for the W&C Public Works operation ended April 30, 2022.

**Table 5-1: Annual Budget**

<b>Budget Category</b>	<b>Month Budget</b>	<b>Month Actual</b>	<b>YTD Budget</b>	<b>YTD Actual</b>	<b>Annual Budget</b>	<b>Over (Under)</b>
Labor (D.L. + FB)	\$146,944	\$114,347	\$1,528,218	\$1,510,298	\$1,528,218	(\$17,920)
Utilities	\$3,771	\$4,970	\$39,222	\$46,361	\$39,222	\$7,139
Chemicals Costs	\$30,266	\$12,494	\$314,763	\$296,023	\$314,763	(\$18,740)
Maintenance\Repair	\$35,117	\$22,748	\$365,220	\$328,604	\$365,220	(\$36,616)
Sludge Disposal Costs	\$0	\$0	\$0	\$7,500	\$0	\$7,500
Lab Supplies\Equip	\$4,122	\$5,372	\$42,871	\$42,156	\$42,871	(\$715)
Office Supplies	\$1,781	\$1,666	\$18,526	\$23,084	\$18,526	\$4,558
Miscellaneous Expenses	\$4,678	\$4,978	\$48,648	\$58,617	\$48,648	\$9,969
Other Operating Costs	\$13,577	\$12,541	\$141,199	\$192,187	\$141,199	\$50,988
Overhead (G.A.)	\$33,181	\$25,820	\$345,081	\$341,035	\$345,081	(\$4,046)
Subtotal Year 9	<b>\$273,437</b>	<b>\$204,936</b>	<b>\$2,843,748</b>	<b>\$2,845,865</b>	<b>\$2,843,748</b>	\$2,117
Fixed Fee Year 9	\$19,687	\$14,755	\$204,750	\$204,902	\$204,750	\$152
<b>Total</b>	<b>\$293,125</b>	<b>\$219,691</b>	<b>\$3,050,815</b>	<b>\$3,050,768</b>	<b>\$3,048,498</b>	<b>(\$47)</b>



## 6. MAINTENANCE ACTIVITIES

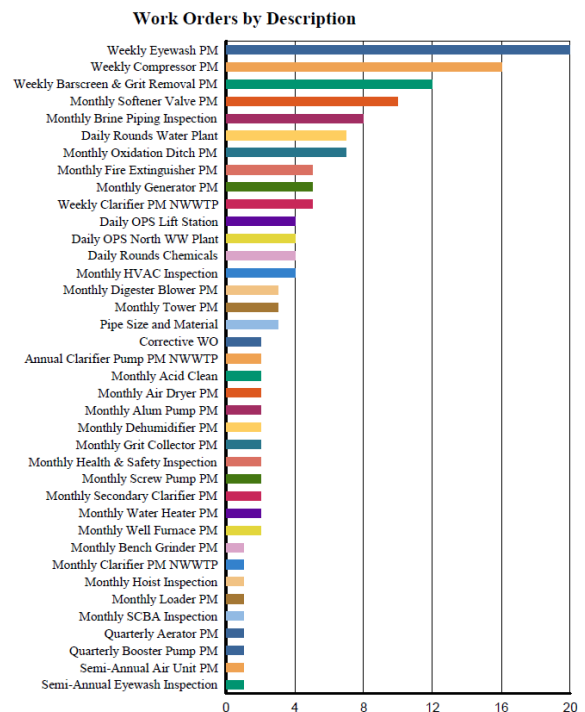
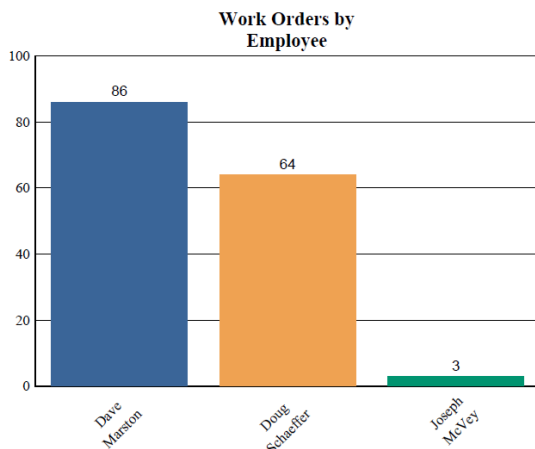
Utilizing the Utility Cloud maintenance management program, staff completed 153 preventative and corrective workorders in April.



### Maintenance History Report Monmouth

Report Start 4/1/2022  
Report End 4/30/2022

Work Orders by Type	Total
Corrective Maintenance	21
Inspections	43
Preventative Maintenance	89
<b>Total</b>	<b>153</b>





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