




Utility Department Monthly Update

MEETING DATE: December 13, 2022

TO: Honorable Mayor and City Councilmembers

FROM: Daniel Saus, Utility Director 

THROUGH: George Garrett, City Manager

SUBJECT: November 2022 Utility Department Update

A. Wastewater Treatment Plants

1. General Issues

- a. Flows were still high but returning to somewhat normal levels after the king tides and hurricane Ian.
- b. The work continues for the Chemical Feed Upgrades project. Supply issues remain and will likely cause delays, but I am keeping my fingers crossed for an on-schedule completion.
- c. We have finally received from FDEP the notification of "Intent to Issue" for the WWTP operating permits for Service Areas 3, 4, & 6. We found several issues on them and are having those issues corrected before we publish the notices in the paper as required.

2. Odor Complaints / Mitigation

- a. We received no odor complaints for the treatment plants in November.

3. Effluent Quality Report/Plant Performance

The October 2022 wastewater facility performance chart is shown below because the January numbers are just being tabulated. The plant permits now require AWT compliance and the operations staff is doing an amazing job as reflected in our effluent quality as shown below. (Effluent results are always a month behind due to sampling, shipping, & lab reporting)

City of Marathon WWTP's Plant Performance Data for:

October 2022

Parameters:			CBOD mg/L		TSS mg/L		TN mg/L		TP mg/L	
WWTP	Permit (MGD)	MADF (MGD)	Monthly Average (6.25)	Annual Average (5.0)	Monthly Average (6.25)	Annual Average (5.0)	Monthly Average (3.75)	Annual Average (3.0)	Monthly Average (1.25)	Annual Average (1.0)
AREA 3	0.250	0.125	<2.0	<2.0	2.20	1.2	2.05	1.97	0.18	0.49
AREA 4	0.400	0.366	2.50	<2.0	2.65	1.2	0.80	1.09	0.17	0.23
AREA 5	0.450	0.384	<2.0	<2.0	<1.0	<1.0	0.59	0.90	0.11	0.20
AREA 6	0.200	0.098	2.10	2.1	2.45	<1.0	1.65	1.36	0.46	0.31
AREA 7	0.200	0.044	4.80	2.6	3.10	1.1	1.15	1.01	0.22	0.23

B. Collection System

1. The month of November had high flows but they are receding from the king tides and hurricane Ian.

2. Vacuum Station Salinities for November:

- a. Vacuum station salinities at the plants were as follows (in parts per thousand): A3: 4.5 SA4: 7.9; SA5: 7.8; SA6: 2.9 and SA7: 4.2. These values show quite high level of infiltration, and we are working on a mitigation plan.

3. Wastewater System Connections

- a. The City's wastewater system parcel connection rate is currently standing at approximately 100%. (Only customers that are in code or do not have a certificate of occupancy are not connected)

4. Code Compliance

- a. There are still currently 5 open code cases in process for failure to connect to the City's central wastewater system, code violations, or expired permits. All of them are residential properties at some point in the foreclosure process.

5. Callouts

Unfortunately, this information was not available in time for this reporting period.

6. Odor Complaints / Mitigation

- b. We received no odor complaints in November for the collection system.

C. Plant Upgrades & Construction Projects

1. Due to the permitting issues for the Area 3 WWTP Upgrade project taking almost 3 years and with COVID delays and inflation, the project costs for this project have increased significantly. I've requested finance to investigate if we can transfer the ACOE grant money from the Area 6 Sludge Processing Facility project to this project. The Area 6 project would then be put on the back burner until more funding is received. We still have not received our notice of intent from FDEP for the Area 3 permit.

2. A CDBG-DR Grant has been received for electrical upgrades, vacuum monitoring system, and flood wall at Area 6 plant. Design is at approx. 90%. We are required to perform a complete environmental assessment which has slowed our progress considerably.
3. The design for the Area 3 WWTP expansion is nearly completed and permitting through FDEP is underway at this time. Unfortunately, we still have not received the "Intent to Issue" from FDEP.
4. We received an RAI for both the Area 6 WWTP permit renewal and the one for Service Area 4 WWTP that were like the one for Area 3. We have now received confirmation from FDEP that our responses to the RAI's were complete and we are awaiting the final outcome from FDEP.

D. Grants Update Summary

1. Due to the permitting issues for the Area 3 WWTP Upgrade project taking almost 3 years and with COVID delays and inflation, the project costs for this project have increased significantly. I've requested finance to investigate if we can transfer the ACOE grant money from the Area 6 Sludge Processing Facility project to this project. The Area 6 project would then be put on the back burner until more funding is received.