




Utility Department Monthly Update

MEETING DATE: September 12, 2023

TO: Honorable Mayor and City Councilmembers

FROM: Daniel Saus, Utility Director 

THROUGH: George Garrett, City Manager

SUBJECT: August 2023 Utility Department Update

A. Wastewater Treatment Plants

1. General Issues

- a. Good progress continues for the Chemical Feed Upgrades project we are finally nearing completion.
- b. We advertised the notification of “Intent to Issue” for the WWTP operating permits for Service Areas 3, 4, & 6 and remitted the proof to FDEP. The issuance of our permits is still on hold. Unfortunately, the status remains the same this month.

2. Odor Complaints / Mitigation

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

3. Effluent Quality Report/Plant Performance

The July 2023 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:**

JULY 2023

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	0.118	<2.0	<2.0	1.0	1.3	0.96	0.98	0.53	0.46
AREA 4	0.400	0.309	<2.0	<2.0	2.30	2.1	1.41	1.20	0.97	0.37
AREA 5	0.450	0.347	<2.0	<2.0	<1.0	<1.0	1.17	0.74	1.16	0.43
AREA 6	0.200	0.098	<2.0	<2.0	<1.0	<1.0	1.63	1.29	0.45	0.38
AREA 7	0.200	0.035	2.35	2.9	<1.0	<1.0	1.90	1.22	0.30	0.18

B. Collection System

1. The month of August had normal flows for this time of year considering the rainfall we received..

2. Vacuum Station Salinities for August:

a. Vacuum station salinities at the plants were as follows (in parts per thousand): SA3: 2.5; SA4: 3.1; SA5: 2.6; SA6: 1.4 and SA7: 2.4. These values show a minimal level of infiltration.

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 Call-Outs

6. Odor Complaints / Mitigation

We received no odor complaints in August for the collection system.

C. Plant Upgrades & Construction Projects (No changes this month)

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 is on the back burner until more funding is received.
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 completed environmental assessment which has not yet been accepted by DEO. We are awaiting approval from DEO before we can move forward with the projects.
3. The design for the Area 3 WWTP expansion is nearly completed and permitting through FDEP is underway at this time. We advertised the notification of "Intent to Issue" for the WWTP operating permits for Service Areas 3, 4, & 6 and remitted the proof to FDEP. The issuance of our permits is still on hold.

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.