




Utility Department Monthly Update

MEETING DATE: September 13, 2022

TO: Honorable Mayor and City Councilmembers

FROM: Daniel Saus, Utility Director 

THROUGH: George Garrett, City Manager

SUBJECT: August 2022 Utility Department Update

A. Wastewater Treatment Plants

1. General Issues

- a. The work continues for the Chemical Feed Upgrades project. Supply issues are rearing their ugly head and will likely cause delays, but I am keeping my fingers crossed for an on-schedule completion.
- b. We received confirmation from FDEP that our Service Area 3 permit application is finally complete. The following schedule was provided from FDEP for the next steps:

Event	Scheduled Date
Application Completion Date	June 30, 2022
Notice of Intent to Issue Permits	August 5, 2022
Applicant to publish Notice of Intent	August 12, 2022
Notice of Final Permits	September 2, 2022

Note: these dates are target dates for planning purposes; actual dates may vary.

Unfortunately, we have not yet received the “Notice of Intent” that was scheduled to be received in August.

2. Odor Complaints / Mitigation

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

3. Effluent Quality Report/Plant Performance

The July 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:

JULY 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	0.128	2.90	<2.0	1.85	1.0	2.51	1.91	0.58	0.60
AREA 4	0.400	0.326	2.65	<2.0	<1.0	1.0	0.70	0.89	0.18	0.21
AREA 5	0.450	0.338	<2.0	<2.0	<1.0	<1.0	0.45	0.9	0.37	0.20
AREA 6	0.200	0.090	<2.0	<2.0	<1.0	<1.0	1.52	1.31	0.23	0.38
AREA 7	0.200	0.048	2.95	<2.0	<1.0	<1.0	0.47	1.04	0.31	0.24

B. Collection System

1. The month of August had average flows for this time of year.

2. Vacuum Station Salinities for August:

- a. Vacuum station salinities at the plants were as follows (in parts per thousand): A3: 1.75 SA4: 2.2; SA5: 4.2; SA6: 0.82 and SA7: 0.96. These values show minimal 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. Call-Outs

a. From August 1st to August 31st there were 52 documented Call outs for the entire Collections System. Of these, 43 were system generated, typically low vacuum detected at one of our Vacuum Stations. These 43 call outs did not result in any inconvenience to our customers in any way as the problems were detected and remedied by Collections/Maintenance City Staff before these problems could become a nuisance to the Homeowners or Residents at these locations.

b. The other call outs were as follows:

i. 8-4-22: Backup Area 4. 574 Sombrero Bch. Rd. The MOD phone received a call about a backup at the property. The Tech responded and inspected the Vacuum Pit and the cleanout and found the City equipment in good working order. It was a Homeowner issue.

ii. 8-7-22: Backup Area 5. 11138 5th Ave. Ocean. The MOD phone received a call about a backup at the property. The Tech responded and inspected the Vacuum Pit and the cleanout and found the City equipment in good working order. It was a Homeowner issue.

iii. 8-8-22: Backup Area 7. 58886 O/S Hwy. The MOD phone received a call about a backup at the property. The Tech responded and inspected the Wet Well of the Station and found it full of grease. He called the Pump Truck to pump down the water and found the float Switch stuck in the off position due to the grease. He cleaned out the grease and put the Grinder Pump Station back into service. No damage to property.

iv. 8-9-22: Backup Area 4. 1251 Westward Ho Drive. The MOD phone received a call about a backup at the property. The Tech responded and inspected the Vacuum Pit and the cleanout and found the City equipment in good working order. It was a Homeowner issue.

v. 8-15-22: Backup Area 4. 223 Sombrero Bch. Rd. The MOD phone received a call about a backup at the property. The Tech responded and inspected the Vacuum Pit and the cleanout and found the City equipment in good working order. It was a Homeowner issue.

vi. 8-17-22: Backup Area 7. 58886 O/S Hwy. The MOD phone received a call about a backup at the property. The Tech responded and inspected the Wet Well of the Station and found it full of water. He called the Pump Truck to pump down the water and found the Float Switch and Contactor bad for both pumps. He replaced the Float Switch and Contactor and put the Grinder Pump Station back into service. No damage to property.

vii. 8-21-22: Backup Area 4. 572 49th St. The MOD phone received a call about a backup at the property. The Tech responded and inspected the Vacuum Pit and the Cleanout and found the Vac Pit to be overwhelmed. The Tech manually fired the Vac Pit to empty the water and put the Vac Pit back into service. No damage to property.

viii. 8-25-22: Back up Area 4. 555 49th St. The MOD phone received a call about a backup at the property. The Tech responded and inspected the Vacuum Pit and the cleanout and found the City equipment in good working order. It was a Homeowner issue.

ix. 8-28-22: Back up Area 4. 572 49th St. The MOD phone received a call about a backup at the property. The Tech responded and inspected the Vacuum Pit and the Cleanout and found the Vac Pit to be overwhelmed. The Tech manually fired the Vac Pit to empty the water and put the Vac Pit back into service. No damage to property.

6. Odor Complaints / Mitigation

b. We received no odor complaints in August 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.

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. Now that Area 3 has been completed we have submitted the same information for both these areas and expect the permitting issues to be resolved.

D. Grants Update Summary

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