




Utility Department Monthly Update

MEETING DATE: August 9, 2022

TO: Honorable Mayor and City Councilmembers

FROM: Daniel Saus, Utility Director 

THROUGH: George Garrett, City Manager

SUBJECT: July 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.

2. Odor Complaints / Mitigation

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

3. Effluent Quality Report/Plant Performance

The June 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:**

JUNE 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	0.120	<2.0	<2.0	3.40	<1.0	3.65	1.92	0.09	0.63
AREA 4	0.400	0.328	<2.0	<2.0	1.15	1.0	1.09	0.90	0.11	0.18
AREA 5	0.450	0.324	<2.0	<2.0	<1.0	<1.0	0.98	1.0	0.23	0.20
AREA 6	0.200	0.105	3.75	<2.0	1.10	<1.0	0.86	1.23	0.20	0.38
AREA 7	0.200	0.040	3.55	<2.0	<1.0	<1.0	1.85	1.04	0.17	0.24

B. Collection System

1. The month of July had average flows for this time of year.
2. Vacuum Station Salinities for July:
 - a. Vacuum station salinities at the plants were as follows (in parts per thousand): A3: 1.88 SA4: 1.3; SA5: 3.0; SA6: 0.82 and SA7: 0.61. 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. Most of them are residential properties at some point in the foreclosure process.
5. Call-Outs
 - a. From July 1st to July 31st there were 61 documented Call outs for the entire Collections System. Of these, 54 were system generated typically a low vacuum detected at one of our Vacuum Stations. These 54 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. 7-7-22: Backup Area 7. 57520 O/S Hwy. The Resident called about a backup at the property. The tech responded and found that both stators on the grinder pumps were bad. He replaced both stators and put the station back into operation. No damage to property.
 - ii. 7-12-22: Backup Area 5. 7940 Aviation Blvd. The MOD phone received a call about a backup at the property. The tech responded and inspected

the vac pit and cleanout. He found the vac pit was in good operating condition. Homeowner issue.

iii. 7-16-22: Backup Area 3. 349A 27th St. The MOD phone received a call about a backup at the property. The tech responded and inspected the vac pit and cleanout. He found the vac pit was in good operating condition. Homeowner issue.

iv. 7-18-22: Alarm Light on Area 7. 59735 O/S Hwy. The Resident called about the alarm light flashing on the control panel of the grinder pump station. The Tech responded and found that both grinder pumps were bad. He replaced both pumps and put the station back into operation. No damage to property.

v. 7-20-22: Backup Area 4. 98 37th St. Gulf. The MOD phone received a call about a backup at the property. The tech responded and inspected the vacuum pit and the cleanout. He found the controller, valve, and surge suppressor in the vac pit to be bad. He replaced them and put the vac pit back into service. No damage to property.

vi. 7-23 -22: Backup Area 5. 575 73rd St. The MOD phone received a call about a backup at the property. The tech responded and inspected the vac pit and cleanout. He found the vac pit was in good operating condition. Homeowner issue.

vii. 7-24-22: Backup Area 3. 1571 O/S Hwy. La Nina Restaurant. The MOD phone received a call about a backup at the property. The Tech responded to troubleshoot the Buffer Tank and found the sensor tube had become detached from the wall of the buffer tank keeping the valve from firing. Trailerama Lift station pumps to that buffer tank and continued to do so until water overflowed the buffer tank. The tech called in the city's pump truck to pump down the excess water in the buffer tank and surrounding area. Reattached the sensor tube in the buffer tank and put it back into service. Then city personnel finished the cleanup of the surrounding area by removing as much water as possible with the City's pump truck, pressure washing the area and then applying a biodegradable disinfectant/deodorizer. The city is currently looking to connect Trailerama to the existing forcemain to the Wastewater Treatment Plant that services that area in the near future.

6. Odor Complaints / Mitigation

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

C. Plant Upgrades & Construction Projects

1. The design for the sludge facility at Area 6 is back on track. The City received about \$3.5 million in Stewardship funding this year and plans to move this project forward. It is being prepared for bidding.
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. The permitting issue has been resolved and we expect an issuance of permit in the month or two.
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

1. We received notification of an award of \$3,500,000 for Stewardship this year! We plan to move the sludge handling facility forward with this grant money. It is expected to get to bid soon. We are hoping for another larger award next year.