




Utility Department Monthly Update

MEETING DATE: May 10, 2022

TO: Honorable Mayor and City Councilmembers

FROM: Daniel Saus, Utility Director 

THROUGH: George Garrett, City Manager

SUBJECT: April 2022 Utility Department Update

A. Wastewater Treatment Plants

1. General Issues

- a. The work continues for the Chemical Feed Upgrades project. We have received and approved the second payment application.

2. Odor Complaints / Mitigation

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

3. Effluent Quality Report/Plant Performance

The March 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:**

March 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	0.187	2.07	<2.0	<1.0	<1.0	1.36	1.37	0.27	0.63
AREA 4	0.400	0.301	<2.0	<2.0	<1.0	<1.0	1.20	0.96	0.27	0.23
AREA 5	0.450	0.344	<2.0	<2.0	<1.0	<1.0	1.02	1.0	0.24	0.30
AREA 6	0.200	0.088	3.21	<2.0	<1.0	<1.0	1.10	1.34	0.19	0.41
AREA 7	0.200	0.044	2.13	<2.0	<1.0	<1.0	1.42	0.91	0.17	0.24

B. Collection System

1. The month of April had average flows for this time of year.
2. Vacuum Station Salinities for April:
 - a. Vacuum station salinities at the plants were as follows (in parts per thousand): A3: 1.85 SA4: 1.39; SA5: 2.10; SA6: 0.91 and SA7: 0.66. 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 April 1st to April 30th there were 44 documented Call outs for the entire Collections System. Of these, 34 were system generated typically a low vacuum detected at one of our Vacuum Stations. These 34 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. 4-2-22: Backup Area 6. 105 Ave I. The MOD phone received a call about water welling up out of the ground. The Tech responded and found the problem to be a broken water main that belonged to the FCAA. The Tech informed the FCAA.

ii. 4-3-22: Backup Area 5. 11270 3rd Ave Gulf. 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 unit to be in good working order. Homeowner Issue. He let the homeowner know to call a plumber.

iii. 4-7-22: Backup Area 7. 57507 Bailey Str. The MOD phone received a call about a backup at the property. The Tech responded and inspected the grinder pump station and found the wet well full of water. The Tech called for the pump truck to pump down the water in the wet well. The Grinder Pump Tech replaced the stators on the pumps and put the unit back into operation. No damage to property.

iv. 4-7-22: Backup Area 6. 141 Ave G. 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 unit to be in good working order. Homeowner Issue. He let the Homeowner know to call a plumber.

v. 4-9-22: Backup Area 4. 62 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. He found the controller and valve to be bad. He replaced them and put the unit back into service. No damage to property.

vi. 4-10-22: Backup Area 4. 257 Sombrero Bch Rd. 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 unit to be in good working order. Homeowner Issue. He let the homeowner know to call a plumber.

vii. 4-12-22: Backup Area 3. 275 30th Str. The MOD phone received a call about a backup at the property. The Tech responded and inspected the vac vit and cleanout. He found the unit to be in good working order. Homeowner Issue. He let the homeowner know to call a plumber.

viii. 4-13-22: Backup Area 5 Remote. 504 81st Str. Ocean. 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 unit to be in good working order. Homeowner Issue. He let the homeowner know to call a plumber.

ix. 4-23-22: Backup Area 5. 970 97th 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 a clog to be on the city side between the cleanout and the vacuum pit. Todd's Plumbing was onsite and cleared the clog out of the gravity lateral. The Vacuum Pit was put back into service. No damage to property. A letter was sent to the property owner warning them to stop flushing wipes, which cause the blockage in the line.

x. 4-25-22: Backup Area 4. 200 51st Str. Ocean. The MOD phone received a call about a backup at the property. The Tech responded and inspected the vac pit and cleanout. He found a clog to be on the city side between the cleanout and the vacuum pit. Todd's Plumbing was onsite and cleared the clog out of the Gravity Lateral. The Vacuum Pit was put back into service. No damage to property.

6. Odor Complaints / Mitigation

b. We received no odor complaints in April 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. Another unexpected RAI (request for

additional information) was received by FDEP in September. Our response team is working the required response which is now due May 9, 2022.

4. We received an RAI for Area 6 WWTP permit renewal similar to the one for Area 3. We responded February 16th and expected a response from FDEP by April 15th. It has not yet been received.

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.