




## Utility Department Monthly Update

**MEETING DATE:** May 13, 2025

**TO:** Honorable Mayor and City Councilmembers

**FROM:** Daniel Saus, Utility Director 

**THROUGH:** George Garrett, City Manager

**SUBJECT:** February 2025 Utility Department Update

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### A. Wastewater Treatment Plants

#### 1. General Issues

- a. Flows were normal for this time of year.
- b. The Chemical feed project and the electrical upgrades projects are both ongoing, but both are nearly completed. Closeout is expected in May.

#### 2. Odor Complaints / Mitigation

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

#### 3. Effluent Quality Report/Plant Performance

The February wastewater facility's performance chart is shown below. 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:**  
**February 2025**

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	0.114	<2.0	2.2	<2.0	<2.0	0.66	0.43	0.55	0.43
AREA 4	0.400	0.397	<2.0	<2.0	<2.0	<2.0	0.74	0.92	0.14	0.31
AREA 5	0.450	0.356	<2.0	<2.0	<2.0	<2.0	0.88	2.0	0.42	0.47
AREA 6	0.200	0.129	<2.0	3.7	<2.0	<2.0	0.73	2.78	0.12	0.62
AREA 7	0.200	0.051	<2.0	2.0	<2.0	<2.0	0.96	1.08	0.68	0.33

## B. Collection System

1. The month of February had normal tides and flows were average.
2. Vacuum Station Salinities for December:
  - a. Vacuum station salinities at the plants were as follows (in parts per thousand):  
SA3 : 1.21; SA4 : 1.91; SA5 : 2.33; SA6 : 0.95 and SA7 : 0.76. 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 only 2 open code cases in process for failure to connect to the City's central wastewater system, code violations, or expired permits.

#### 5. Callouts

- a. From February 1st through February 28th there were 25 documented Call outs for the entire Collections System. Of these, 6 were automatically generated by our control system, typically a low vacuum detected at one of our Vacuum Stations. These 19 call outs did not result in any damage to our customers. These are shown in the table below.

Address	Description of Incident
10875 Overseas Highway, M	Customer complaint
4278 Gulfview Avenue, M	Customer complained
8501 Overseas Highway, M	Low vacuum at buffer tank water in controller
725 West 105th Street Oc	Bad controller
713 East 105th Street Oce	Water in valve and controller surge suppressor dirty no hubs bad
376 96th Saint Ocean, Ma	Back up
777 East 63rd Street Ocea	Low vac
744 50th Saint Gulf, Mara	Area #4 Call for low vacuum
1258 Ocean View Avenue	Low vac
255 Ocean Street, Marath	Low vacuum bad controller
1575 52nd Street, Marath	Customer complaint
96 Avenue C, Marathon, F	Bad valve
853 74th Street Ocean, M	Remote call for low vacuum
504 74th Street Ocean, M	Remote call for low vacuum
349A 27th Street Ocean, F	Area #3 call for low vacuum
1117 28th Street Ocean, M	Vacuum pit backed up
9 Man-O-War Drive, Mara	Customer call
1144 Bulevar De Palmas,	Customer call backing up Out of their house
1155 Bulevar De Palmas,	Customer call
1161 Camino Del Vientos	Customer call
1156 Camino Del Vientos	Customers complaint
7636 Gulfstream Bouleva	Debris in the valve, Bad no hubs
11756 3rd Avenue Ocean,	Bad controller replaced
11401 1st Avenue Gulf, M	Low vacuum
619 Sombrero Beach Roa	area4 low vacuum

#### 6. Odor Complaints / Mitigation

We received no odor complaints in February about 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 5 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. The flood wall is on hold for now due to the costs. The electrical upgrades bids were received, and an award was approved at the last council meeting.
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 holds on our permits have been removed but are still in negotiations with FDEP on our permits for Areas 3, 4, & 6. **Status unchanged.**

### D. Grants Update Summary (No changes this month)

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