



City of Marco Island

Meeting Date: June 2, 2025

To: City Council

From: Jeffrey E. Poteet, General Manager- Water & Sewer

Through: Mike McNees, City Manager

Re: Water and Sewer (W&S) Departmental Report

Both the City's drinking water and wastewater operations follow Florida Department of Environmental Protection (FDEP) regulations and all other regulatory entity requirements. The W&S Department is operating within the approved budget. Below is a summary of department activities during the past month.

WPF Honored with the Prestigious David W. York Award

The City of Marco Island is proud to announce that the Reclaimed Water Production Facility (RWPF) has been awarded the esteemed David W. York Award by the Florida Water Environment Association (FWEA). This prestigious recognition celebrates excellence in water reuse and recognizes outstanding facilities that demonstrate innovation, sustainability, and operational excellence in water resource management.



C&D Building and Covered Open Storage

The covered open storage building at the North Plant has passed all electrical and plumbing inspections, and paving for access to the new building was completed in mid-May. Items remaining to be completed include final grading and sodding the pervious areas around the building. Work on this structure is expected to be completed by the end of May.

Much progress has been made on the C&D Building. This month the contractor installed the HVAC system, and the building was also



connected to power, allowing the contractor to begin finishing the interior spaces in a climate-controlled environment. The interior has been painted, tiles installed in the bathroom/locker rooms, and cabinets installed in the kitchen. In addition, the backup power generator has been installed, and exterior painting has begun in a color scheme to match the existing plant. By the end of May the contractor plans to have interior lighting and flooring installed as well as the metal roof and exterior painting completed.

Source Water Facility Biologically Active Filters

Construction on the Biologically Active Filters Improvements project is progressing on schedule. The contractor has successfully installed a 56ft by 42 ft concrete reinforcing pad for the filter foundation and has completed all underground electrical conduits, wiring, and handholes. Additionally, the contractor is currently working on the installation of formwork and rebar for the backwash pump concrete pad.

The pressure filters were inspected by the engineer of record at the manufacturer's facility on May 16. The engineer will provide a detailed report of their findings to both the owner and the contractor.

The project remains on budget.



Water & Sewer Billing

Some homeowners have had the unfortunate experience of receiving an unexpectedly higher than usual water bill. The cause of the increased bill could range from unknown leaks, pool filling and/or billing errors. Consumers are encouraged to investigate Water and Sewer (W&S) billing issues on their own, prior to seeking the City's assistance. The following guidance will be provided to customers to mitigate unexpected higher than usual bills.

Before coming to the City, do your due diligence and eliminate any possibility that leaks are the cause of the higher W&S bill. Here are some things to check:

1. Walk your property and look for standing water. This could indicate an issue. If the area in question is a leak, repairs are the property owner's responsibility and must be made immediately.
2. Check your toilets for dripping or running water. A continuously running toilet can waste 200 gallons/day or more.
3. Check your dock and outside hose fittings for leaks or line breaks. Line breaks at the dock can be very costly, as they typically go unnoticed. A half-inch waterline break could waste 12,000 gallons/day or more.
4. Check the water meter for usage. Turn off all known water usage and look at the water meter. If the water meter is spinning, water is going through the meter and going somewhere. If you cannot determine where the water is going you may have to call a leak detector specialist to find the issue.
5. Check your irrigation system for leaks, missing spray nozzles and broken fittings.
6. Check your pool. Some pools are equipped with an automatic pool filling valve. The valve can get stuck in the open position, thereby continuously filling the pool

7. Pool Filling and Sod/landscaping – if pools are drained or sod/landscaping is installed, relief on the conservation rate portion of the bill may be requested. Please feel free to contact a Customer Service representative for more information.

If it is determined that you have a leak, there may be some relief on the conservation rate portion of the W&S bill. Once repairs have been made, a request for relief can be made to the City.

The majority of excessively high-water bills are due to a water line break at the dock. If homeowners do not have shut-off valves on the dock line that is easily accessed, we suggest that one is installed. The valve should be shutoff after each use. The picture depicts a well-marked, easily accessed shutoff valve.



Customers that believe there is an issue with the W&S bill itself, are encouraged to contact a Customer Service representative – (239) 394-3880 (option 1).

Boil Water Data Not Available for this report and the information will be added to the next report.

Treatment Plant Data

Starting Date:		3/1/2025		Rain Fall for Time Period		0.30 Inches	
Ending Date:		3/31/2025		Average Daily Flow (ADF)			
Aquifer Storage & Recovery				Million Gallons per Day (MGD)			
ASR - Injection Avg. Daily Flow		0.00 MGD		Mar-25		"U" Undetected - results below detection limit	
ASR - Recovery Avg. Daily Flow		3.44 MGD					
Marco Island Drinking Water							
				Max Day	Max Day	Flow	
Combined Consumer ADF		11.28 MGD		3/24/2025	12.69	MGD	
NWTP Consumer ADF		4.14 MGD		3/6/2025	5.28	MGD	
SWTP Consumer ADF		7.14 MGD		3/24/2025	8.22	MGD	
Finished Water Testing							
Minimum Chlorine Residual		3.50 mg/L					
		Maximum	Minimum			Maximum	Minimum
Turbidity		0.01	0.01	NTU	Chlorides	131	120 mg/L
Total Dissolved Solids		285.00	271.00	mg/L	Color	25	-7 mg/L
P-Alkalinity		9.00	4.00	mg/L	Phosphate	0.9	0.61 mg/L
M-Alkalinity		42.00	32.00	mg/L	Ammonia	0.85	0.65 mg/L
Cal-Hardness		168.00	74.00	mg/L	Aluminum	0.06	0.01 mg/L
Total Hardness		210.00	105.00	mg/L	pH	8.99	7.49 SU
Mar-25 Wastewater - RWPF				Monthly Testing			
Average Flow		Monthly Max Day		Influent		Effluent	
Influent	2.75 MGD	3/15/2025	3.16	BOD	370.8	15.05	mg/L
Reuse	2.43 MGD	3/28/2025	3.08	TSS	214	0.95	mg/L
Deep Well	0.309 MGD	3/11/2025	0.707	Total N	NA	4.9	mg/L
				Total P	6.93	2.38	mg/L

