

OCEAN PINES WATER / WASTEWATER ADVISORY BOARD

April 10, 2025 9:00 A.M.

AGENDA

1. Meeting Minutes approval

2. Water Production

- a. Began production well resiliency evaluation, nearly complete, waiting on input from electrical contractor

3. Water Distribution (2/11/25-Present)

- a. New services – 5 (3 pending)
- b. Leak repairs – 35
- c. Capital Project
 - i. Radio Read Meters – replacement project underway, 1,499 out of 5,054 meters replaced.
 - ii. Blue Tubing Replacement – order as needed

4. Wastewater Treatment Plant

- a. Storage lagoon – Gas main relocation, \$33,574.00, purchase order issued 2/3/25; Precon meeting scheduled for week of April 14th – 18th. Unused Ocean Downs EDUs (162) are available for sale. Crabs-to-Go bought some of them.
- b. Belt filter press design –75% submittal on 11/15/24, waiting on resubmittal, project engineer overseeing project is leaving the design firm
- c. Volume of sewage hauled from Riddle Farm WWTP: 3,204,000 gallons between 1/4/25 - 3/1/25
- d. FY 25 Capital Projects
 - i. Replace Mixer for FET No. 1 – approved by Commissioners on 12/17/24, purchase order issued 2/3/25, 22 week delivery time
 - ii. Clarifier No. 1 – bent rake arm, under repair (budget \$18,000); discovered additional corrosion to baffle weir wall, working with contractor to repair, current estimate is an extra \$18,000
 - iii. Treatment Unit No. 4 cleaning - out for bids, opening 4/25/25; replacement mixer installed

5. Wastewater Collections (2/11/25-Present)

- a. SSO's – 3
 - i. 2/28/25; 4pm – 1210 Ocean Parkway, 6" force main with longitudinal crack, 100 gallons released into ditch, no impact to water way
 - ii. 2/28/25; 7pm – 1226 Ocean Parkway, 6" force main with longitudinal crack, 400 gallons released into ditch, no impact to water way
 - iii. 3/1/25; 7am – 1126 Ocean Parkway, 6" force main with longitudinal crack, 1,000 gallons released into ditch, no impact to water way
- b. Household tanks replaced – 4 (1 plastic, 1 fiberglass, 2 concrete)
- c. Smoke testing mostly complete, 1 section left, to be completed in spring. Majority of findings have been broken cleanouts
- d. FY 25 Capital Projects
 - i. Bush Pumps – order as needed
 - ii. Fiberglass Vacuum Tanks – order as needed
 - iii. Lift Station "T" Pump Replacement – approved by Commissioners on 10/1/24, waiting on delivery
 - iv. Receiving Tank Station "I" - approved by Commissioners on 10/1/24, waiting on delivery

6. Construction Projects (Total EDUs)

- a. Triple Crown Phase II (30) – waiting bacteria testing for water main
- b. Gum Point Road (15 sewer) – no change since 6/11/24 meeting
- c. St. Martins by the Bay (58 water) –30% design was due 9/12/24, USDA Engineer/Owner agreement received from design firm on 12/23/24. Agreement being finalized.
- d. River Run Townhouses (56) –project closed out, maintenance bond released

- e. River Run Single Family Homes (38) – Pump Station punch list of items have been completed. Waiting for contractor to complete the punch list items for water and sewer utilities.
- f. Refuge at Windmill Creek – (90) Phase 2 sewer under construction

7. Financial Update (Treasurer's Office)

- a. EDU Breakdown – Current / Under Construction / Reserved / Available / Total
- b. Balance sheet & income statement

8. General Discussion / Comments from the Board

Bay Restoration Fee Criteria YTD (mg/L)

	TOTAL	TOTAL
	N	P
JAN	6.71*	0.16
FEB	11.92*	0.30
MAR	5.71	0.51
APR		
MAY		
JUN		
JUL		
AUG		
SEP		
OCT		
NOV		
DEC		
Average	8.11	0.32
BRF Limit	3.0	0.3

* Prolonged sub-freezing temps affected nitrogen removal. See summary on page 3.

Total Flow for 2024 Year-to-Date:

	<u>Million Gallons</u>	<u>Daily Average, MGD</u>
January	25.057	0.808
February	23.251	0.830
March	25.621	0.826
Total	73.929	

January

DATE	TOTAL N	TOTAL P	TEMP
1/1/2025	1.61	0.31	12.4
1/6/2025	1.81	0.15	12.6
1/8/2025	2.38	0.11	10.0
1/13/2025	3.20	0.10	9.7
1/15/2025	8.75	0.16	9.7
1/20/2025	6.41	0.10	9.6
1/22/2025	9.14	0.14	8.7
1/27/2025	12.00	0.11	8.6
1/29/2025	15.11	0.25	9.4
AVERAGE	6.71	0.16	10.1

February

DATE	TOTAL N	TOTAL P	TEMP
2/3/2025	9.60	0.21	10.0
2/5/2025	10.74	0.17	10.2
2/10/2025	2.52	0.96	10.5
2/12/2025	3.73	0.16	10.4
2/17/2025	3.20	0.20	10.1
2/19/2025	16.80	0.22	9.6
2/24/2025	19.55	0.33	8.8
2/26/2025	29.18	0.17	9.9
AVERAGE	11.92	0.30	9.9

Design minimum temperature is considered to be 12.

Nitrifying bacteria are the first to be affected by cold temps and the last to recover. We started adding cold tolerant bacteria in December.

Historical Average Annual Flows (Million Gallons per Day, MGD)

2019 - 0.745
2020 - 0.774
2021 - 0.856
2022 - 0.831
2023 - 0.859
2024 – 0.822