



A Middlesex Water Company Affiliate

January 30, 2026

Ms. Patricia Murray
DNREC Division of Water
89 Kings Highway
Dover, DE 19901

RE: Bethany Bay/Ocean View
Water Allocation Permit

Dear Ms. Murray,

Enclosed please find the DNREC Water Allocation Permit application for the Bethany Bay/Ocean View District located in Sussex County, Delaware. This application is a modification to Permit # 02-0011AM2 for the replacement of well #87527 with new well #290645 in the Columbia-Gap Pocomoke aquifer. At this time, Tidewater Utilities, Inc. is not requesting an increase to any of the withdrawal rates listed on the previous application submitted in 2021.

The water allocation requests are as follows:

| | |
|-------|------------|
| Day | 5.124 MG |
| Month | 130.490 MG |
| Year | 710.481 MG |

If you would like to tour the facilities, please contact Paul Peris at 302-218-8534 to make arrangements. If you have any questions or need additional information regarding this application, please feel free to contact me at 302-505-0580.

Sincerely,

Tawanda Priester
Project Engineer

Attachments

cc: Bruce Patrick, Tidewater Utilities
Brian Carbaugh, Tidewater Utilities
Paul Peris, Tidewater Utilities

STATE OF DELAWARE
DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL
APPLICATION FOR A WATER ALLOCATION PERMIT

VIOLATIONS ARE SUBJECT TO PENALTY PROVIDED BY 7 DEL. C. CHAPTER 60

MAIL TO:

OFFICIAL USE ONLY:

WATER ALLOCATIONS BRANCH
 DNREC - DIVISION OF WATER
 89 KINGS HIGHWAY
 DOVER, DE 19901
 (302) 739-9945
<http://www.dnrecstate.de.us>

DNREC ALLOCATION NO. _____
 DRBC DOCKET NO. D-_____ CP

PLEASE TYPE OR PRINT

1. Owner Name Tidewater Utilities, Inc.
 Address 1100 South Little Creek Road
 City Dover State DE Zip 19901 Phone # 302-734-7500
2. Project Name Bethany Bay-Ocean View
 Address _____
 City _____ State _____ Zip _____ Telephone # (_____) _____
3. Date of Application 1/30/2026
4. Name, address, and telephone # of geologist (or engineer): _____
5. Attach a map (USGS 7 1/2 minute quadrangle only) with clearly marked locations of all facilities (wells, streams, and pond intakes). Applications for irrigation systems must also show the acreage served by each facility. All applications must show, if applicable, the locations of service areas, water tanks, interconnections, and property/corporate boundaries. See Exhibits A & B
6. Purpose (check): Public Industrial Process Industrial Cooling Irrigation
 Commercial Contaminant / Recovery Other _____
7. Facility information: (attach additional sheet(s) if needed)

| A. Facility Local ID | B. Facility Permit No. | C. Maximum Pump Capacity (GPM) | D. Maximum Use (GPD) | E. Acreage Total / Irrigated |
|----------------------------|------------------------------|--------------------------------------|----------------------------|------------------------------------|
| | | | | |
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| | | | | |
| | | | | |

8. Requested rates(MG): Day 5.124 Month 130.490 Year 710.481
 Sub-Total _____ System Total x
9. For irrigation projects only: Total tillable acreage: N/A Irrigated acreage: N/A

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6. Purpose (check): Public Industrial Process Industrial Cooling Irrigation
 Commercial Contaminant /Recovery Other _____
7. Facility information: (attach additional sheet(s) if needed) Columbia-Gap Pocomoke

| A. Facility Local ID | B. Facility Permit No. | C. Maximum Pump Capacity (GPM) | D. Maximum Use (GPD) | E. Acreage Total / Irrigated |
|----------------------------|------------------------------|--------------------------------------|----------------------------|------------------------------------|
| Bay Colony 170253 | 170253 | 340 | 489,600 | |
| Bay Forest 230101 | 230101 | 360 | 518,400 | |
| Bay Forest 222199 | 222199 | 345 | 496,800 | |
| Bethany Bay 184335 | 184335 | 400 | 576,000 | |
| Bethany Bay Well 290645 | 290645 | 400 | 576,000 | |
| Bethany Bay 275618 | 275618 | 500 | 720,000 | |
| Bethany Bay Well 275619 | 275619 | 500 | 720,000 | |

8. Requested rates(MG): Day 2.195 Month 60.517 Year 473.527
 Sub-Total System Total _____
9. For irrigation projects only: Total tillable acreage: N/A Irrigated acreage: N/A

10. What is the estimated consumptive use, as a percentage of the total withdrawal?
Approximately 10%

11. Can water be transferred from facilities other than those listed in #8 (above)? No If so, give the name and location, the use for the water, and list average daily, monthly, and yearly flows. (Interconnections with other systems should be marked on the map attached for #6).

12. Discuss the feasibility of interconnecting with other systems. (not applicable to irrigation projects).
It is not feasible to interconnect this system at the present time.

13. For each well listed in #8 (above), attach copies of Completion Reports and pumping test reports as specified in the Well Permit. If these reports do not exist, attach all available information about the wells or intakes.
See Exhibit C

14. Attach copies of the latest reports on chemical and bacteriological analyses for the water from each facility. (not applicable to irrigation wells and irrigation surface-intakes).
See Exhibit D

15. Describe all treatment the withdrawn water will receive prior to use.
Sodium Hypochlorite for disinfection purposes, Chloramination for disinfection purposes, Green Sand Filters for iron removal, Sodium Hydroxide for pH adjustment, Zinc-Ortho for corrosion control

16. Describe the method of treatment for this project's waste water. If the waste water is discharged to surface waters or lands, attach copies of the latest chemical and bacteriological analyses of the effluent, including temperature (DMRs), and where appropriate the disposal project study. Otherwise, name the treatment facility for this waste water.
Sussex County Sewer and individual septic systems

17. Are all facilities listed in #7 (above) individually metered? Yes. Identify those not metered and submit a proposed schedule for meter installation.

18. For public supply projects only: what percent of individual service-connections are metered? 100% If not 100%, give a schedule of when it will be 100%. What is the present population? 33,799 in five years? 45,231.

19. Conservation Program for projects with total system water withdrawals over of 1.0 mgd. Attach the appropriate program description. (not applicable to irrigation projects).

A. **Public water supply systems:** A Conservation Program which provides for the monitoring, prevention, and repair of leakage throughout the system, provides customer information relating to water conservation and water-saving devices.
Water Conservation on file at DNREC.

B. **Industrial, Commercial and other water supply projects:** A Conservation Program which provides for the investigation of all feasible conservation measures, and provides for the implementation of those feasible as soon as possible. A description of leak-detection monitoring and all feasible process-modifications for minimizing both water usage and loss.

20. Drought Emergency Plan for projects with total system water withdrawal over 1.0 mgd. Attach the following plan description. (not applicable to irrigation projects).

A. Identification of all priority uses for water throughout the system or service are, priority locations, water usage restriction schedules, implementation procedures, and any alternate sources of water.

Emergency on file at DNREC.

21. AFFIDAVIT

I, Bruce E. Patrick, hereby affirm this application and any plans, reports, or documents submitted with this application to be true and correct to the best of my knowledge and belief.

Signature Bruce E. Patrick

Date 1-30-26

SWORN TO AND SUBSCRIBED before me the 30th day of January A.D., 26.

Karen Elaine Mctaggart
NOTARY PUBLIC

*Applications for withdrawal for agricultural irrigation are not required to be notarized.

KAREN ELAINE MCTAGGART
NOTARY PUBLIC
STATE OF DELAWARE
My Commission Expires September 18, 2026