

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

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

Division of Water
Commercial and Government Services Section
Water Supply Assessment & Protection
89 Kings Highway
Dover, DE 19901
Phone: 302-739-9948
<https://dnrec.delaware.gov/water>

OFFICIAL USE ONLY:

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

PLEASE TYPE OR PRINT

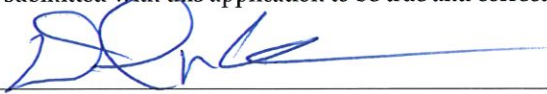
1. Owner Name Artesian Water Company, Inc.
Address 664 Churchmans Road
City Newark State DE Zip 19702 Phone # (302) 453 - 6900
2. Project Name Bayville (Pocomoke Aquifer)
Address ~~37325 Ahkras Lane~~ 38539 Bayville Shores
City Selbyville State DE Zip 19975 Telephone # (____)
3. Date of Application 10/25/2024
4. Name, address, and telephone # of geologist (or engineer): N/A
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.
On file at DNREC.
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
<u>2R (Proposed)</u>	<u>287414</u>	<u>700</u>	<u>1,008,000</u>	<u>N/A</u>
<u>3</u>	<u>218524</u>	<u>700</u>	<u>1,008,000</u>	<u>N/A</u>

8. Requested rates(MG): _____ Day 2.016 Month 60.48 Year 735.84
Sub-Total System Total _____
Total requested combined with permit 02-0013B: 2.016/day; 60.48/month; 735.84/year
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? 9.3 %
11. Can water be transferred from facilities other than those listed in #8 (above)? Yes. 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). This facility is one of multiple sources of supply in Artesian's Sothern Sussex regional water system.
12. Discuss the feasibility of interconnecting with other systems. (not applicable to irrigation projects).
The Southern Sussex regional water system is interconnected with the Selbyville and Dagsboro systems.
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.
Reports for well 3 are on file at DNREC. Reports for Well 2R will be provided once the well is constructed and tested.
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).
Results for well 3 are on file at DNREC. Results for well 2R will be provided once the well is constructed and tested.
15. Describe all treatment the withdrawn water will receive prior to use. Aeration, chlorination, iron removal, fluoridation, pH control, and phosphate addition.
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 Public Sewer System.
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? 19,065 in five years? 21,457.
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). On file at DNREC
- 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.
- 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). On file at DNREC
- 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.

21. AFFIDAVIT
I, Daniel Konstantycki, 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 

Date 10/28/24

SWORN TO AND SUBSCRIBED before me the 28th day of October A.D., 2024

Susan Mayer Betts
NOTARY PUBLIC

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

