

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 Artesian Water Company, Inc  
Address 664 Churchmans Road  
City Newark State DE Zip 19702 Phone # 302-453-6900
2. Project Name: Wilmington Manor Gardens Well 4 (formerly MW-2)  
Address: 31 Fordham Ave.  
City New Castle State DE Zip 19720 Telephone # (302) 453-6900
3. Date of Application: May 19, 2025 Peter M. Demicco, P.G.,  
310 Newark Road, Landenberg, PA 19350
4. Name, address, and telephone # of geologist (or engineer): 908-507-9992
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
4	194992	350	504,000	N/A

8. Requested rates(MG): Day 0.504 Month 15.12 Year 183.96  
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? 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 well field is one of many sources of supply in Artesian's New Castle County regional water system.
12. Discuss the feasibility of interconnecting with other systems. (not applicable to irrigation projects). This water system is interconnected with Chester Water Authority, Wilmington, New Castle, Newark, Middletown, and Veolia Delaware.
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. Completion report and reclassification application are attached.
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). Water quality analysis is attached.
15. Describe all treatment the withdrawn water will receive prior to use. Iron removal, aeration, pH adjustment, chlorination, fluoridation, 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. New Castle County 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? 234,642 in five years? 240,567.
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 procedure, and any alternate sources of water.

21. AFFIDAVIT

I, Daniel Konstanski, P.E., BCEE, 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 [Signature]

Date 5/19/25

SWORN TO AND SUBSCRIBED before me the 19th day of May A.D., 2025.



Susan Mayer Betts  
NOTARY PUBLIC