

**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 KINGSHIGHWAY  
DOVER, DE 19901  
(302) 739-9945  
http://www.dnrecstate.de.us

DNREC ALLOCATION NO. 94 - 0014 M Renewal  
DRBC DOCKET NO. D- 2002 - 034 CP - 4

PLEASE TYPE OR PRINT

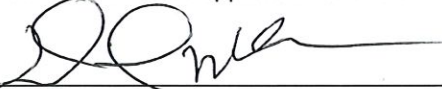
1. Owner Name Artesian Water Company, Inc.  
Address 664 Churchmas Road  
City Newark State DE Zip 19702 Phone # 302-453-6900
2. Project Name Wilmington Airport  
Address 2807 Park Rd  
City New Castle State DE Zip 19720 Telephone # ( 302 ) 453 - 6900
3. Date of Application 3/14/24 Peter M. Demicco, P.G,  
310 Newark Road, Landenberg, PA 19350  
908-507-9992
4. Name, address, and telephone # of geologist (or engineer): Peter M. Demicco, P.G,  
310 Newark Road, Landenberg, PA 19350  
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.<br>Facility<br>Local ID | B.<br>Facility<br>Permit No. | C.<br>Maximum Pump<br>Capacity (GPM) | D.<br>Maximum Use<br>(GPD) | E.<br>Acreage<br>Total / Irrigated |
|----------------------------|------------------------------|--------------------------------------|----------------------------|------------------------------------|
| Well #1                    | 10029                        | 200                                  | 288,000                    | N/A                                |
| Well # 2                   | 10030                        | 200                                  | 288,000                    | N/A                                |
| Well # 3R                  | <del>108543</del><br>108453  | 200                                  | 288,000                    | N/A                                |
|                            |                              |                                      |                            |                                    |
|                            |                              |                                      |                            |                                    |
|                            |                              |                                      |                            |                                    |

8. Requested rates(MG): \_\_\_\_\_ Day 0.864 Month 25.92 Year 311.040  
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 is one of many sources of supply in the Artesian New Castle County regional system.
12. Discuss the feasibility of interconnecting with other systems. (not applicable to irrigation projects).  
The NCC system is interconnected with Wilmington, Newark, Chester Water Authority, 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. On file at DNREC
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). On file at DNREC
15. Describe all treatment the withdrawn water will receive prior to use. Aeration, Chlorine for disinfection, Fluoridation, Iron/Manganese Removal, Caustic for pH adjustment, Phosphate 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. New Castle County Public Sewer 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? 234,081 in five years? 237,124.
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. 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). 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 Konstanski, 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 3/14/24

SWORN TO AND SUBSCRIBED before me the 14th day of March A.D., 2024

  
NOTARY PUBLIC

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

