

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:

Water Supply Assessment & Protection
Div. of Water - DNREC
89 KINGS HIGHWAY
DOVER, DE 19901
FOR INFORMATION: (302) 739-9948

OFFICIAL USE ONLY:

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

APPLICATION FEE VALIDATION -->
RECEIVED BY _____

PLEASE TYPE OR PRINT

1. Owner's Name Sussex County Council
Address 33711 South Coastal Lane
City Frankford State DE Zip 19945 Telephone # 302-855-7730
Email Address parker.burdell@sussexcountyde.gov
2. Project Name Industrial Park
Address 21635 Baltimore Avenue
City Georgetown State DE Zip 19947 Telephone # 302-855-7730
3. Date of Application March 14th, 2025
4. Name, address, and telephone # of geologist (or Engineer): _____
5. Attach a map with 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, where appropriate, the locations of service areas, water tanks, interconnections, and property/corporate boundaries.
6. Purpose (check): Public Industrial Process Industrial Cooling
 Irrigation Commercial Contaminant Recovery Other _____
7. Facility information: (attach additional sheets if needed)

A. Facility Local ID	B. Facility Permit No.	C. Maximum Pump Capacity (Gallons Per Minute)	D. Maximum Use (Gallons Per Day)
#1	30560	200	288,000
#2	59282	300	432,000

These next 6 questions are specific to how your system runs for Irrigation purposes.

8. How many inches of water is required per week to meet the needs of your crop?

N/A

9. How many days would you typically spray irrigate in a week to meet the needs of item 8?

N/A

10. How many hours per day would the spray irrigation run on a typical day?

N/A

11. How many weeks is irrigation required during a typical growing season?

N/A

12. Do you require any pre/post-season irrigation to adjust soil moisture prior to planting the crop?

N/A

13. If off-peak season irrigation is required, what is the weekly water need and for how many weeks?

N/A

14. Requested rates (Million Gals): 432,000 Day 1,800,000 Month 18,000,000 Year

Sub-Total _____ System Total X (check Sub if systems interconnect)

15. For irrigation projects only: Total tillable acreage: _____ Irrigated acreage: _____

16. What is the estimated consumptive use, as a percentage of the total withdrawal? 98%

17. For each well listed in #8 (above), attach Completion Reports and pumping test reports as specified in the Well Permit. If reports not available, attach all information about the wells or intakes.

18. Describe all treatment the withdrawn water will receive prior to use.

Well #2- Phosphate, gac, Cl2 disinfection, pH adjustment

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

20. 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.

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

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

22. AFFIDAVIT

I, Parker Burdell, 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 3/17/2025

SWORN TO AND SUBSCRIBED before me the 17th day of March, 2025

Susan Elizabeth Davis-Tyndall
NOTARY PUBLIC

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



Sussex County Industrial Water Allocation

Allocation No: 95-0001

4.3.1

Water meters are checked monthly, and tenants are billed quarterly based on usage. Keep an eye out while pulling water samples in addition.

4.3.2

SCADA systems monitor system pressure at the treatment plant. The system is monitored 24/7 and alarms are set in place to monitor the pressures.

4.3.3

Staff is trained while out in the service district to observe the areas for any possible leaks and investigate accordingly.

4.3.4

SCADA communications is staffed and can dispatch operators 24/7. Customers have been provided contact information, should they have any issues.

4.3.5

Interconnect with the Town of Georgetown to provide supplemental water in place of wells.

4.3.6

Non- Applicable