

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

DNREC ALLOCATION NO. \_\_\_\_\_  
 DRBC DOCKET NO. D-\_\_\_\_\_-\_\_\_\_\_ CP  
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 APPLICATION FEE VALIDATION -->  
 RECEIVED BY \_\_\_\_\_

**PLEASE TYPE OR PRINT**

1. Owner's Name James Carpenter / Phillip Dukes - Manager  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Telephone # \_\_\_\_\_  
 Email Address \_\_\_\_\_

2. Project Name Calhoun  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Telephone # \_\_\_\_\_

3. Date of Application 3/30/2026

4. Name, address, and telephone # of geologist (or Engineer): Pdukes8120@gmail.com

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)	E. Irrigated Acres/Total Acreage
Calhoun #1	37808	1000	1,440,000	252
Calhoun #2	106125	800	1,152,000	252
Calhoun #3	209278	300	432,000	168
Calhoun #4	291944	1200	1,728,000	142

**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?

**2"**

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

**4**

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

**24**

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

**8**

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

**Yes**

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

**1" 4 Weeks**

14. Requested rates (Million Gals): 4.756 Day 38.048 Month 76.096 Year

Sub-Total \_\_\_\_\_ System Total \_\_\_\_\_ (check Sub if systems interconnect)

15. For irrigation projects only: Total tillable acreage: 643 Irrigated acreage: 562

16. What is the estimated consumptive use, as a percentage of the total withdrawal? 100%

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.

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).**

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, James L. Carpenter, 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 3/30/2026

SWORN TO AND SUBSCRIBED before me the \_\_\_\_\_ day of \_\_\_\_\_.

\_\_\_\_\_  
NOTARY PUBLIC

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