

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:

ALLOCATIONS - WATER SUPPLY BRANCH
 DIV. of WATER - DNREC
 89 KINGS HIGHWAY
 DOVER, DE 19901
 FOR INFORMATION: (302) 739-9945

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

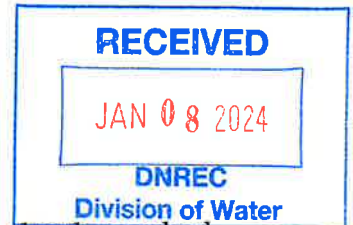
PLEASE TYPE OR PRINT

1. Owner's Name Emil Gallo and Sons (Ruth Gallo Trustee)
 Address 1266 Gallo Rd
 City Harrington State DE Zip 19952 Telephone # 302-242-1498
 Email Address emilgalloandsons@gmail.com

355195552. Project
 Name Magnolia Irrigation Well
 Address Sophers Row Road
 City Magnolia State De Zip 19962 Telephone # N/A

355199792. Date of Application 11/05/23

355199952. Name, address, and telephone # of geologist (or Engineer):



355200032. Attach a map (USGS 7 1/2-minute quadrangle) with accurately and 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, where appropriate, the locations of service areas, water tanks, interconnections, and property/corporate boundaries.**

355195152. Purpose (check): Public Industrial Process Industrial Cooling
 Irrigation Commercial Contaminant Recovery Other _____

355196352. 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)
<u>Magnolia New Well</u>		<u>400</u>	<u>576,000</u>

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?

Corn 2" per week,
Soybeans 1.4" per week

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

2-3

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?

June - Aug Depending on weather, 12-14 weeks

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

No

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

0

14. Requested rates (Million Gals): 576,000 Day 1,728,000 Month 17,280,000 Year

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

15. For irrigation projects only: Total tillable acreage: ~~75~~⁷⁵ Irrigated acreage: 50.8

16. What is the estimated consumptive use, as a percentage of the total withdrawal? 90% 10% evaporation

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.

None

19. Are all facilities listed in #7 (above) individually metered? No. 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, Emil Galt J., 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 Emil Galt J.
Date 11/09/23

SWORN TO AND SUBSCRIBED before me the _____ day of _____.

NOTARY PUBLIC

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