

Application Type Renewal  
Facility Type CAFO  
Permit Type Individual

**NPDES PERMIT FACT SHEET  
CAFOs**

Application No. PA0260169  
APS ID 604411  
Authorization ID 1422709

**Applicant and Facility Information**

Applicant Name	<u>Elmer J King</u>	Farm Name	<u>Greenfield Farms CAFO</u>
Applicant Address	<u>3382 B West Newport Road</u> <u>Ronks, PA 17572</u>	Farm Address	<u>6420 Route 35</u> <u>East Waterford, PA 17021</u>
Applicant Contact	<u>Elmer King</u>	Farm Contact	<u>Elmer King</u>
Applicant Phone	<u>(717) 575-0126</u>	Farm Phone	<u>(717) 575-0126</u>
Client ID	<u>253791</u>	Site ID	<u>684011</u>
SIC Code	<u>0214,0252</u>	Municipality	<u>Lack Township</u>
SIC Description	<u>Agriculture - Chicken Eggs</u> <u>Agriculture - Sheep And Goats</u>	County	<u>Juniata</u>
Date Application Received	<u>January 4, 2023</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>January 10, 2023</u>	WQM App. No.	<u>N/A</u>
Project Description	<u>Elmer J King submitted an application for CAFO permit renewal for his existing layer operation.</u>		



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	January 18, 2024
X		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	1/19/2024

**Description:**

Elmer J King submitted an application for CAFO permit renewal for his existing layer operation located in Lack Township, Juniata County. There are 2 barns on the operation with Barn 1 being a cage barn holding 98,000 layers and Barn 2 being a cage free barn holding 42,500 layers. This operation is not considered a CAO since the animal density does not exceed 2 AEUs/Acre. This operation is considered a large CAFO for exceeding the EPA large CAFO threshold of 82,000 layers when using a solid manure handling system. The operation has the following animal population:

Animal Type	Number	AEUs
Layer, white egg: 18–75 wk.	140,500	439.77
Medium Breed Ewe	10	1.75
Sheep, medium breed - Lamb (0-1 yr.)	15	0.40
Sheep, medium breed - Ram	1	0.20
<b>Total AEUs =</b>		442.12

The receiving water is Tributary 12004 to Dougherty Run, designated as High Quality-Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 12-B. This stream is impaired by crop production siltation. Due to being located in a High Quality watershed, the Department’s Individual CAFO permit is appropriate for this operation.

**Manure/Nutrient Management:**

The current NMP was approved on October 26, 2022, for crop years 2023, 2024, and 2025. There are 906.9 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 0.49 AEUs/acre.

*Manure Group Information:*

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Layer - Fall	1,088.0 tons	1,834.1 tons	0.0
Layer - Spring	1,088.0 tons	1,264.7 tons	0.0
Sheep/Goats - uncollected	17.2 tons	17.4 tons	0.0

*Exported Manure:*

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Wellsville Grain 3388 Jack Bridge Road Wellsville NY 14895	500 tons Poultry	500 tons Poultry	500 tons Poultry	500 tons Poultry

The following requirements must be met when transferring manure to other persons:

**40 CFR 122.42(e)(3) - Requirements relating to transfer of manure or process wastewater to other persons.**

*Prior to transferring manure, litter, or process wastewater to other persons, Large CAFOs must provide the recipient of the manure, litter or process wastewater with the most current nutrient analysis. The analysis provided must be consistent with the requirements of 40 CFR part 412. Large CAFOs must retain for five years records of the date, recipient name and address, and approximate amount of manure, litter or process wastewater transferred to another person.*

**Winter Manure Management:**

Application of manure during the winter period is not approved in the NMP.

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There are no liquid manure storages located on this operation and therefore no winter freeboard requirements that must be met by December 15<sup>th</sup> to implement the NMP.

**Manure Storage Facilities:**

Barn 1 is a high-rise barn and the manure is stored under the birds.

Manure from cage free Barn 2 is removed weekly and stored in the roofed storage area at the end of Barn 2. The dimensions of the storage area are 60' x 120' x 20' high with a storage area capacity of 3,960 tons.

**BMPs Applicable to the Chesapeake Bay TMDL:**

DEP has evaluated the information included in the application materials; as well as the effluent limitations, BMPs, and other requirements included in the draft permit. This would include the approved Act 38 compliant Nutrient Management Plan, which includes Best Management Practices to meet Pennsylvania nutrient and manure management regulations, as well as Nutrient Balance Sheets for manure importers, applicable manure storage and manure spreading setback requirements, and Emergency Response Plan. Applicable Conservation Plans and/or Agricultural Erosion & Sediment Control Plans were also evaluated, which includes Best Management Practices to meet Pennsylvania erosion and sediment control regulations.

The applicant is implementing the following BMPs within the production area:

- Manure Storage Facilities (Solid Manure kept in roofed storage)
- Mortality Management (Onsite Composting)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2023 to 2025 NMP.

Based upon this evaluation, DEP believes no additional BMPs will be required at this time to meet the goals and requirements of the Chesapeake Bay TMDL and to protect water quality criteria. This determination will be reevaluated through review of self-inspection reporting, annual reporting, and regular compliance inspections.

**Animal Mortality:**

The mortality is composted with layer manure in the solid storage area at the end of Barn 2. The compost is spread with the layer manure.

**Animal Concentration Areas (Chapter 102.4a):**

The operation does not have Animal Heavy Use Areas (AHUAs). The 10 ewes, 1 buck & 15 lambs are fenced in the area between the layer barns to keep the grass and weeds under control.

**Chapter 102 E&S (Conservation Plans):**

Conservation Plans have been included and verified to exist for land subjected to plowing and tilling activities. Some BMPs included in the plan are Conservation Crop Rotation, Grassed Waterway, Lined Waterway or Outlet, Nutrient Management, and Residue Management.

**Downstream Public Water Supplies:**

The nearest downstream public water supply intake is located 43 miles downstream on the Juniata River by the Newport Borough Water Authority in Newport Borough. This CAFO is not expected to adversely impact any public water supplies.

**Compliance History:**

There are no open violations for this operation.

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**Public Participation:**

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.