

Application Type

Renewal

Facility Type

CAFO

Permit Type

Individual

NPDES PERMIT FACT SHEET
CAFOs

Application No.

PA0266761

APS ID

966122

Authorization ID

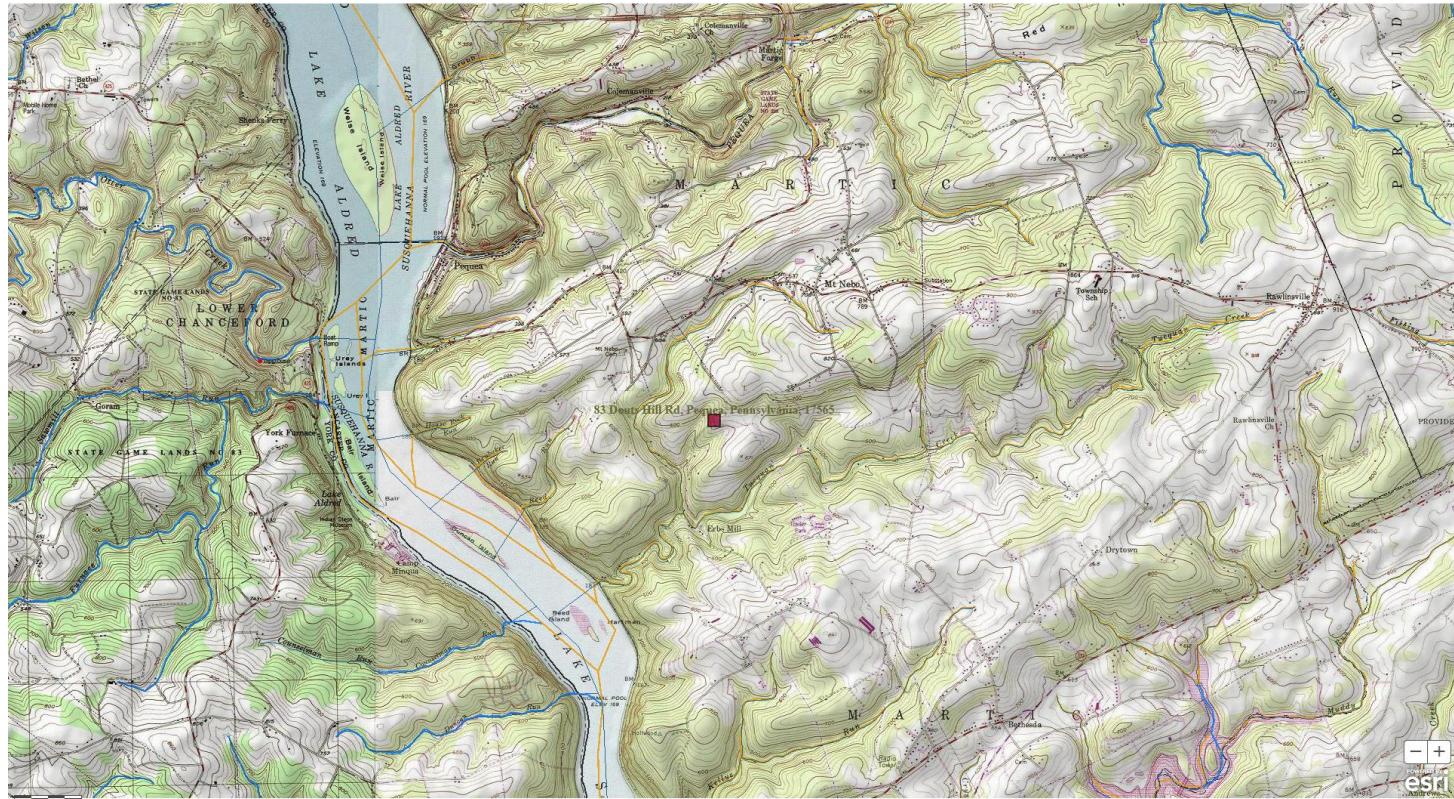
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Applicant and Facility Information

Applicant Name	Douglas Metzler	Farm Name	Douglas Metzler Poultry CAFO
Applicant Address	81 Douts Hill Road	Farm Address	83 Douts Hill Road
	Pequea, PA 17565-9747		Pequea, PA 17565-9747
Applicant Contact	Douglas Metzler	Farm Contact	Douglas Metzler
Applicant Phone	(717) 201-7905	Farm Phone	(717) 201-7905
Client ID	303852	Site ID	829588
SIC Code	0259	Municipality	Martic Township
SIC Description	Agriculture - Poultry And Eggs, Nec	County	Lancaster
Date Application Received	April 6, 2023	WQM Required	No
Date Application Accepted	April 10, 2023	WQM App. No.	N/A

Project Description

Douglas Metzler submitted an application for Individual CAFO permit renewal for his existing poultry operation.



Approve	Deny	Signatures	Date
X		Hans D. Shollenberger Hans D. Shollenberger / Project Manager	12/10/2024
X		Scott M Arwood Scott M. Arwood, P.E. / Environmental Engineer Manager	12/10/2024

NOTE: This permit is being redrafted to account for Animal Equivalent Unit increases in the 2025-2027 crop year NMP. The total days manure produced was increased for each animal type resulting in an increase of total AEUs from the previously drafted permit.

Description:

Douglas Metzler submitted an application for Individual CAFO permit renewal for his existing poultry operation located in Martic Township, Lancaster County. The operation has three layer barns and the following animal population:

Animal Type	Number	AEUs
Layer, breeder hen, white egg: 17-70 wk.	120,000	390.00
Layer, breeder rooster, white egg: 17-70 wk.	12,000	52.44
	Total AEUs =	442.44

The operation is considered a CAO for exceeding 8 AEUs while having an animal density exceeding 2 AEUs/Acre. The operation is considered a large CAFO for being a CAO that exceeds 300 AEUs and for exceeding the EPA large CAFO threshold of 82,000 laying hens when using a solid manure handling system.

The nearest receiving water to the operation is Tucquan Creek, designated as High Quality Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 7-K. This stream is impaired by Agriculture E. coli. Since the operation is 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 August 7, 2024, for crop years 2025, 2026, and 2027. There are 53.3 acres available on lands owned by the applicant for manure application according to the NMP, resulting in a density of 8.30 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Layers	2,000.0 tons	101.5 tons	2,000.0 tons

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
PA Ag Solutions Megan Kreider Broker [2060-MB2] 56 Creamery Road Pequea, PA 17565				Up to 2,000 tons Poultry (any season)

The following requirements have to 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 storage facilities located on this operation and therefore no minimum freeboards that must be met by December 15th of each year to implement the NMP.

Manure Storage Facilities:

There are three layer barns, each with their own underbarn solid manure storage. The storages are 66' x 600' x 6.5' with 237,600 ft³ of storage volume.

The operation also has a 60' x 96' roofed manure stacking Shed with a capacity of 54,000 ft³.

There are no proposed manure storages, no plans to field stack manure, and no planned alternative manure technology practices for this operation.

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 revised 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 Storages)
- Mortality Management (Composting)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2025 to 2027 NMP for this operation.

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

Animal Mortality:

Mortalities are composted in the compost shed using layer manure as the carbon and nitrogen source.

Animal Concentration Areas (Chapter 102.4a):

The operation does not have Animal Heavy Use Areas (AHUAs).

Chapter 102 E&S (Conservation Plans):

Agricultural Erosion & Sedimentation Control Plans have been included and verified to exist for land subjected to plowing and tilling activities. Some BMPs listed in the Douglas Metzler Agricultural E&S Plan include Conservation Crop Rotation, Residue Management, Cover Crop, Contour Farming, and Manure Management.

Downstream Public Water Supplies:

The nearest downstream public water supply intake is located over 5 miles downstream in Holtwood PA by the Holtwood Filter Plant PA Power. This operation is not expected to have any adverse impact on the public water supply.

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.