

Application Type New
Facility Type CAFO
Permit Type Individual

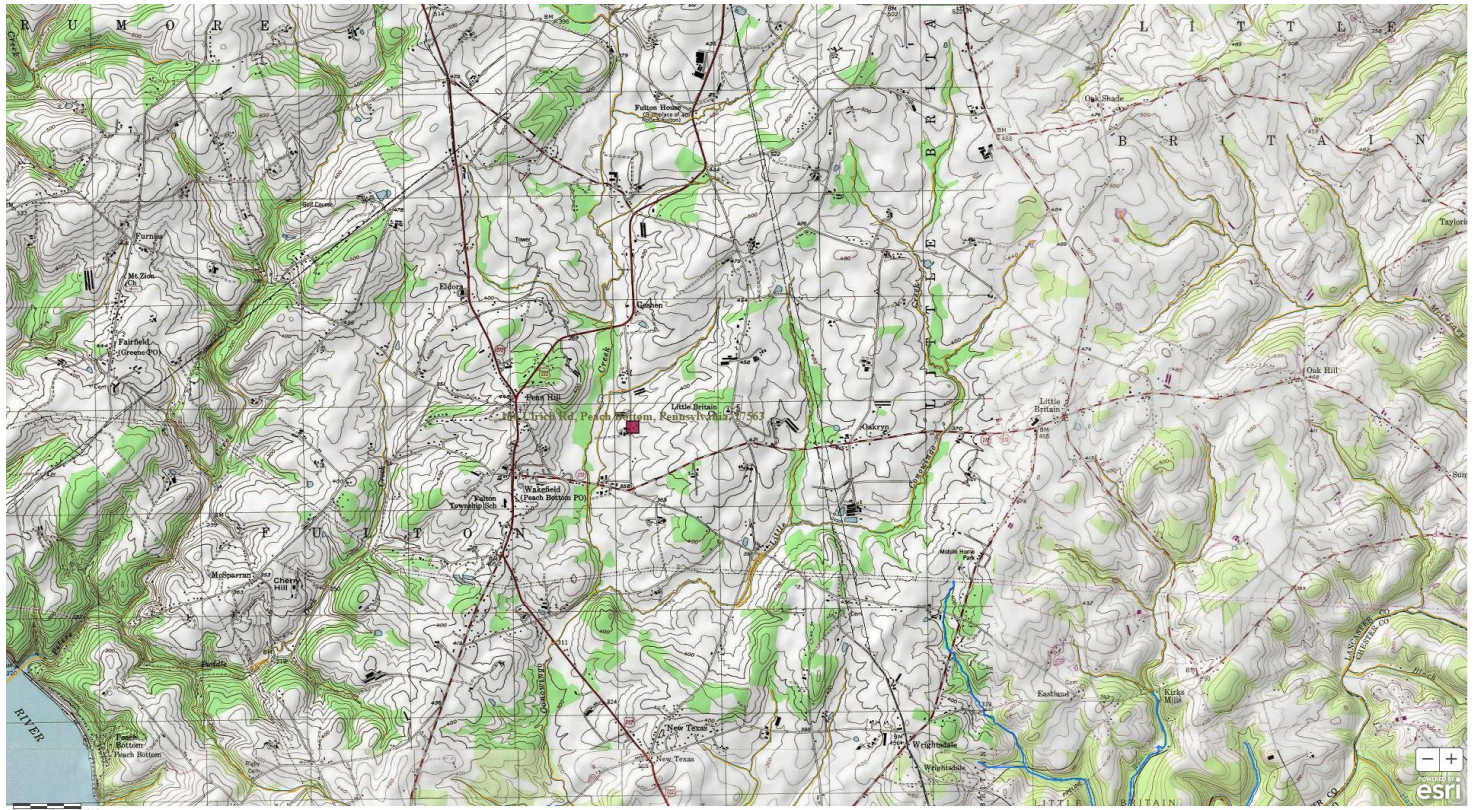
**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0294357
APS ID 1106335
Authorization ID 1470997

Applicant and Facility Information

Applicant Name	<u>Wilmer W Nolt</u>	Farm Name	<u>Nolt Farm Lot 166 Ulrich Rd</u>
Applicant Address	<u>166 Ulrich Road</u> <u>Peach Bottom, PA 17563-9613</u>	Farm Address	<u>166 Ulrich Road</u> <u>Peach Bottom, PA 17563-9613</u>
Applicant Contact	<u>Wilmer Nolt</u>	Farm Contact	<u>Wilmer Nolt</u>
Applicant Phone	<u>(717) 669-3768</u>	Farm Phone	<u>(717) 669-3768</u>
Client ID	<u>383451</u>	Site ID	<u>870299</u>
SIC Code	<u>0241,0259</u>	Municipality	<u>Fulton Township</u>
SIC Description	<u>Agriculture - Dairy Farms</u> <u>Agriculture - Poultry and Eggs, Nec</u>	County	<u>Lancaster</u>
Date Application Received	<u>January 25, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>February 1, 2024</u>	WQM App. No.	<u>N/A</u>

Project Description Wilmer W Nolt submitted an application for new Individual CAFO permit coverage for his existing duck operation.



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	February 6, 2024
X		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	2/6/2024

Description:

Wilmer W Nolt submitted an application for new Individual CAFO permit coverage for his existing duck operation located in Fulton Township, Lancaster County. The operation is not a CAO since the animal density is less than 2 AEUs/Acre. The operation is considered a large CAFO for exceeding the EPA large CAFO threshold of 5,000 ducks when using a wet manure handling system. The operation will have the following animal population:

Animal Type	Number	AEUs
Holstein Cow (Lactating & Dry)	90	128.91
Holstein Heifer: 1 -2 yr.	20	20.00
Holstein Calf: 0–1 yr.	20	8.40
Duck, finisher: 17-38 days	18,000	72.20
	Total AEUs =	229.51

The nearest receiving water to the concrete circular storage is Conowingo Creek, designated as Cold Water Fishes and Migratory Fishes (CWF, MF), located in Watershed 7-K. This stream is impaired by habitat modification and alterations as well as by agricultural nutrients and siltation.

The nearest receiving water to the Slurrystore is Tributary 07180 To Conowingo Creek, designated as High Quality-Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 7-K. This stream is impaired by habitat modification and alterations as well as agricultural siltation. Due to the HQ stream designation, the Department’s individual CAFO permit is appropriate for this operation.

Manure/Nutrient Management:

The current NMP was approved on January 3, 2024, for crop years 2024, 2025, and 2026. There are 260.2 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 0.88 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Dairy/Duck Pit Spring	1,000,000.0 gal	1,157,185.0 gal	0.0
Dairy/Duck Pit Fall	1,000,000.0 gal	1,151,325.0 gal	0.0
Heifer Liquid	50,000.0 gal	99,320.0 gal	0.0
Bedded Pack	150.0 tons	251.8 tons	0.0
Bedded Pack - uncollected	38.8 tons	39.4 tons	0.0

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
No manure is exported from this operation.				

No manure is exported from this operation. However, if the NMP were ever updated to include manure exportation, the following requirements would 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.

Manure storage facilities should have adequate freeboard on December 15th of each year to implement the NMP. The storages should have the following minimum winter freeboards by December 15th:

- Pit 1 Slurrystore: Minimum Freeboard 9ft
- Pit 3 Concrete Underbarn Storage: Minimum Freeboard 3.75ft

Manure Storage Facilities:

Storage	Type	Dimensions	Freeboard	Usable Capacity
<i>Name</i>	<i>Liquid or solid</i>	<i>ft</i>	<i>Minimum regulatory</i>	<i>Gallons or cubic feet</i>
Pit 1 Slurrystore	Liquid	101' x 20'	12 inches	1,138,000 gallons
Pit 2 Concrete Circular Storage (Not in Use)*	Liquid	70' x 12'	12 inches	316,000 gallons
Pit 3 Concrete Underbarn Storage	Liquid	100' x 8' x 8'	6 inches	42,000 gallons

***Pit 2 Concrete Circular storage is not currently in use but will still require a manure storage self-inspection form since it is not officially decommissioned.**

Solids stacking occurs on an improved AHUA/ACA lot maintained at the main farm location.

There are no proposed manure storages, no plans for infield manure stacking, 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 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
- Mortality Management (Composting)

NRCS Practice Code 393 Filter Strip is prescribed as a BMP in the approved 2024 to 2026 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:

Large mortalities are picked up. Small mortalities are composted in the bedded pack pile on the ACA. Duck mortality is handled under roof at HQ3 in one of the vacant chicken houses.

Animal Concentration Areas (Chapter 102.4a):

Animal Heavy Use Areas (AHUAs) are designated in the NMP, and will be managed according to the provisions of the NMP. Solids built up on the ACA are regularly scraped onto a pile on the ACA and stored there until loadout.

Chapter 102 E&S (Conservation Plans):

Agricultural E&S Plans have been included and verified to exist for land subjected to plowing and tilling activities.

Downstream Public Water Supplies:

The nearest public water supply intake is located over 6 miles downstream across the Pennsylvania/Maryland State Line. This operation is not expected to impact any public water supplies.

Compliance History:

The EPA performed a site visit on 05/31/2023 at Wilmer W. Nolt's operation which indicated the likely requirement for NPDES CAFO permit coverage. DEP performed a site inspection on 8/3/2023 to confirm the operation is a CAFO. Wilmer Nolt selected a Technical Service Provider (Homestead Nutrition - New Holland PA) and agreed to pursue consensual settlement and acquire an Individual NPDES CAFO permit. The COA agreement was signed during a Department visit to the operation on 8/29/2023. The individual CAFO permit application for new coverage was received by the Department on 1/25/2024. The COA will remain open until the permit coverage is in effect.

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.