

Application Type

New

Facility Type

CAFO

Permit Type

Individual

Application No.

PA0281905

APS ID

1123976

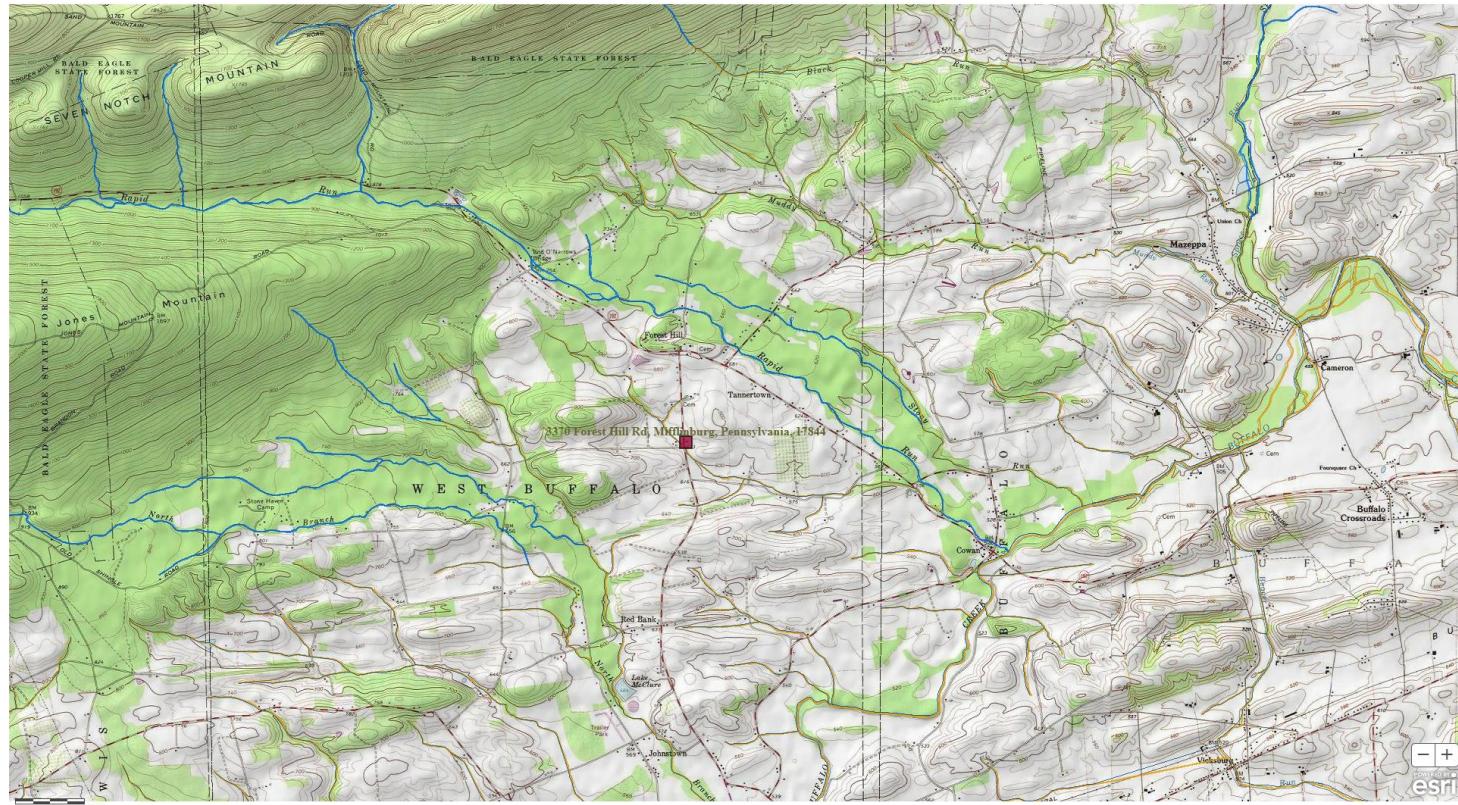
Authorization ID

1506449
 NPDES PERMIT FACT SHEET
CAFOs

Applicant and Facility Information

Applicant Name	Matthew Horning	Farm Name	Blue Lake Farm
Applicant Address	3370 Forest Hill Road	Farm Address	3370 Forest Hill Road
	Mifflinburg, PA 17844-7614		Mifflinburg, PA 17844-7614
Applicant Contact	Matthew Horning	Farm Contact	Matthew Horning
Applicant Phone	(570) 966-9230	Farm Phone	(570) 966-9230
Client ID	384679	Site ID	871454
SIC Code	0214, 0259	Municipality	West Buffalo Township
SIC Description	Agriculture - Poultry and Eggs, Nec Agriculture - Sheep and Goats	County	Union
Date Application Received	<u>October 15, 2024</u>	WQM Required	No
Date Application Accepted	<u>November 5, 2024</u>	WQM App. No.	N/A

Project Description
Matthew Horning submitted an Individual CAFO permit new coverage application for his existing poultry and mixed livestock operation.



Approve	Deny	Signatures	Date
<input checked="" type="checkbox"/>		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Project Manager	11/19/2024
<input checked="" type="checkbox"/>		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	11/19/2024

Description:

Matthew Horning submitted an Individual CAFO permit new coverage application for his existing poultry and mixed livestock operation located in Union County, West Buffalo Township. The operation will have the following animal population:

Animal Type	Number	AEUs
Layer, white egg: 18-75 wk.	84,000	226.90
Medium Breed Ewe	25	4.38
Meat Goat Doe	30	2.49
Pony Mature	3	1.80
Medium Breed Ram	1	0.23
Light Horse Mature	2	2.20
Medium Breed Lamb: 0-1 yr.	45	1.18
Beef Backgrounding Cattle	4	0.82
	Total AEUs =	240.00

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

The nearest receiving stream to the operation is an unnamed tributary to Rapid Run, designated for High-Quality Cold-Water and Migratory Fishes (HQ-CWF, MF), located in Watershed 10-C. The stream is impaired by agriculture E. coli and rural E. coli as well as by grazing in riparian or shoreline zones nutrients and siltation.

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 June 12, 2024, for crop years 2025, 2026, and 2027. There are 21.6 acres available on lands owned by the applicant for manure application according to the NMP, resulting in a density of 11.11 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Poultry	1,097.4 tons	9.3 tons	1,088.0 tons
sheep	28.1 tons	0.0	28.0 tons
sheep - uncollected	15.4 tons	15.4 tons	0.0
Goats	8.4 tons	0.0	10.0 tons
Goats - uncollected	10.8 tons	7.2 tons	0.0
ponies/horses	19.4 tons	0.0	27.6 tons
ponies/horses - uncollected	24.8 tons	24.8 tons	0.0
Field North pasture - Grazing	20.2 tons	20.2 tons	0.0
Field South pasture - Grazing	32.6 tons	32.6 tons	0.0
steers	1.8 tons	0.0	1.9 tons
steers - uncollected	5.5 tons	5.5 tons	0.0

NPDES Permit Fact Sheet
NPDES Permit No. PA0281905
Blue Lake Farm

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Brynn Bower 1604 Green Valley Road, Hughesville, PA 17737	622 tons Layer & 78 tons Sheep/Horse	0	0	0
Kelsey Bower 2836 Beaver Run Road, Hughesville, PA 17737	804 tons Layer	0	804 tons Layer	0
Elvin Stoltzfus 1535 Col. John Kelly Road, Lewisburg PA 17837	1,366 tons Layer	0	1,366 tons Layer	0

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.

There are no liquid manure storages on this operation and therefore no minimum required freeboards that must be met by December 15th of each year to implement the NMP.

Manure Storage Facilities:

Manure is stored in several locations. The three poultry houses all have under barn storages, with the older two houses having storages with dimensions 60' x 450' and capacity of 2,700 tons each. The new poultry house underbarn has dimensions 66' x 440' with a capacity of 2,700 tons. A separate manure stacking shed is present to the east of the poultry buildings with dimensions 60' x 72' x 6' deep and a capacity of 648 tons.

There are no proposed manure storage facilities, 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 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 Underbarns and Stacking Shed)

NPDES Permit Fact Sheet
NPDES Permit No. PA0281905
Blue Lake Farm

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 on the operation are placed in a dumpster and sent to a landfill.

Animal Concentration Areas (Chapter 102.4a):

There are no ACAs on this operation.

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 downstream public water supply intake is the Sunbury Municipal Authority, located 22 miles downstream on the Susquehanna River. This operation is not expected to adversely impact any public water supplies.

Compliance History:

There are no open violations for this operation.

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.