

Application Type

Renewal

Facility Type

CAFO

Permit Type

Individual

Application No.

PA0232475

APS ID

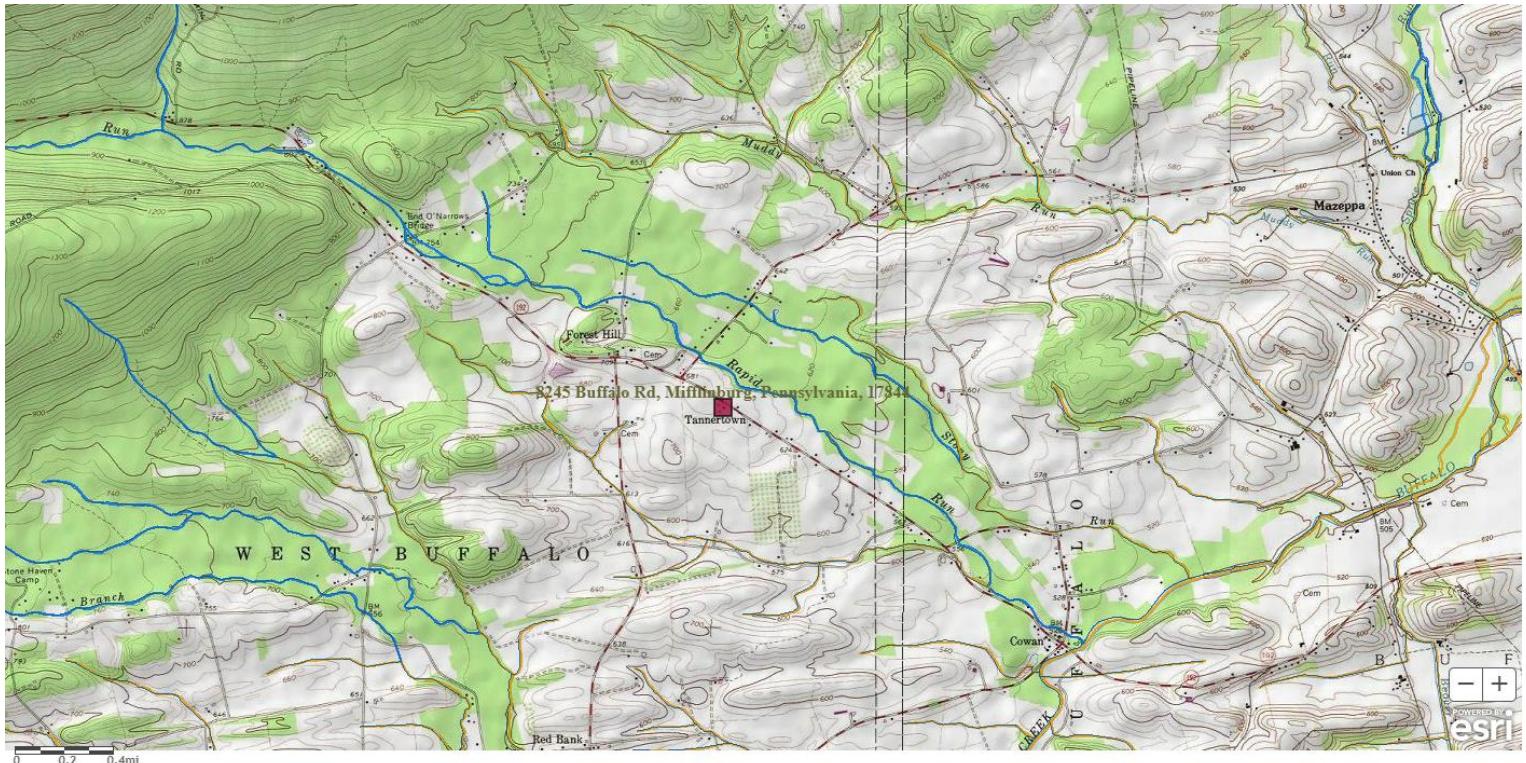
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Authorization ID

1503687
 NPDES PERMIT FACT SHEET  
CAFOs

## Applicant and Facility Information

Applicant Name	<u>Andrew A. Reiff</u>	Farm Name	<u>West Buffalo Township Swine Finishing Operation</u>
Applicant Address	<u>8245 Buffalo Road</u>	Farm Address	<u>8245 Buffalo Road</u>
	<u>Mifflinburg, PA 17844-7856</u>		<u>Mifflinburg, PA 17844-7856</u>
Applicant Contact	<u>Andrew Reiff</u>	Farm Contact	<u>Andrew Reiff</u>
Applicant Phone	<u>(570) 939-2082</u>	Farm Phone	<u>(570) 939-2082</u>
Client ID	<u>317801</u>	Site ID	<u>773512</u>
SIC Code	<u>0213</u>	Municipality	<u>West Buffalo Township</u>
SIC Description	<u>Agriculture - Hogs</u>	County	<u>Union</u>
Date Application Received	<u>September 17, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>October 23, 2024</u>	WQM App. No.	<u>N/A</u>
Project Description	Andrew A. Reiff submitted an application for individual NPDES CAFO permit renewal for his existing swine operation.		



Approve	Deny	Signatures	Date
<input checked="" type="checkbox"/>		<u>Hans D. Shollenberger</u> Hans D. Shollenberger / Project Manager	10/25/2024
<input checked="" type="checkbox"/>		<u>Scott M Arwood</u> Scott M. Arwood, P.E. / Environmental Engineer Manager	10/25/2024

**Description:**

Andrew A. Reiff submitted an application for individual NPDES CAFO permit renewal for his existing swine operation located in West Buffalo Township, Union County. The operation has the following animal population:

Animal Type	Number	AEUs
Swine grow finish: 10-28 wk.	4,800	750.77
	<b>Total AEUs =</b>	<b>750.77</b>

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 being a CAO that exceeds 300 AEUs and for exceeding the EPA large CAFO threshold of 2,500 swine each weighing 55 pounds or more.

The nearest receiving water to the operation is Rapid Run, designated as High Quality Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 10-C. This stream is not impaired by Department standards. 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 November 17, 2022, for crop years 2023, 2024, and 2025. There are 43.0 acres available on lands owned by the applicant for manure application according to the NMP, resulting in a density of 17.46 AEUs/acre.

**Manure Group Information:**

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Finishing Hogs - Fall	475,000.0 gal	0.0	301,500.0 gal
Compost	10.0 tons	16.5 tons	0.0
Finishing Hogs - Spring	475,000.0 gal	188,700.0 gal	475,000.0 gal

**Exported Manure:**

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Abram Zimmerman 600 Conley Road Mifflinburg, PA 17844	72,600 gallons Swine	0	264,400 gallons Swine	0
Mervin Miller 41 Shady Lane Mifflinburg, PA 17844	0	0	275,000 gallons Swine	0
Michael Ebersole 2415 Centennial Road Mifflinburg, PA 17844	190,000 gallons Swine	0	0	0
Matt Everitt 8010 Buffalo Road Mifflinburg PA 17844	95,800 gallons Swine	0	0	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.

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**Winter Manure Management:**

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

The swine underbarn storage should have a minimum freeboard of 1.80ft by December 15<sup>th</sup> of each year to implement the NMP. This allows for the 1.3ft of storage needed over the winter period and the 0.5ft of minimum required freeboard at all times.

**Manure Storage Facilities:**

<b>Storage</b>	<b>Type</b>	<b>Dimensions</b>	<b>Freeboard</b>	<b>Usable Capacity @ Freeboard</b>
<i>Name</i>	<i>Liquid or solid</i>	<i>Ft x ft</i>	<i>Minimum regulatory</i>	<i>Gallons or cubic feet</i>
Swine Underbarn Storage	Liquid	501' x 81' x 5'	0.5 ft	1,330,023 gallons

There is a roofed compost facility with dimensions 60ft long by 12ft wide located on the south side of the existing swine barn.

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 (Swine Underbarn Storage)
- Mortality Management (Composting)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2023 to 2025 NMP. However, the BMP implementation summary does list a concrete pad for the compost building with an implementation timeframe of Summer 2023.

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:**

Swine mortalities are composted onsite in the roofed mortality composting shed.

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

There are no ACAs on this operation.

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

Conservation plans have been included and verified to exist for land subjected to plowing and tilling activities.

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**Downstream Public Water Supplies:**

There is a Community Public Water Supply System, D&H Trailer Park, approximately 12.5 miles downstream. This operation is not expected to have adverse impacts on the public water supply.

**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.