

Application Type Renewal
Facility Type CAFO
Permit Type Individual

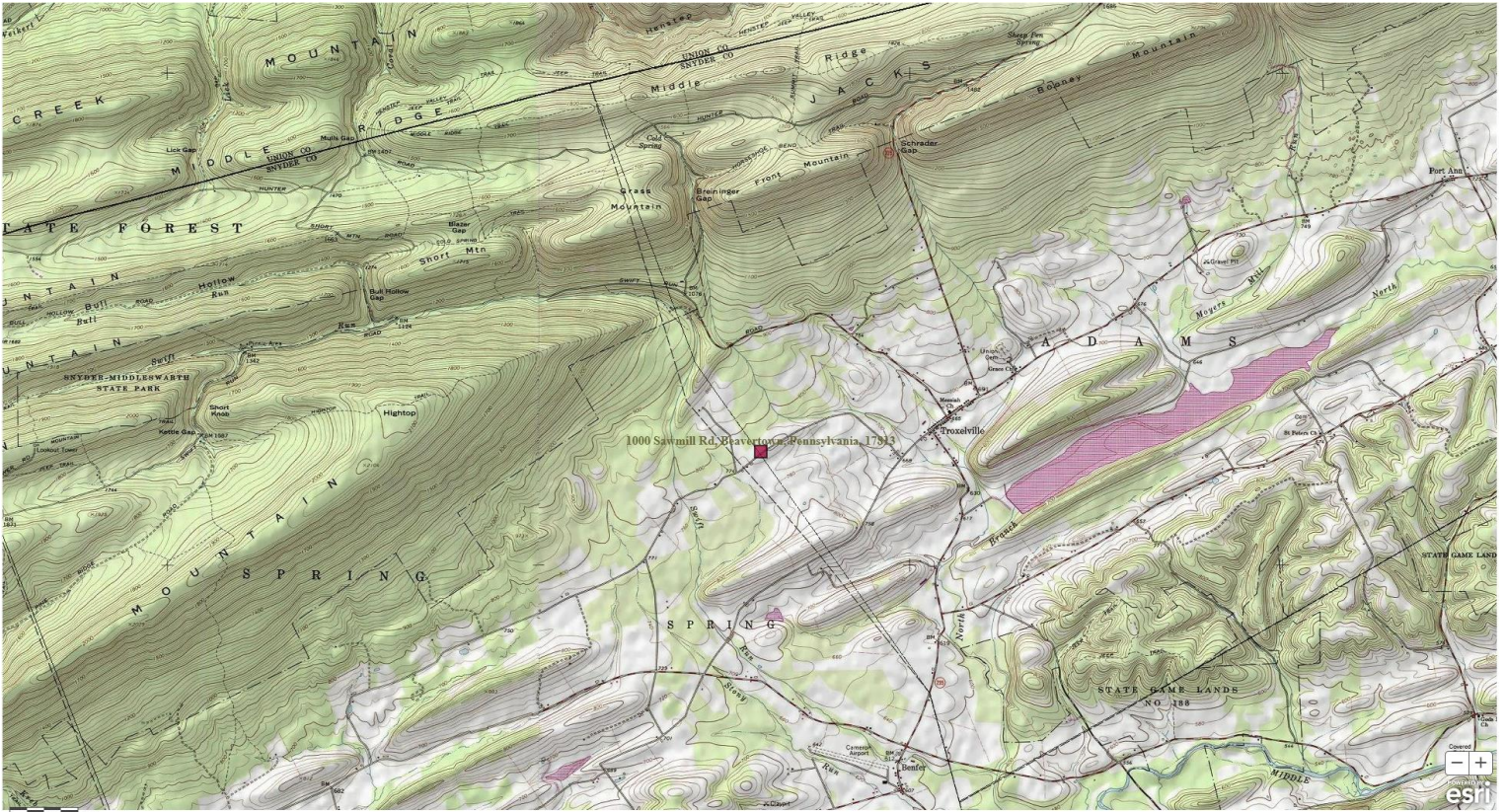
**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0281727
APS ID 537165
Authorization ID 1467498

Applicant and Facility Information

Applicant Name	<u>Hamilton Farm LLC</u>	Farm Name	<u>Hamilton Farm LLC CAFO</u>
Applicant Address	<u>10049 Ferguson Valley Road</u> <u>Lewistown, PA 17044-8601</u>	Farm Address	<u>1000 Sawmill Road</u> <u>Beavertown, PA 17813</u>
Applicant Contact	<u>Drew Derstein</u>	Farm Contact	<u>Drew Derstein</u>
Applicant Phone	<u>(717) 248-5172</u>	Farm Phone	<u>(717) 248-5172</u>
Client ID	<u>236615</u>	Site ID	<u>548263</u>
SIC Code	<u>0213</u>	Municipality	<u>Adams Township</u>
SIC Description	<u>Agriculture - Hogs</u>	County	<u>Snyder</u>
Date Application Received	<u>January 5, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>January 10, 2024</u>	WQM App. No.	<u>N/A</u>

Project Description Hamilton Farm LLC submitted an application for Individual CAFO permit renewal for their existing swine operation.



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	3/13/2024
X		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	03/14/2024

Description:

Hamilton Farm LLC submitted an application for Individual CAFO permit renewal for their existing swine operation located in Adams Township, Snyder County. The operation has one 5,400 head swine finishing barn with underbarn reception pit that gravity flows to an HDPE Lined Lagoon. 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’s large CAFO threshold of 2,500 swine each weighing 55 pounds or more.

The operation has the following animal population:

Animal Type	Number	AEUs
Swine grow finish: 10-28 wk.	5,400	805.56
	Total AEUs =	805.56

The nearest receiving water to the operation is Tributary 17904 of North Branch Middle Creek, designated as Cold Water Fishes and Migratory Fishes (CWF, MF), located in Watershed 6-A. This stream is impaired by agriculture siltation and by pathogens of an unknown source.

Another receiving water to this operation is Tributary 17893 to Swift Run, designated as High Quality-Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 6-A. This stream is not impaired by Department Standards. The Department’s Individual CAFO permit is appropriate for this operation due to being located in a High-Quality watershed.

Manure/Nutrient Management:

The current NMP was approved on July 5, 2023, for crop years 2024, 2025, and 2026. There are 0 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 805.56 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Fall Applied Liquid Swine	1,500,000.0 gal	0.0	1,500,000.0 gal
Spring Applied Liquid Swine	1,500,000.0 gal	0.0	1,500,000.0 gal
Mortality Compost	35.0 tons	0.0	35.0 tons

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Michael Reich 2935 Creek Road, Beavertown, PA 17813	35 tons Compost & 1,000,000 gal Swine	200,000 gal Swine	250,000 gal Swine	250,000 gal Swine
Josh & Joe Heeter 2500 Sawmill Road, Beavertown, PA 17813	150,000 gal Swine	0	150,000 gal Swine	0
David Woodling 93 Regal Wood Lane, Beavertown, PA 17813	700,000 gal Swine	200,000 gal Swine	700,000 gal Swine	0
Amos Hoover 10085 PA Rt 234, Beavertown, PA 17813	150,000 gal Swine	0	300,000 gal Swine	150,000 gal Swine

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.

Manure storage facilities should have adequate freeboard on December 15th to implement the NMP. The HDPE-Lined Lagoon must have a minimum freeboard of 4'1" by December 15th of each year to implement the NMP. This will allow for 904,219 gallons of storage in the HDPE-Lined storage over the 76-day winter period.

Manure Storage Facilities:

Storage	Type	Dimensions	Freeboard	Usable Capacity @ Freeboard
<i>Name</i>	<i>Liquid or solid</i>	<i>Ft x ft</i>	<i>Minimum regulatory</i>	<i>Gallons or cubic feet</i>
HDPE-Lined Lagoon	Liquid	150' x 305' x 12'	1 ft	2,655,244 gallons

The swine barn has slatted floors above a pull plug gravity flow reception pit system that flows to the HDPE-Lined Lagoon. The underbarn reception pit system has dimensions 830' x 47' x 2' with a usable capacity of 583,589 gallons.

While the HDPE-Lined Lagoon exceeds 2.5 MG of usable storage, a WQM permit is not required for this operation since the storage was constructed in 1993, prior to October 22, 2005. Any manure storage modifications or expansions on this operation moving forward will require a WQM permit.

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 (HDPE Lagoon)
- Mortality Management (Composting)

There are no NRCS Practice Codes prescribed as BMPs 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:

Mortalities are composted with sawdust in a 50' x 30' hoop structure. Approximately 35 tons of mortality compost is generated annually.

Animal Concentration Areas (Chapter 102.4a):

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

Chapter 102 E&S (Conservation Plans):

An agricultural E&S plan is not applicable to this operation, as there are no lands available for manure application and no AHUAs. The existence of E&S plans for importers was confirmed.

Downstream Public Water Supplies:

The nearest downstream public water supply intake is Suez Water, located 68 miles downstream in Susquehanna Township, PA. This operation is not expected to 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.