

Application Type New
Facility Type CAFO
Permit Type Individual

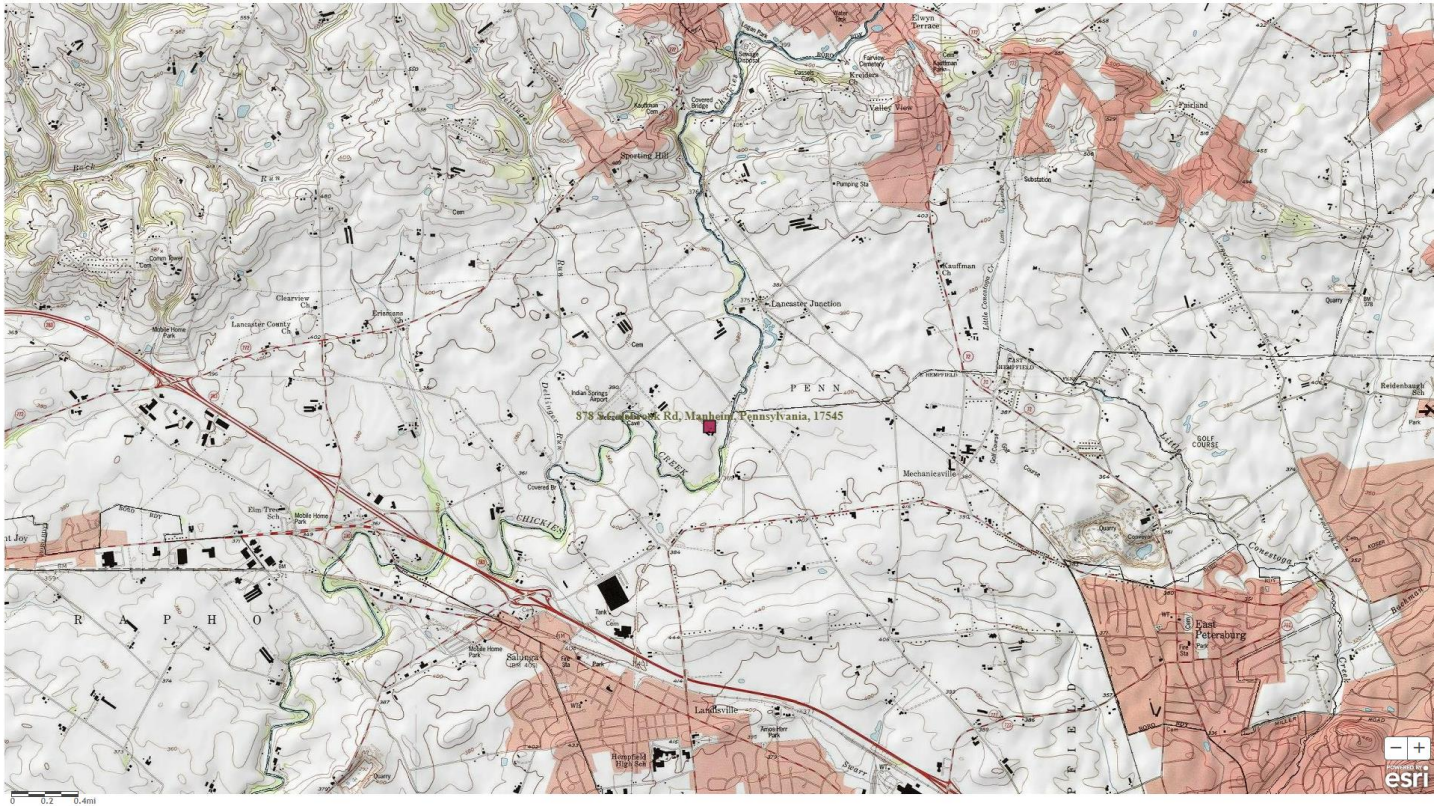
**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0294110
APS ID 1089067
Authorization ID 1440831

Applicant and Facility Information

Applicant Name	<u> Kevyn Musser </u>	Farm Name	<u> Kevyn Musser Farm CAFO </u>
Applicant Address	<u> 878 S Colebrook Road </u> <u> Manheim, PA 17545-8676 </u>	Farm Address	<u> 878 S Colebrook Road </u> <u> Manheim, PA 17545-8676 </u>
Applicant Contact	<u> Kevyn Musser </u>	Farm Contact	<u> Kevyn Musser </u>
Applicant Phone	<u> (717) 278-7938 </u>	Farm Phone	<u> (717) 278-7938 </u>
Client ID	<u> 377382 </u>	Site ID	<u> 864878 </u>
SIC Code	<u> 0213 </u>	Municipality	<u> Rapho Township </u>
SIC Description	<u> Agriculture - Hogs </u>	County	<u> Lancaster </u>
Date Application Received	<u> May 18, 2023 </u>	WQM Required	<u> No </u>
Date Application Accepted	<u> May 24, 2023 </u>	WQM App. No.	<u> N/A </u>

Project Description Kevyn Musser submitted an application for new CAFO permit coverage for his expanding swine operation.



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	August 9, 2023
X		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	8/10/2023

Description:

Kevyn Musser submitted an application for new CAFO permit coverage for his expanding swine operation located in Rapho Township, Lancaster County. The operation has 2 existing swine barns and is proposing to construct a third barn. 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's large CAFO threshold of 2,500 swine weighing 55 pounds or more. This operation is proposing to have the following animal population:

Animal Type	Number	AEUs
Swine grow finish: 10–28 wk.	5,200	810.99
	Total AEUs =	810.99

The nearest receiving water is Chickies Creek, designated as Warm Water Fishes and Migratory Fishes (WWF, MF), located in Watershed 7-G. This stream is impaired by agriculture siltation, urban runoff/storm sewers siltation, and by pathogens of an unknown source. While the operation is not located in a High Quality Watershed, the operation must apply for an individual CAFO permit since the PAG12 is currently administratively extended.

Manure/Nutrient Management:

The current NMP was approved on May 3, 2023, for crop years 2024, 2025, and 2026. There are 177.1 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 4.58 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Finishing Swine	2,072,070.0 gallons	543,940.0 gallons	1,528,130.0 gallons
Mortality Compost	50.0 tons	51.6 tons	0.0

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Derlyn Musser 742 South Colebrook Road Manheim, PA 17545	197,710 gallons Swine	0	197,710 gallons Swine	0
Nathan Buckwalter 1135 Mill Road Manheim, PA 17545	0	0	240,000 gallons Swine	0
David Bollinger 2300 Junction Road Manheim, PA 17545	519,900 gallons Swine	0	519,900 gallons Swine	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.

Manure storage facilities should have adequate freeboard on December 15th of each year to implement the NMP. Swine Underbarn Storages 1, 2, and 3 should have 2.4 ft of freeboard by December 15th of each year.

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>
Swine Underbarn Storage 1	Liquid	40' x 180' x 6'	6"	296,208 gallons
Swine Underbarn Storage 2	Liquid	51.5' x 225' x 6'	6"	476,709 gallons
Swine Underbarn Storage 3 (Proposed)	Liquid	101.5' x 225' x 6'	6"	939,534 gallons

There are no planned alternative manure technology practices and no in-field manure stacking procedures 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 (Liquid Swine Underbarns)
- Mortality Management (Composting Onsite)

NRCS Practice Codes prescribed as BMPs in the approved 2024 to 2026 NMP include Waste Storage Facility 313 and Storm Water Basin.

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:

The mortalities will be composted onsite in a pile using straw and woodchips.

Animal Concentration Areas (Chapter 102.4a):

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

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. Some BMPs included in the Kevyn Musser E&S plan are Conservation Crop Rotation (328), Nutrient Management/Manure Management, Residue and Tillage Management, No-Till/Strip Till/Direct Seed (329), Waste Storage Facility – Liquid Underbarn (313), and Riparian Forest Buffer (391).

**NPDES Permit Fact Sheet
NPDES Permit No. PA0294110
Kevyn Musser Farm CAFO**

Downstream Public Water Supplies:

The nearest downstream public water supply intake is located over 18 miles downstream on the Susquehanna River by the Wrightsville Borough Municipal Authority. 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.