

Application Type Renewal
Facility Type CAFO
Permit Type Individual

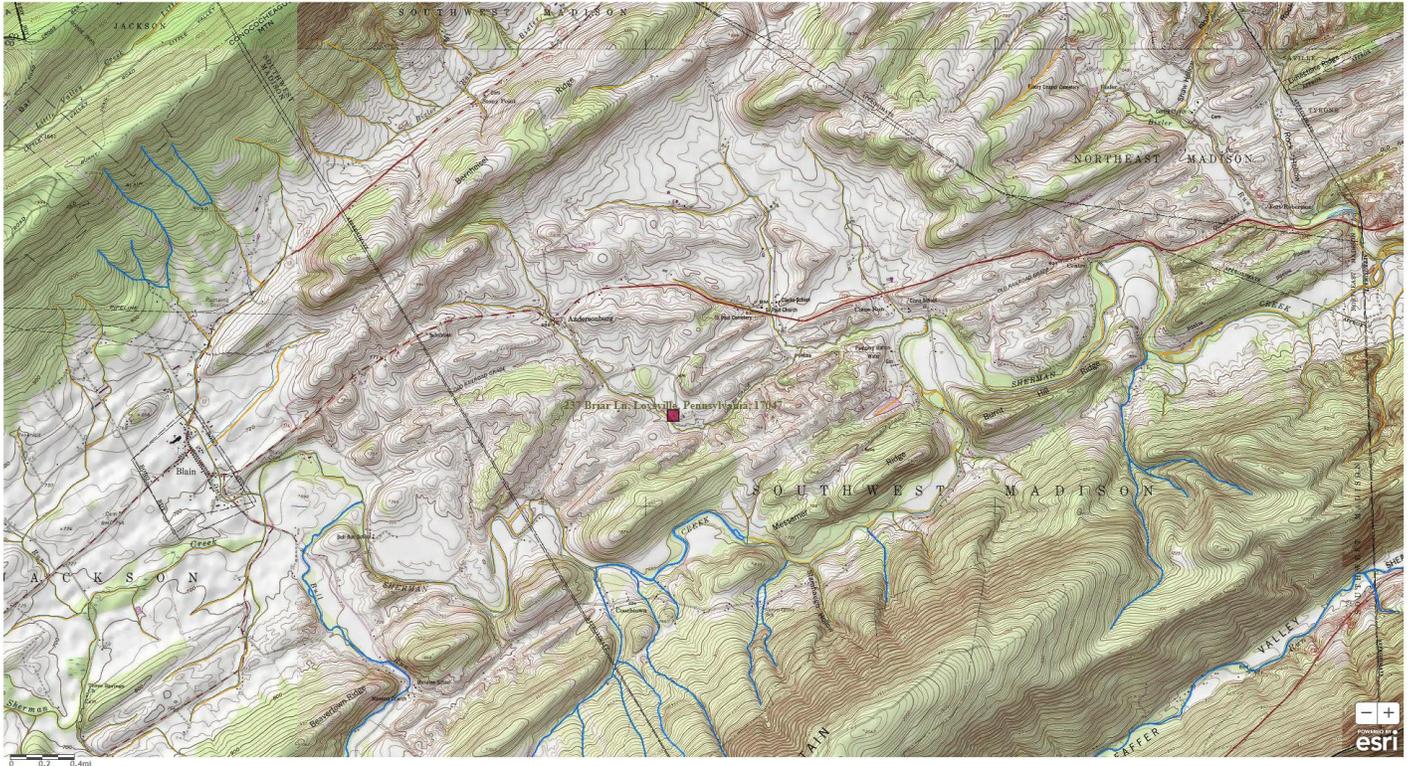
**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0265934
APS ID 842447
Authorization ID 1481160

Applicant and Facility Information

Applicant Name	<u>David S. Morrow</u>	Farm Name	<u>David S. Morrow Farm CAFO</u>
Applicant Address	<u>237 Briar Lane</u> <u>Loysville, PA 17047-9154</u>	Farm Address	<u>237 Briar Lane</u> <u>Loysville, PA 17047-9154</u>
Applicant Contact	<u>David Morrow</u>	Farm Contact	<u>David Morrow</u>
Applicant Phone	<u>(717) 536-3659</u>	Farm Phone	<u>(717) 536-3659</u>
Client ID	<u>312135</u>	Site ID	<u>783123</u>
SIC Code	<u>0212, 0213</u>	Municipality	<u>Southwest Madison Township</u>
SIC Description	<u>Agriculture - Beef Cattle, Except Feedlots,</u> <u>Agriculture - Hogs</u>	County	<u>Perry</u>
Date Application Received	<u>April 17, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>July 31, 2024</u>	WQM App. No.	<u>N/A</u>

Project Description David S. Morrow submitted an application for Individual CAFO permit renewal for his existing Swine and Beef operation.



Approve	Deny	Signatures	Date
x		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Project Manager	07/31/2024
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	07/31/2024

Description:

David S. Morrow submitted an application for Individual CAFO permit renewal for his existing swine and beef operation located in Southwest Madison Township, Perry County. The operation has two swine barns and 1 beef barn. On a typical day the operation will have the following animals:

Animal Type	Number	AEUs
Swine grow finish: 10-28 wk.	4,600	632.15
Beef Cow	15	21.00
Beef Calf: 0-8 mo.	15	4.50
	Total AEUs =	657.65

This operation is not considered a CAO since the animal density does not exceed 2 AEUs/Acre. The operation is considered a large CAFO for exceeding the EPA's large CAFO threshold of 2,500 swine each weighing 55 pounds or more.

The nearest potential receiving stream is Tributary 11242 To Sherman Creek (Cisna Run), designated for High Quality-Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 7-A. This stream is impaired by Grazing in Riparian or Shoreline Zones - Nutrients and Siltation as well as by Agriculture Pathogens. Since the operation is located in a High Quality watershed, the Department's Individual CAFO permit is appropriate.

Manure/Nutrient Management:

The current NMP was approved on August 8, 2022, for crop years 2023, 2024, and 2025. There are 419.9 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 1.57 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Spring Swine	600,000.0 gal	606,080.0 gal	0.0
Fall Swine	600,000.0 gal	601,715.0 gal	0.0
Spring Cow/Calf	80.0 tons	77.0 tons	0.0
Spring Cow/Calf - uncollected	124.3 tons	285.9 tons	0.0
Fall Cow/Calf	50.0 tons	57.3 tons	0.0
Fall Cow/Calf - uncollected	162.0 tons	0.0	0.0
Imported Trouts Liquid Dairy	1,356,390.0 gal	1,356,390.0 gal	0.0

Exported Manure:

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

If the operation were to ever update their NMP to include manure exportation, the following requirements would then need 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. Below are the minimum freeboards that must be available on December 15th:

Storage	Minimum Freeboard on December 15th
Hog Underbarn 1	1.6 ft
Hog Underbarn 2	1.6 ft

Manure Storage Facilities:

The operation has the following existing manure storages:

Storage	Type	Dimensions	Freeboard	Usable Capacity
<i>Name</i>	<i>Liquid or solid</i>	<i>Feet x feet x feet</i>	<i>Minimum regulatory</i>	<i>Gallons or cubic feet</i>
Hog Underbarn 1	Liquid	80' x 220'x 5'	0.5 ft	592,000 gal
Hog Underbarn 2	Liquid	80' x 250' x 5'	0.5 ft	673,200 gal

Steer manure is kept in the barn and only cleaned out in the Spring and Fall.

There are no proposed manure storage facilities for this operation and no planned alternative manure technology practices.

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 (Concrete Underbarn Storages)
- Mortality Management (Composting)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2023 to 2025 NMP for this operation.

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 on site in bins to the east end of Swine Barn 1.

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.

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:

There is a transient noncommunity water supply at the New Birth of Freedom Council BSA reservation approximately 8.4 miles downstream on Sherman's Creek. This facility is not expected to adversely impact any 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.