

Application Type Renewal
Facility Type CAFO
Permit Type Individual

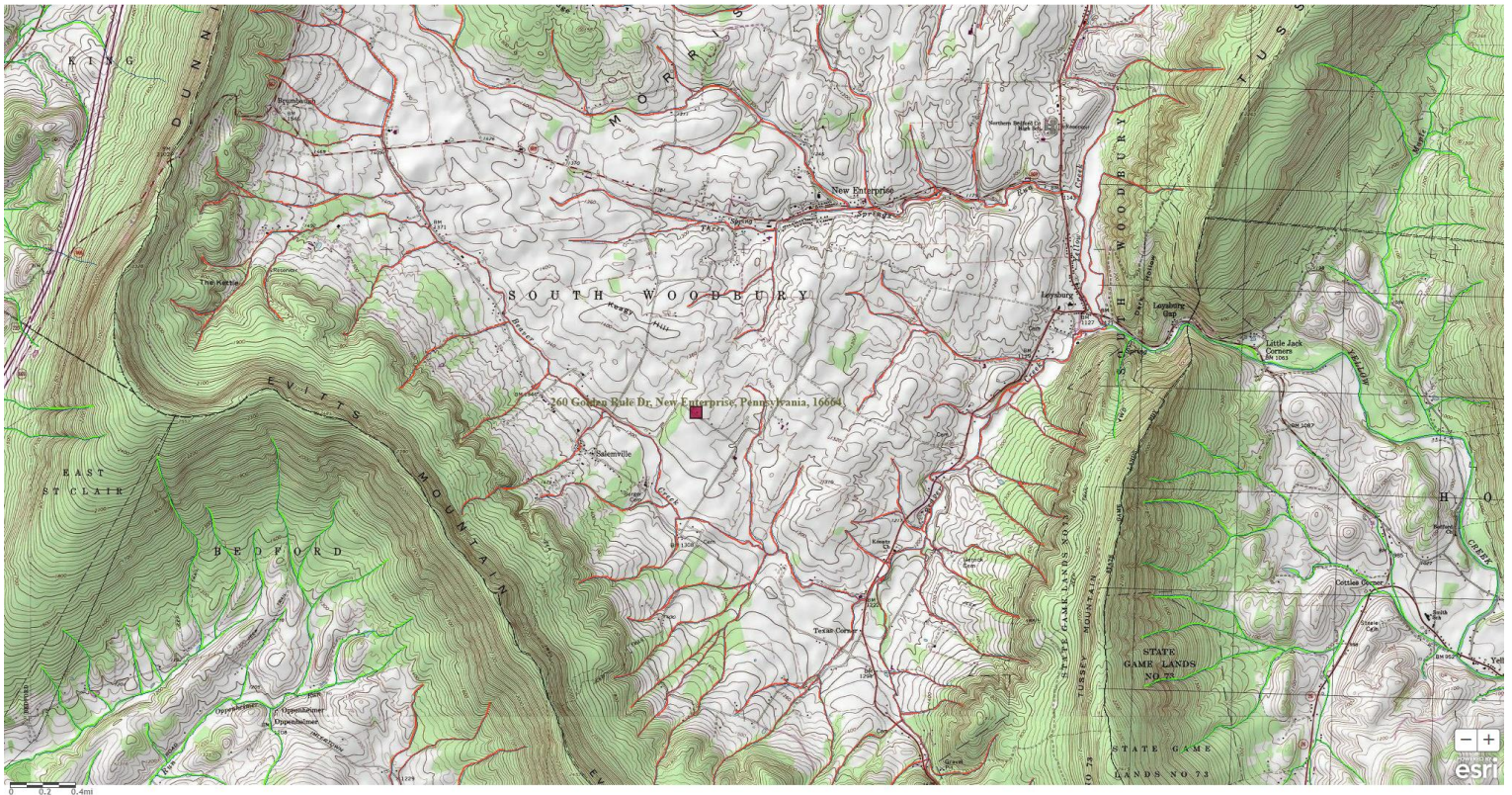
**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0260053
APS ID 601501
Authorization ID 1403792

Applicant and Facility Information

Applicant Name	<u>Jason S Zimmerman</u>	Farm Name	<u>Jason Zimmerman Farm CAFO</u>
Applicant Address	<u>260 Golden Rule Drive</u> <u>New Enterprise, PA 16664-8701</u>	Farm Address	<u>260 Golden Rule Drive</u> <u>New Enterprise, PA 16664-8701</u>
Applicant Contact	<u>Jason Zimmerman</u>	Farm Contact	<u>Jason Zimmerman</u>
Applicant Phone	<u>814-766-2131</u>	Farm Phone	<u>814-766-2131</u>
Client ID	<u>253023</u>	Site ID	<u>682404</u>
SIC Code	<u>0213,0241</u>	Municipality	<u>South Woodbury Township</u>
SIC Description	<u>Agriculture - Hogs</u>	County	<u>Bedford</u>
Date Application Received	<u>July 21, 2022</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>July 26, 2022</u>	WQM App. No.	<u>N/A</u>

Project Description Jason Zimmerman has submitted for renewal of his NPDES CAFO permit for his existing swine and beef operation.



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	July 25, 2023
X		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	7/25/2023

Description:

Jason Zimmerman Farm CAFO is an existing swine and beef operation located in New Enterprise, Bedford County, PA. Jason Zimmerman has submitted a renewal application for his CAFO that was received by the Department on July 21, 2022. The operation is a CAO for exceeding 8 AEUs while having an animal density exceeding 2 AEUs/Acre. The operation is considered a large CAFO for exceeding the EPA large CAFO threshold of 2,500 swine weighing 55 pounds or more and for being a CAO that exceeds 300 AEUs. Due to being located in a High-Quality (HQ) watershed, the Department's Individual CAFO permit is required for this operation. The operation has 1 swine barn and the following animal population:

Animal Type	Number	AEUs
Beef Finishing: 8-24 mo.	20	19.00
Swine wean to finish: 3-28 wk.	3,000	429.00
Nursery Pig: 3-10 wk.	2,000	70.00
	Total AEUs =	518.00

The nearest potential receiving stream is Beaver Creek, designated for High-Quality Cold-Water and Migratory Fishes (HQ-CWF, MF), located in Watershed 11-D. The stream is impaired by agriculture nutrients and siltation.

Manure/Nutrient Management:

The current NMP was approved on December 2, 2020, for crop years 2021, 2022, and 2023. There are 33.2 acres available on lands owned by the applicant for manure application according to the NMP, resulting in a density of 15.60 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Swine Fall	1,398,000.0 gal	0.0	0.0
Swine Spring	880,000.0 gal	199,200.0 gal	0.0
Beef	60.0 tons	108.0 tons	0.0
Beef - uncollected	62.8 tons	63.8 tons	0.0

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Marshall Metzler 261 Pleasant View Farms Lane Martinsburg, PA 16662	1,500,000 gallons	0	1,000,000 gallons	1,000,000 gallons

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 15 to implement the NMP. The HDPE-Lined Lagoon will be maintained such that there will be at least 5.5' of freeboard on December 15th. This will allow for the 4.5' of storage space needed over winter and the 1' of emergency freeboard required at all times.

Manure Storage Facilities:

Storage	Type	Dimensions	Freeboard	Usable Capacity @ Freeboard
<i>Name</i>	<i>Liquid or solid</i>	<i>Feet</i>	<i>Minimum regulatory</i>	<i>Gallons</i>
HDPE-Lined Lagoon	Liquid	150' x 150' x 10'	1 ft	1,024,587 gallons

All of the liquid swine manure flows from the shallow pits located under the swine barn's slatted floor to the HDPE-Lined Lagoon.

The HDPE-Lined Lagoon constructed in 1995 was most recently PE certified by Matthew D. Brubaker (PE074213) on 8/16/2022. The lagoon does not have a leak detection system or perimeter drain.

There are no new manure storages proposed for this operation. There is no in-field manure stacking on 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. Required 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-Lined Lagoon)
- Mortality Management (Composting)

No additional BMPs are prescribed by the applicant within the approved Nutrient Management Plan.

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 quarterly self-inspection reporting, annual reporting, and regular compliance inspections.

Animal Mortality:

Mortality is composted on site in composting bins on the north side of the barn.

Animal Concentration Areas (Chapter 102.4a):

The operation does not have Animal Heavy Use Areas (AHUAs). There is pasture on the west side of the barn that stretches down near the road and the client's home. Half of the beef group has access to the pasture area during the grazing season.

Chapter 102 E&S (Conservation Plans):

Agricultural E&S and Conservation 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 Saxton Borough Municipal Water Authority, located 25 miles downstream on the Raystown Branch of the Juniata River in Saxton, PA. This operation is not expected to impact any public water supply intakes.

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.