

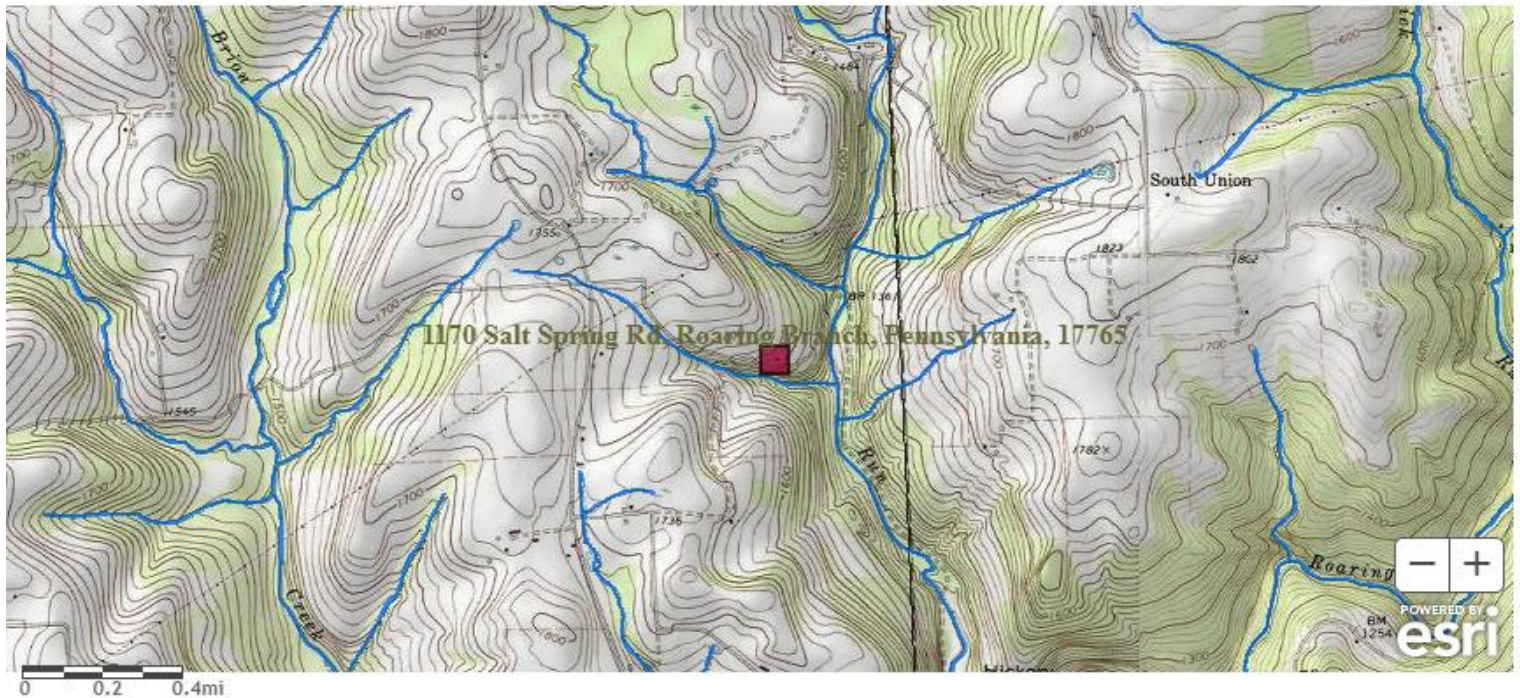
Application Type Renewal
Facility Type CAFO
Permit Type Individual

NPDES PERMIT FACT SHEET CAFOs

Application No. PA0233846
APS ID 694939
Authorization ID 1494137

Applicant and Facility Information

Applicant Name	<u>Drew E Remley</u>	Farm Name	<u>Remley Hog & Beef LLC</u>
Applicant Address	<u>623 Harer Road</u> <u>Roaring Branch, PA 17765-8829</u>	Farm Address	<u>1170 Salt Spring Road</u> <u>Roaring Branch, PA 17765-8824</u>
Applicant Contact	<u>Drew Remley</u>	Farm Contact	<u>Drew Remley</u>
Applicant Phone	<u>(570) 324-6739</u>	Farm Phone	<u>(570) 324-6739</u>
Client ID	<u>273470</u>	Site ID	<u>721988</u>
SIC Code	<u>0211,0213</u>	Municipality	<u>Liberty Township</u>
SIC Description	<u>Agriculture - Beef Cattle Feedlots</u> <u>Agriculture - Hogs</u>	County	<u>Tioga</u>
Date Application Received	<u>July 31, 2024</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>November 12, 2024</u>	WQM App. No.	<u>5917201</u>
Project Description	<u>Drew E Remley submitted an Individual CAFO permit renewal application for his existing swine and beef operation.</u>		



Approve	Deny	Signatures	Date
x		Hans D. Shollenberger Hans D. Shollenberger / Project Manager	11/14/2024
x		Scott M Arwood Scott M. Arwood, P.E. / Environmental Engineer Manager	11/14/2024

Description:

Drew E Remley submitted an Individual CAFO permit renewal application for his existing swine and beef operation located in Tioga County, Liberty Township. The operation has four farmsteads and the following animal population:

Animal Type	Number	AEUs
Swine grow finish: 10–28wk.	8,720	1,367.85
Nursery pig: 3–10 wk.	9,600	293.66
Beef Cow	40	56.00
Beef Finishing: 8–24 mo.	8	7.60
Beef Calf: 0–8 mo.	40	8.05
Beef Replacement Heifer: 8 mo.-1 yr.	10	5.00
Beef Replacement Heifer: 1-2 yr.	12	10.50
	Total AEUs =	1,748.66

The 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 1,000 AEUs and for exceeding the EPA large CAFO threshold of 2,500 swine each weighing 55 pounds or more.

The nearest receiving stream to the swine finishing barns, digester, and concrete circular storage is an unnamed Tributary to Salt Spring Run, designated for High-Quality Cold-Water and Migratory Fishes (HQ-CWF, MF), located in Watershed 10-A. The stream is not impaired by Department standards.

The nearest receiving stream to the Nursery Barn is an unnamed Tributary to Brion Creek, designated for High-Quality Cold-Water and Migratory Fishes (HQ-CWF, MF), located in Watershed 10-A. The 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 September 21, 2023, for crop years 2024, 2025, and 2026. There are 1,013.5 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 1.73 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Liquid Finishing Swine	2,548,000.0 gal	4,306,100.0 gal	974,400.0 gal
Liquid Nursery Swine	1,040,000.0 gal	873,500.0 gal	646,800.0 gal
Cow/Calf Bedded Pack Fall - uncollected	580.7 tons	580.7 tons	0.0
Cow/Calf Bedded Pack Spring	694.9 tons	1,345.0 tons	0.0
Steer/Heifer Bedded Pack	292.6 tons	855.0 tons	0.0
Steer/Heifer Bedded Pack - uncollected	34.0 tons	34.0 tons	0.0

NPDES Permit Fact Sheet
NPDES Permit No. PA0233846
Remley Hog & Beef LLC

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Roy Schanbacher 11422 SR 414 Roaring Branch, PA 17765	Up to 974,400 gallons Finishing Swine & Up to 646,800 gallons Nursery Swine	0	Up to 974,400 gallons Finishing Swine & Up to 646,800 gallons Nursery 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 approved in the NMP.

The following minimum freeboards must be met by December 15th of each year to implement the NMP:

- Swine Barn 1 Underbarn 3.53 ft
- Swine Barn 2 Underbarn 3.03 ft
- Circular Concrete Tank 6.15 ft
- Nursery Underbarn 1.58 ft

Manure Storage Facilities:

Storage	Type	Dimensions	Freeboard	Usable Capacity
Nursery Underbarn	Liquid	76.66' x 400.66' x 6'	0.5 ft	1,263,598 gallons
Digester Tank	Liquid	80' x 18'	2 ft*	601,272 gallons
Circular Concrete Manure Storage Tank	Liquid	160' x 16'	2 ft	2,038,063 gallons
Swine Barn 1 Underbarn	Liquid	79.33' x 457.66' x 6'	2.5 ft**	950,495 gallons
Swine Barn 2 Underbarn	Liquid	79.33' x 457.66' x 6'	2 ft*	1,086,280 gallons

**According to 25 Pa. Code § 91.36(a)(6)(i), the minimum regulatory freeboard for a liquid manure storage not exposed to rainfall on an operation exceeding 1,000 AEUs is 6 inches, however a site specific freeboard of 2ft is given in the approved NMP.*

***According to 25 Pa. Code § 91.36(a)(6)(i), the minimum regulatory freeboard for a liquid manure storage not exposed to rainfall on an operation exceeding 1,000 AEUs is 6 inches, however a site specific freeboard of 2.5ft is given in the approved NMP.*

WQM 5917201 was issued by the Department on June 6, 2017 for the construction of the nursery house, digester, and circular concrete tank.

In order to allow for full functionality of the operation's components that were constructed in the WQM #5917201 permit, the operation had to make some modifications to the existing manure storages. PVC pipes were installed

in the finisher underbarn manure storages to allow for the gravity flow from Barn #2 to Barn #1, where the manure is pumped into the digester. The transfer of manure can be limited by a gate valve installed in the line. In order to prevent any accidental overflow or valve failure, the freeboards of both finisher underbarns are increased from the standard 0.5 ft. After going through the digester process, the effluent gravity flows into the circular concrete manure storage tank, where it will stay until land application or export.

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 (3 Underbarn Storages, Circular Storage, Digester)
- Mortality Management (Composting)

NRCS Practice Code 342 Critical Area Planting is prescribed as a BMP for Pasture 4 in the approved 2024 to 2026 NMP for this operation.

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:

Mortalities are composted on the operation in a roofed composter at farmstead 2. Bedded pack manure is used as a compost base and less than 25 tons of mortality compost is generated annually.

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. Some BMPs listed in the E&S plan include Conservation Crop Rotation (328), Contour Farming (330), Pasture Management, Critical Area Planting (342), Heavy Use Area Protection (561), Roof and Covers (367), Animal Mortality Facility (316), Waste Storage Facility – Liquid Underbarn (313), Forage Harvest Management (511), Nutrient Management (590), Residue and Tillage Management, No-Till/Strip Till/Direct Seed (329), and Strip cropping (585).

Downstream Public Water Supplies:

The nearest downstream public water supply intake is PA American Water White Deer, located 60 miles downstream. This operation is not expected to have any adverse impact 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.