

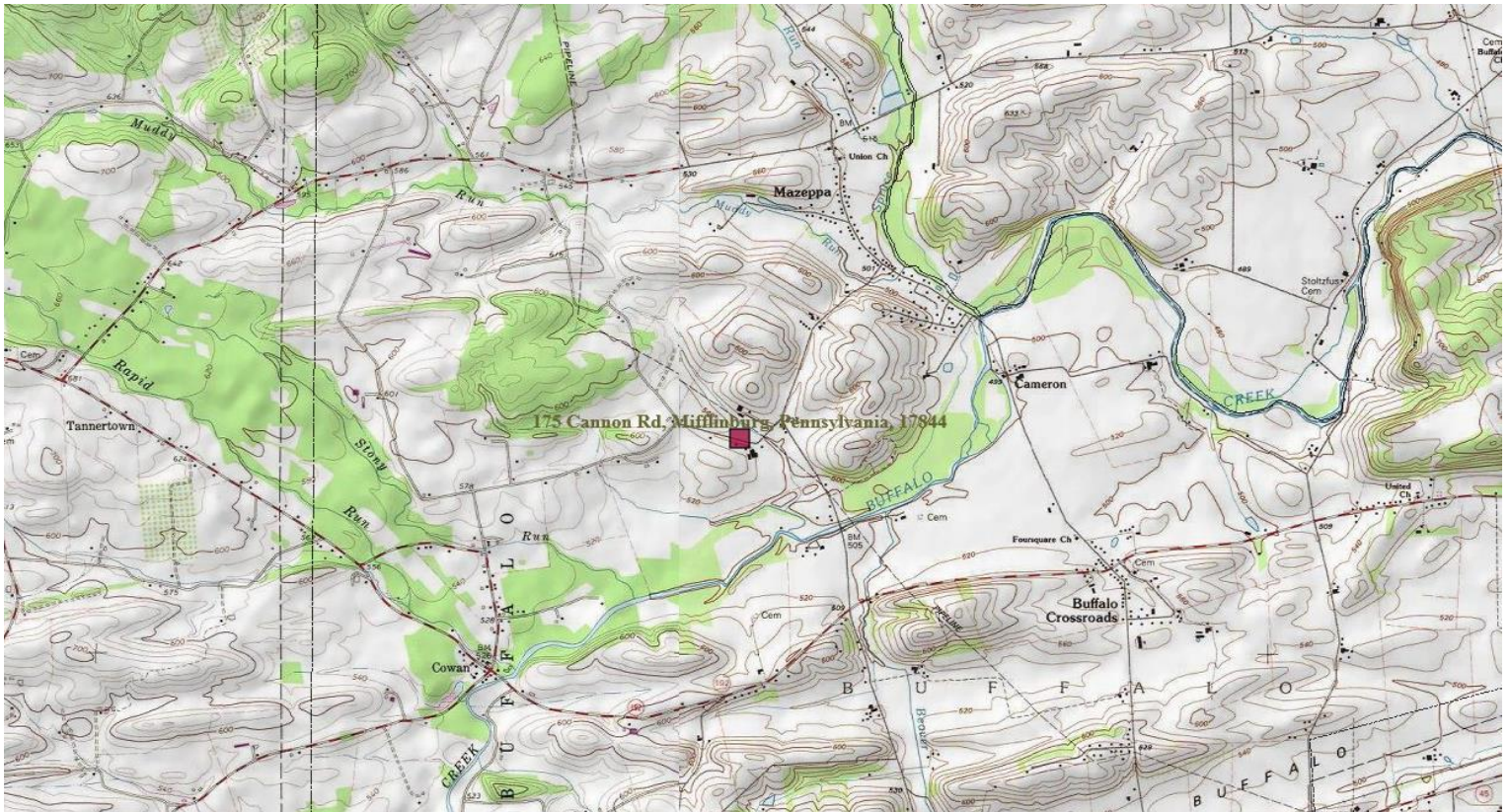
Application Type Renewal
Facility Type CAFO
Permit Type Individual

**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0233889
APS ID 962384
Authorization ID 1330148

Applicant and Facility Information

Applicant Name	<u>Troester Dairy</u>	Farm Name	<u>Troester Dairy Union County</u>
Applicant Address	<u>175 Cannon Road</u> <u>Mifflinburg, PA 17844-7714</u>	Farm Address	<u>175 Cannon Road</u> <u>Mifflinburg, PA 17844-7714</u>
Applicant Contact	<u>Leroy Troester</u>	Farm Contact	<u>Leroy Troester</u>
Applicant Phone	<u>(570) 412-0704</u>	Farm Phone	<u>(570) 412-0704</u>
Client ID	<u>278182</u>	Site ID	<u>729408</u>
SIC Code	<u>0241</u>	Municipality	<u>Buffalo Township</u>
SIC Description	<u>Agriculture - Dairy Farms</u>	County	<u>Union</u>
Date Application Received	<u>February 22, 2018</u>	WQM Required	<u>Issued</u>
Date Application Accepted	<u>October 28, 2020</u>	WQM App. No.	<u>6016201</u>
Project Description	<u>Major amendment and renewal for CAFO permit for an existing dairy operation.</u>		



Approve	Deny	Signatures	Date
X		<i>Jared Lescavage</i> Jared Lescavage / Project Manager	May 23, 2024
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	05/29/2024

Description:

Troester Dairy is an existing and expanding dairy operation located in Union County. Currently, the operation consists of 1000 mature dairy cows, 400 heifers, 415 calves, 12 finishing pigs, 1 goat buck, 9 goat doe, and 13 goat kids. With these animal numbers considered, the operation will have a total of 2,026.95 AEU's with an animal density of 2.08 AEU/A. Since the operation has more than 2 AEU/A, it is considered a CAO, and since it is a CAO with more than 300 AEU's, it exceeds the EPA threshold of 700 mature dairy cows, and is an operation with over 1,000 AEU's, it is also considered a CAFO. The operation is not located in a High-Quality watershed but was originally given an individual permit due to the 1,000 AEU threshold in the general permit, which is no longer in effect. However, due to past violations, the operation will remain as an individual permit.

The nearest potential receiving stream is an Unnamed Tributary of Buffalo Creek, designated for Cold Water Fisheries (CWF), located in Watershed 10-C. This stream is identified to be impaired by Pathogens of an Unknown Source.

Manure/Nutrient Management:

The NMP was approved on September 1, 2021. There are 974.9 acres available on lands owned by the applicant for manure application according to the NMP.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Home Liquid	9000000 gal	9000000 gal	0 gal
Home Pen-Pack	1500 tons	1783 tons	0 tons
Lloyd Pen-Pack	592 tons	592 tons	0 tons
Lloyd Liquid	800000 gal	895000 gal	0 gal
Owen Heiss Farm	60000 gal	211200 gal	0 gal
Home Farm New Tank	1181470 gal	1455000 gal	0 gal
Small Animal Group	15 tons	15 tons	0 tons

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
All manure generated on this operation is utilized on fields owned or rented by the operation. No manure generated on the operation is exported to any other operations or brokers.				

Winter Manure Management:

On December 15 of each year, the operation is required to have the minimum freeboard depths as listed in the approved NMP for each manure storage facility in order to allow for the estimated amounts of manure, bedding, washwater, precipitation, and runoff to enter the manure storages over the winter period:

Manure Storage Facilities:

Manure Storage	Dimensions	Capacity	Freeboard	Wastewater	Bedding
Home HDPE Lagoon	330' x 160' x 12'	3.3 MG	2 ft.	Milkhouse	Sawdust
Reception Pit	30' x 14'	68700 gal	N/A	None	None
Home Irrigated Water	82' x 12'	434800 gal	2 ft.	Milkhouse	None
Lloyd Earthen Lagoon	120' x 160' x 12'	1.2 MG	2 ft.	None	Sawdust
Owen Heiss	30' x 12'	58100 gal	2 ft.	None	None
Home Farm Tank	135' x 16'	1.5 MG	2 ft.	None	None

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.

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
- Mortality Management (Composting)
- Prescribed Grazing
- Riparian Forested Areas
- AHUA

NRCS Practice Code 412 Filter Strip is prescribed as a BMP in the approved 2023 to 2025 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:

All animal mortalities on the operation are composted in a roofed stacking facility, and then land applied along with the solid pen pack manure.

Animal Concentration Areas (Chapter 102.4a):

There is an Animal Heavy Use Area located south of the smaller circular tank on the Home Farm. Measures are enacted to ensure proper runoff control of stormwater in this area is diverted to the circular tank.

Chapter 102 E&S (Conservation Plans):

Plans have been verified to exist for the operation and all lands owned, rented, and associated with the operation. Some BMPs included in the plans are: Conservation Crop Rotation, Contour Buffer Strips, Cover Crop, Forage Harvest Management, Nutrient Management, Pasture and Hay Planting, Grassed Waterway, Residue Management, and Pasture.

Downstream Public Water Supplies:

The nearest downstream public water supply is the Sunbury Municipal Authority, located 20 miles downstream in Sunbury, PA. The operation is not expected to have any impact on the public water supply.

Compliance History:

There is one open violation that is expected to be resolved soon, prior to final permit issuance. All other past violations have been resolved.

PA0233889	3742159	8182365	PF	04/09/2024	92A.44	NPDES - Violation of effluent limits in Part A of permit	HEYLER,TIMOTHY
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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.