

Application Type Renewal/Expansion
 Facility Type CAFO
 Permit Type Individual

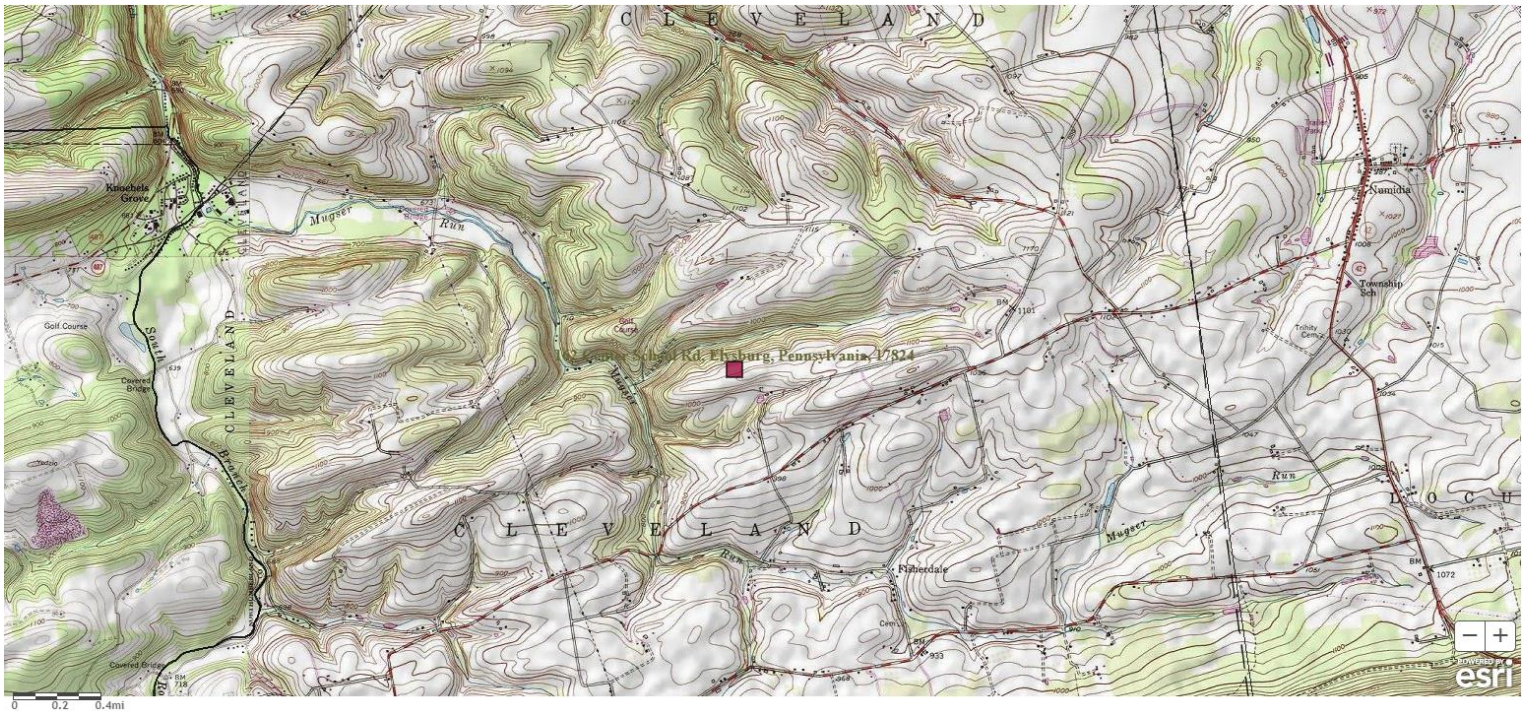
**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0233544
 APS ID 825149
 Authorization ID 1350704

Applicant and Facility Information

Applicant Name	<u>Joel D Knoebel</u>	Farm Name	<u>Cleveland Pork CAFO</u>
Applicant Address	<u>110 Center School Road</u> <u>Elysburg, PA 17824-9142</u>	Farm Address	<u>162 Center School Road</u> <u>Elysburg, PA 17824-9142</u>
Applicant Contact	<u>Joel Knoebel</u>	Farm Contact	<u>Joel Knoebel</u>
Applicant Phone	<u>(570) 847-6347</u>	Farm Phone	<u>(570) 847-6347</u>
Client ID	<u>262621</u>	Site ID	<u>703076</u>
SIC Code	<u>0213</u>	Municipality	<u>Cleveland Township</u>
SIC Description	<u>Agriculture - Hogs</u>	County	<u>Columbia</u>
Date Application Received	<u>April 15, 2021</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>May 19, 2021</u>	WQM App. No.	<u>1921201</u>

Project Description The Cleveland Pork CAFO has submitted an application for a NPDES permit renewal expansion for their existing swine operation.



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans Shollenberger / Environmental Engineering Specialist	June 29, 2021
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	7/1/2021

Description:

Cleveland Pork CAFO is an existing swine finishing CAFO located in Cleveland Township, Columbia County. The farm submitted an individual NPDES CAFO permit renewal expansion application to the Department on April 15, 2021. The operation is proposing to construct a second swine finishing barn with a slatted floor underhouse manure storage. With this proposed underbarn storage, the operation has also applied for a WQM permit (WQM#1921201) with the Department. The proposed barn will house an additional 4,800 finishing swine which combined with the 4,360 existing finishers gives a total operational animal population of 9,160 finishing swine. The farm will have a total of 1,387.18 AEUs. According to the NMP, the operation exports all liquid swine manure giving the operation 0 spreadable acres and an animal density of 1387.18 AEUs/acre. Since the animal density exceeds 2 AEU/acre and the total AEUs exceeds 300 AEUs, the operation is considered both a CAO and a CAFO requiring a NPDES CAFO permit. The operation is also considered a large CAFO for exceeding 1,000 AEUs and exceeding the EPA large CAFO threshold of 2,500 swine each weighing 55 pounds or more. The farm will be permitted under an Individual Permit due to its location in a high-quality watershed.

The closest stream to the site is UNT to Mugser Run, located in high-quality watershed 5-E, and designated for Cold Water Fishes, Migratory Fish (HQ-CWF, MF, Watershed 5-E). The stream is not impaired by Department standards.

Manure/Nutrient Management:

The NMP was approved on November 4, 2020. There are 0 acres available on lands owned and/or rented by the applicant for manure application according to the NMP. All manure generated by this operation is exported to known manure importers for application on cropland.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Existing Swine Manure	1,061,608.0 gal	0.0 gal	1,061,608.0 gal
Proposed Swine Manure	1,857,240.0 gal	0.0 gal	1,857,240.0 gal
Mortality Compost	84.0 ton	0.0 ton	84.0 ton

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Daniel Knoebel 113 Center School Road Elysburg, PA 17824	42 tons Mortality Compost & Up to 1,099,848 gallons Swine	0	42 tons Mortality Compost & Up to 1,099,848 gallons Swine	0
Justin Knoebel 182 Center School Road Elysburg, PA 17824	Up to 1,819,000 gallons Swine	0	Up to 1,819,000 gallons Swine	0

Daniel Knoebel:

- Tons of Swine Mortality Compost manure: up to 84 tons per year
- Gallons of Swine manure: up to a total of 1,099,848 gallons per year

Justin Knoebel:

- Gallons of Swine manure: up to a total of 1,819,000 gallons per year

Winter Manure Management:

Application of manure during the winter period is not approved in the NMP.

The winter freeboard needed by December 15th for the existing Swine Barn 1 is 1.6 feet. The winter freeboard needed for the proposed Swine Barn 2 is 1.9 feet. The barns will need to have at least the minimum amount of freeboard to have adequate storage through the winter.

Manure Storage Facilities:

This operation does not field stack manure.

The existing swine underhouse manure storage built in 2008 is 80ft x 458ft x 6ft with a 0.58ft freeboard giving a usable storage capacity of 1,484,444 gallons. The storage has a subsurface drain and leak detection system and is Engineer Certified. The storage is top loaded through a slatted floor and no bedding or runoff water is added to the storage. A typical amount of barn washdown water is added and included in the actual manure production values used in this plan.

The proposed slatted floor underhouse manure storage will be 81.5ft x 501ft x 5.5ft with a 0.5ft freeboard giving a useable storage volume of 1,527,100 gallons. The storage will have a subsurface drain and leak detection system.

Animal Mortality:

Mortalities will be composted on the operation using a roofed bin mortality composter. All manure and mortality compost will be exported to neighboring landowners for land application to cropped fields.

Animal Concentration Areas (Chapter 102.4a):

This operation does not include any AHUA's.

Chapter 102 E&S (Conservation Plans):

Plans have been verified to exist for importers receiving manure from Cleveland Pork CAFO.

Downstream Public Water Supplies:

The nearest downstream public water intake is located 14 miles downstream on the Susquehanna River by the Danville Municipal Water Authority in Montour County. This facility is not expected to adversely impact any public water supplies.

Compliance History:

There are no outstanding 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.