

Application Type New
Facility Type CAFO
Permit Type Individual

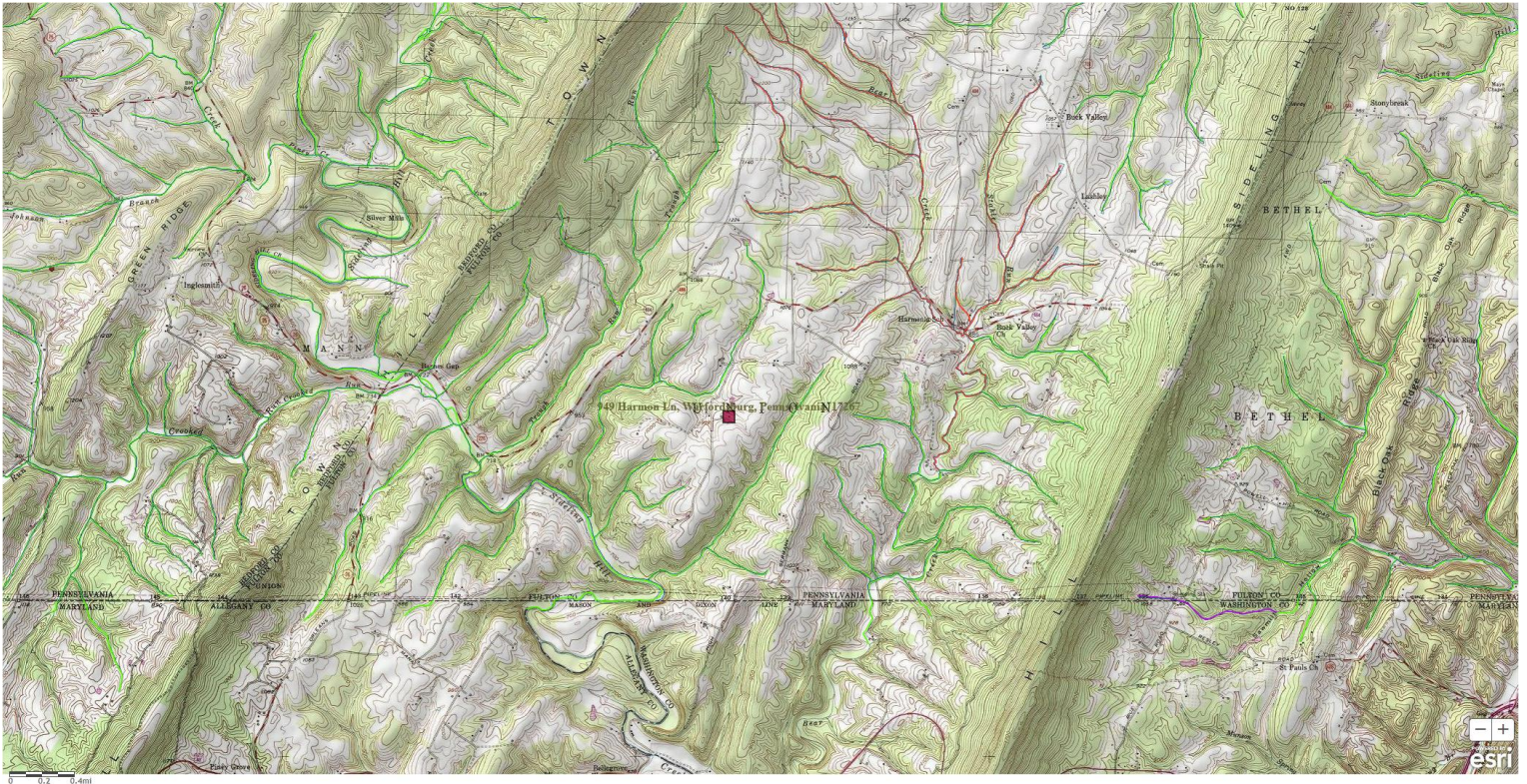
**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0281867
APS ID 1056073
Authorization ID 1383954

Applicant and Facility Information

Applicant Name	<u>C & J Farm</u>	Farm Name	<u>C & J Farm CAFO</u>
Applicant Address	<u>949 Harman Lane</u> <u>Warfordsburg, PA 17267</u>	Farm Address	<u>949 Harman Lane</u> <u>Warfordsburg, PA 17267</u>
Applicant Contact	<u>James Holland</u>	Farm Contact	<u>James Holland</u>
Applicant Phone	<u>(301) 697-7414</u>	Farm Phone	<u>(301) 697-7414</u>
Client ID	<u>368004</u>	Site ID	<u>854970</u>
SIC Code	<u>0213</u>	Municipality	<u>Union Township</u>
SIC Description	<u>Agriculture - Hogs</u>	County	<u>Fulton</u>
Date Application Received	<u>February 2, 2022</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>March 14, 2022</u>	WQM App. No.	<u>N/A</u>

Project Description C & J Farm CAFO has submitted an application for new CAFO permit coverage for their existing hog operation.



Approve	Deny	Signatures	Date
x		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	10/20/2022
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	10/20/2022

Description:

C & J Farm has two swine finishing barns and the following animal population:

Animal Type	Number	AEUs
Swine grow finish: 10-28 wk.	3,400	516.42
Beef Cow	6	8.40
Beef Calf: 0–8 mo.	6	1.04
Light Horse Mature	1	1.10
Meat Goat Doe	4	0.60
	Total AEUs =	527.56

C & J Farm is considered a CAO for exceeding 8 AEUs and having an animal density exceeding 2 AEUs/Acre. The operation is considered a large CAFO for being a CAO exceeding 300 AEUs and for exceeding the EPA large CAFO threshold of 2,500 swine weighing 55 pounds or more.

The receiving water is Tributary 61247 To Sideling Hill Creek, designated as Exceptional Value and Migratory Fishes (EV, MF), located in Watershed 13-B. This stream is not impaired by Department standards.

Manure/Nutrient Management:

The current NMP was approved on March 10, 2022, for crop years 2022, 2023, and 2024. There are 116.7 acres available on lands owned by the applicant for manure application according to the NMP, resulting in a density of 4.52 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Spring Swine Liquid	821,904.0 gal	526,400.0 gal	295,504.0 gal
Fall Swine Liquid	774,297.0 gal	162,400.0 gal	611,197.0 gal
Miscellaneous animal group - uncollected	173.4 tons	175.5 tons	0.0

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Michael & Corey Wilt 1408 Pointer Road Everett, PA 15537	850,000 gal	0	775,000 gal	0

Winter Manure Management:

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

The HDPE Lagoon should have a minimum available freeboard of 7ft by December 15 of each year to implement the NMP.

Manure Storage Facilities:

The operation has two swine underbarn reception pits that flow to an HDPE lined lagoon.

The top loaded existing HDPE Lined Lagoon with dimensions 130' x 125' x 12' has a total capacity of 879,648 gallons. The capacity is approximately 780,000 gallons at the minimum required freeboard of 1'. The operation and maintenance plan written by TeamAg calls for a freeboard of 2'. The lagoon was constructed in 1994 and does not have a perimeter drain or leak detection system.

A tear and three small punctures were found in the HDPE liner. The repair method used included rubberized liner material glued to the HDPE liner. The covering and fusing of the repair materials did not follow specific guidance as per the Pa Tech Guide Standard. However, these areas were in the top two feet of the storage and would be continuously visible for inspection. The patches were inspected closely and were tight and firm. They could not be removed or damaged with handheld tools as per the PE certification report. The repairs should be monitored and if they should become compromised or loose, a more formal repair should be done.

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
- Mortality Management

One additional BMP was listed in the approved 2022-2024 crop year NMP for C&J Farm. NRCS Practice Code 313 was listed with an implementation timeframe of Spring 2022 for repair of the manure storage. The liner has since been repaired and the storage has been certified by a registered Professional Engineer.

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:

The mortality is composted in an uncovered pile on the hilltop splitting field F3A. Horse manure, goat manure, sawdust and wood chips are used in the compost pile. Less than 25 tons of compost is generated annually and spent compost is land applied to crop fields.

Animal Concentration Areas (Chapter 102.4a):

The operation has the potential for having Animal Heavy Use Areas (AHUAs) in the pasture. The E&S plan addresses this with Pasture Management practices.

Chapter 102 E&S (Conservation Plans):

An agricultural E&S plan have been included in the application submission package to DEP for land subjected to plowing and tilling activities.

Downstream Public Water Supplies:

The nearest potential receiving stream to C&J Farm drains 2.6 miles before entering Maryland. The nearest downstream public water intake is located more than 2.6 miles downstream across the Pennsylvania/Maryland state line. This CAFO is not expected to adversely impact any public water supplies.

Compliance History:

C & J Farm was found to be operating at CAFO levels without being covered under a Department issued CAFO permit. A joint site visit was performed by the SCC, FCCD, and PA DEP on Thursday January 27th, 2022 to review the NMP and access the current conditions on the operation. The HDPE Lined Lagoon constructed in 1994 was

found to have a tear in the liner. It was decided that until the liner be repaired the required freeboard shall be maintained below the tear. Prior to final CAFO permit issuance, the Department had to be provided with documentation showing the HDPE Lined Lagoon and underbarn reception pits had been inspected and certified by a PA-registered professional engineer. The Department was provided with an Engineer Certification Report of Existing Manure Storage Facilities dated 8/29/2022 from registered Professional Engineer John Zaginaylo certifying the HDPE-Lined Lagoon for operation. An Engineering Report and Operation and Maintenance Plan was also provided.

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.