

Application Type New
 Facility Type CAFO
 Permit Type Individual

**NPDES PERMIT FACT SHEET
CAFOs**

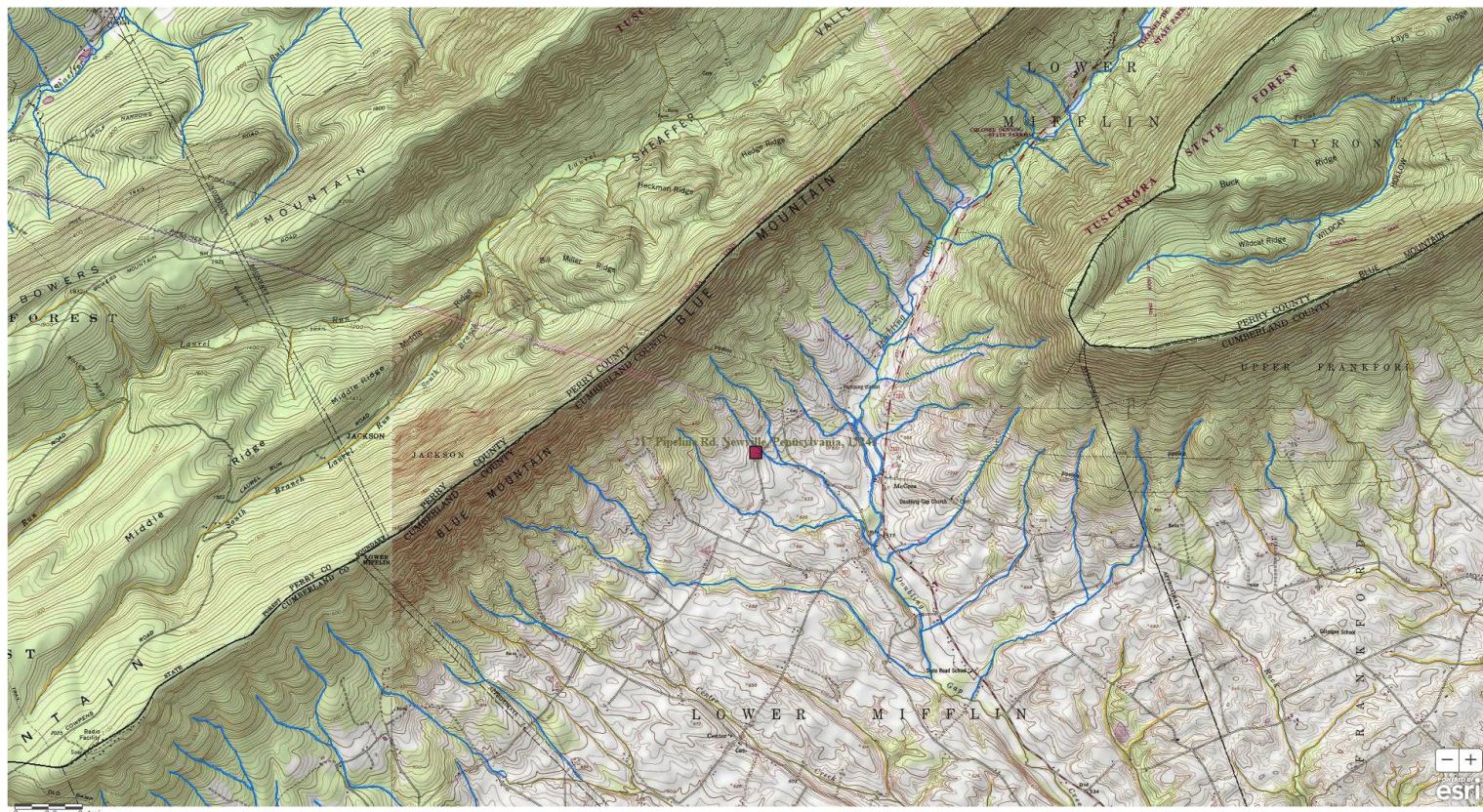
Application No. **PA0294292**
 APS ID **1099374**
 Authorization ID **1459114**

Applicant and Facility Information

Applicant Name	Jason Davis	Farm Name	Davis Poultry Farm
Applicant Address	235 Pipeline Road	Farm Address	217 Pipeline Road
	Newville, PA 17241-9762		Newville, PA 17241-9762
Applicant Contact	Jason Davis	Farm Contact	Jason Davis
Applicant Phone	(717) 554-6995	Farm Phone	(717) 554-6995
Client ID	380535	Site ID	867815
SIC Code	0259	Municipality	Lower Mifflin Township
SIC Description	Agriculture - Poultry And Eggs, Nec	County	Cumberland
Date Application Received	October 20, 2023	WQM Required	No
Date Application Accepted	January 12, 2024	WQM App. No.	N/A

Project Description

Jason Davis submitted an application for new Individual NPDES CAFO permit coverage for his proposed duck operation.



Approve	Deny	Signatures	Date
X		Hans D. Shollenberger Hans D. Shollenberger / Project Manager	06/25/2024
X		Scott M Arwood Scott M. Arwood, P.E. / Environmental Engineer Manager	06/25/2024

Description:

Jason Davis submitted an application for new Individual NPDES CAFO permit coverage for his proposed duck operation located in Lower Mifflin Township, Cumberland County. Once constructed, the operation will have two duck barns.

The operation will have the following animal population:

Animal Type	Number	AEUs
Duck, starter: 0–17 days	38,000	31.43
Duck, finisher: 17–38 days	38,000	138.70
Beef Finishing: 8–24 mo.	3	2.85
Light Horse Mature	5	5.50
	Total AEUs =	178.48

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 the EPA large CAFO threshold of 5,000 ducks when using a liquid manure handling system.

The nearest receiving water to the operation is Tributary 10395 of Doubling Gap Creek, designated for High Quality-Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 7-B. 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.

Manure/Nutrient Management:

The current NMP was approved on September 26, 2023, for crop years 2024, 2025, and 2026. There are 106.1 acres available on lands owned by the applicant for manure application according to the NMP, resulting in a density of 1.68 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Duck Fall	922,093.5 gal	386,000.0 gal	600,000.0 gal
Duck Spring	966,014.5 gal	386,000.0 gal	600,000.0 gal
Solid	50.0 tons	52.0 tons	0.0
Solid - uncollected	50.8 tons	50.8 tons	0.0

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Darren Shenk Broker [MB2- 1827] 1 Ruth Rd Denver Pa 17517	600,000 gallons Duck Manure	0	600,000 gallons Duck Manure	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.

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Winter Manure Management:

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

The proposed Slurry Store will be required to have a minimum freeboard of 7.1 ft by December 15th of each year to implement the NMP.

Manure Storage Facilities:

Storage	Type	Dimensions	Freeboard	Usable Capacity
<i>Name</i>	<i>Liquid or solid</i>	<i>Ft x ft x ft</i>	<i>Minimum regulatory</i>	<i>Gallons</i>
Slurry Store (Proposed)	Liquid	120' x 18'	1 ft*	1,352,862 gallons

*According to 25 Pa. Code § 91.36(a)(6)(ii) the minimum regulatory freeboard for a liquid storage exposed to rainfall on an operation with less than 1,000 AEUs is 12 inches, however a site specific freeboard of 2ft is required to implement the approved NMP

There are no existing manure storage facilities at the operation.

The operation is proposing to construct the Slurry Store listed in the table above. The design engineer will be required to submit PE Certification for the Slurry Store construction prior to final issuance of this CAFO permit.

There are no plans for field stacking of manure 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. 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 (Slurrystore)
- Mortality Management (Incineration)

NRCS Practice Code 313 Waste Storage Facility is prescribed as a BMP in the approved 2024 to 2026 NMP with an implementation timeframe of Fall 2024.

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:

Duck mortalities will be incinerated onsite.

Animal Concentration Areas (Chapter 102.4a):

The operation does not have Animal Heavy Use Areas (AHUAs).

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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.

Downstream Public Water Supplies:

The nearest downstream public water supply intake is located over 27 miles downstream on the Conodoguinet Creek by the Carlisle Water Treatment Plant in Carlisle Borough. This operation is not expected to impact any public water supplies.

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.