

Application Type Renewal
Facility Type CAFO
Permit Type Individual

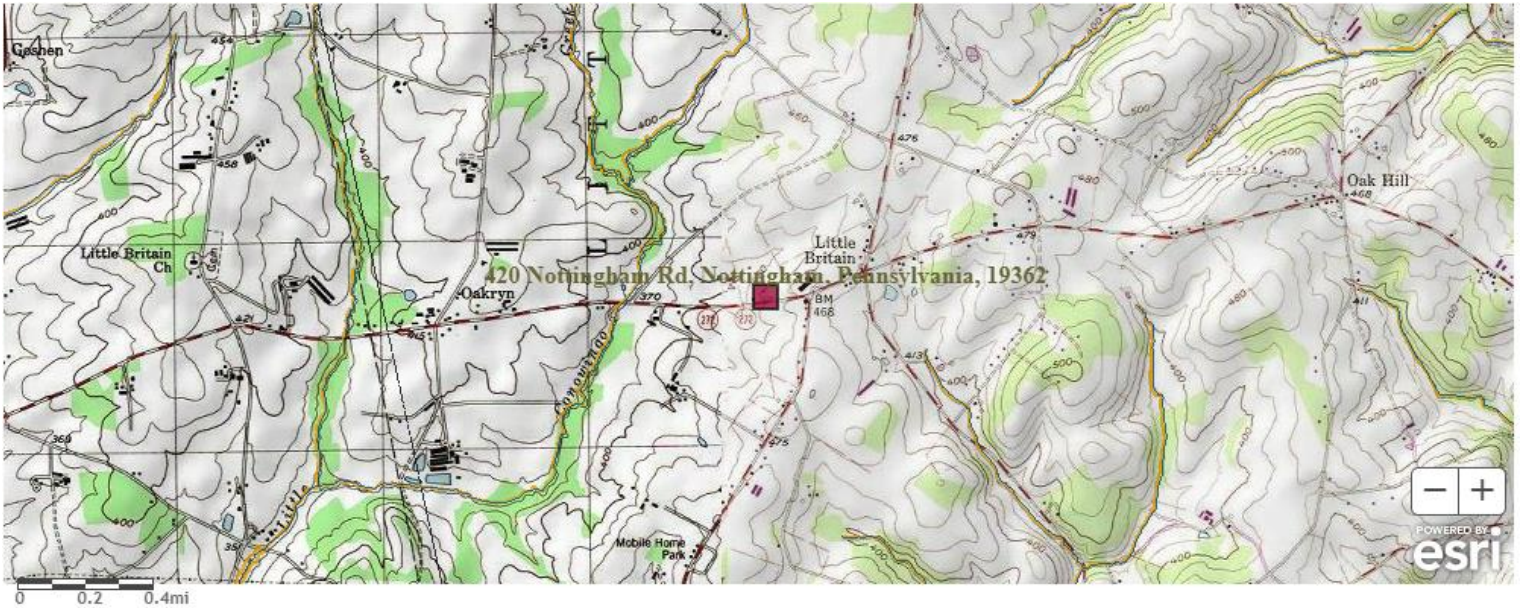
**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0247600
APS ID 540828
Authorization ID 1460225

Applicant and Facility Information

Applicant Name	<u>David H Martin</u>	Farm Name	<u>David Martin Farm CAFO</u>
Applicant Address	<u>420 Nottingham Road</u> <u>Nottingham, PA 19362-9024</u>	Farm Address	<u>420 Nottingham Road</u> <u>Nottingham, PA 19362-9024</u>
Applicant Contact	<u>David Martin</u>	Farm Contact	<u>David Martin</u>
Applicant Phone	<u>(717) 808-7806</u>	Farm Phone	<u>(717) 808-7806</u>
Client ID	<u>237478</u>	Site ID	<u>648395</u>
SIC Code	<u>0213</u>	Municipality	<u>Little Britain Township</u>
SIC Description	<u>Agriculture - Hogs</u>	County	<u>Lancaster</u>
Date Application Received	<u>October 26, 2023</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>October 31, 2023</u>	WQM App. No.	<u>N/A</u>

Project Description David H Martin submitted an application for Individual CAFO permit renewal for his existing swine and pullet operation.



Approve	Deny	Signatures	Date
x		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	2/29/2024
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	2/29/2024

Description:

David H Martin submitted an application for Individual CAFO permit renewal for his existing swine and pullet operation located in Little Britain Township, Lancaster County. The operation is considered a CAO for exceeding 8 AEUs while having an animal density that exceeds 2 AEUs/Acre. The operation is considered a large CAFO for being a CAO that exceeds 300 AEUs and for exceeding the EPA large CAFO threshold of 2,500 swine each weighing 55 pounds or more. The operation has the following animal population:

Animal Type	Number	AEUs
Swine wean to finish: 3–28 wk.	4,400	629.20
Pullet, brown egg: 0–16 wk.	66,000	101.64
	Total AEUs =	730.84

The nearest receiving waters to the operation are Tributary 07178 to Little Conowingo Creek and Little Conowingo Creek, both designated for High Quality-Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 7-K. Both streams are impaired by agriculture siltation, organic enrichment, and nutrients and habitat modification and alterations. 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 December 1, 2021, for crop years 2022, 2023, and 2024. There are 191.6 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 3.81 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Swine - Fall	885,220.0 gal	1,341,200.0 gal	455,980.0 gal
Swine - Spring	885,220.0 gal	1,341,200.0 gal	455,980.0 gal
Pullet	321.0 tons	0.0	321.0 tons
Compost	95.0 tons	0.0	95.0 tons

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Jerome E Rhoads 1166 Dry Wells Road, Quarryville PA 17566	All Year: 476 tons Pullet/Compost			
Robert Young 291 Little Britain Church Road, Peach Bottom PA 17563	540,000 gallons Swine	0	0	0
Jeptha Stoltzfus 176 Roberts Road, Quarryville PA 17566	120,000 gallons Swine	0	120,000 gallons Swine	0
Henry K Yoder 449 Balance Meeting Road, Peach Bottom PA 17563	Spring or Fall: 210,000 gallons Swine			

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,

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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 not approved in the NMP.

On December 15th of each year, the swine underbarn manure storage will need to maintain at least 1.86 ft. of freeboard to account for the estimated 368,676 gallons of manure, washwater, bedding, and other wastes that are expected to enter the storage during the winter period.

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>
Swine Underbarn Manure Storage	Liquid	120' x 300' x 5.5'	0.5 ft	1,346,400 gal

There are no proposed manure storage facilities, no planned alternative manure technology practices, and no plans for field stacking of manure for this operation.

Solid pullet manure will be kept in the barns until cleanout and export.

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 (Swine Underbarn Storage)
- Mortality Management (Composting)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2022 to 2024 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:

The mortalities will be composted onsite northwest of the swine barn and then exported to a broker.

Animal Concentration Areas (Chapter 102.4a):

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

Chapter 102 E&S (Conservation Plans):

Agricultural E&S and Conservation 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 beyond the Pennsylvania-Maryland state line. 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.