

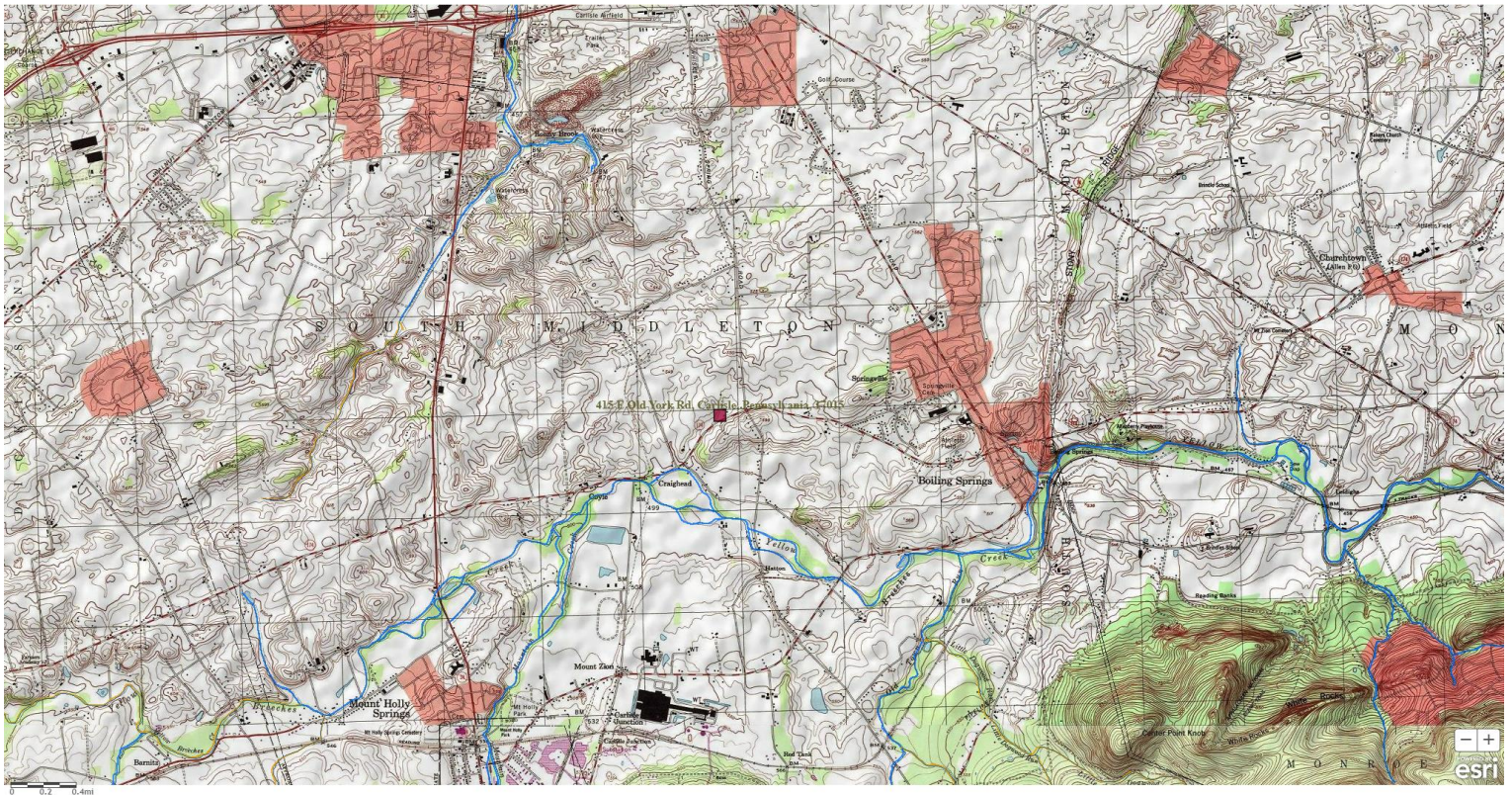
Application Type Renewal
Facility Type CAFO
Permit Type Individual

**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0261726
APS ID 753084
Authorization ID 1428751

Applicant and Facility Information

Applicant Name	<u>Lester Martin</u>	Farm Name	<u>Lester Martin Duck CAFO</u>
Applicant Address	<u>415 E Old York Road</u> <u>Carlisle, PA 17015-9207</u>	Farm Address	<u>415 E Old York Road</u> <u>Carlisle, PA 17015-9207</u>
Applicant Contact	<u>Lester Martin</u>	Farm Contact	<u>Lester Martin</u>
Applicant Phone	<u>(717) 648-8737</u>	Farm Phone	<u>(717) 648-8737</u>
Client ID	<u>288629</u>	Site ID	<u>749835</u>
SIC Code	<u>0259</u>	Municipality	<u>South Middleton Township</u>
SIC Description	<u>Agriculture - Poultry And Eggs, Nec</u>	County	<u>Cumberland</u>
Date Application Received	<u>February 25, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>March 22, 2023</u>	WQM App. No.	<u>2111201</u>
Project Description	<u>Lester Martin submitted a NPDES CAFO renewal application for his existing duck operation</u>		



Approve	Deny	Signatures	Date
x		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	May 5, 2023
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	May 5, 2023

Description:

Lester Martin submitted a NPDES CAFO renewal application for his existing duck operation located in South Middleton Township, Cumberland County. The operation is not a CAO since the animal density does not exceed 2 AEU/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 operation will have the following animal population:

Animal Type	Number	AEUs
Duck, finisher: 17-38 days	38,000	185.44
	Total AEUs =	185.44

The nearest receiving water is Yellow Breeches Creek, designated as High Quality-Cold Water and Migratory Fish (HQ-CWF, MF), located in Watershed 7-E. This stream is not impaired by Department Standards.

Manure/Nutrient Management:

The current NMP was approved on September 27, 2022, for crop years 2023, 2024, and 2025. There are 177.2 acres available on lands owned by the applicant for manure application according to the NMP, resulting in a density of 1.05 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Duck (F)	956,350.0 gal	872,770.0 gal	83,580.0 gal
Duck (S)	956,350.0 gal	801,670.0 gal	53,480.0 gal

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Jonathan Rudolph 1062 Petersburg Road, Boiling Springs, PA 17007	675,000 gallons Duck	0	675,000 gallons Duck	0
Ian Stamy 1191 Baish Road, Mechanicsburg PA 17055	1,500,000 gallons Duck	1,500,000 gallons Duck	1,500,000 gallons Duck	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.

Winter Manure Management:

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

Manure storage facilities should have adequate freeboard on December 15th of each year to implement the NMP. The HDPE-Lined Lagoon should have a minimum freeboard of 7.4 feet on December 15th of each year. This will allow for the 5.4' of manure storage space over winter and the required 2' of emergency freeboard required at all times.

Manure Storage Facilities:

Storage	Type	Dimensions	Freeboard	Usable Capacity @ Freeboard
<i>Name</i>	<i>Liquid or solid</i>	<i>Ft x ft x ft</i>	<i>Minimum regulatory (ft)</i>	<i>Gallons or cubic feet</i>
HDPE-Lined Lagoon	Liquid	145' x 205' x 14'	2*	1,600,000 gal

*Per 25 Pa. Code § 91.36(a)(6)(ii), the minimum regulatory freeboard is 12 inches for manure storage facilities that are ponds and are located on agricultural operations with under 1,000 AEUs. However, a site-specific value of 2 foot is stated in the approved Lester Martin 2023-2025 NMP and is required to be maintained to implement the NMP.

The HDPE-Lined Lagoon was most recently certified by professional engineer Matthew D. Brubaker (PE074213) on February 22, 2023.

There are no proposed manure storages, no infield stacking locations, and no planned alternative manure technology practices for this operation.

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 (HDPE-Lined Lagoon)
- Mortality Management (Rendered)

There are no additional prescribed BMPs listed in the 2023-2025 Approved NMP for this operation.

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 mortalities will be rendered.

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. Conservation Plans for importers located in high quality watersheds (Jonathan Rudolph and Ian Stamy) were also included and verified to exist.

Downstream Public Water Supplies:

The nearest downstream public water supply intake is located 25 miles downstream on the Yellow Breeches Creek by the SUEZ Mechanicsburg in Upper Allen Township, Cumberland County. This facility is not expected to adversely 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.