

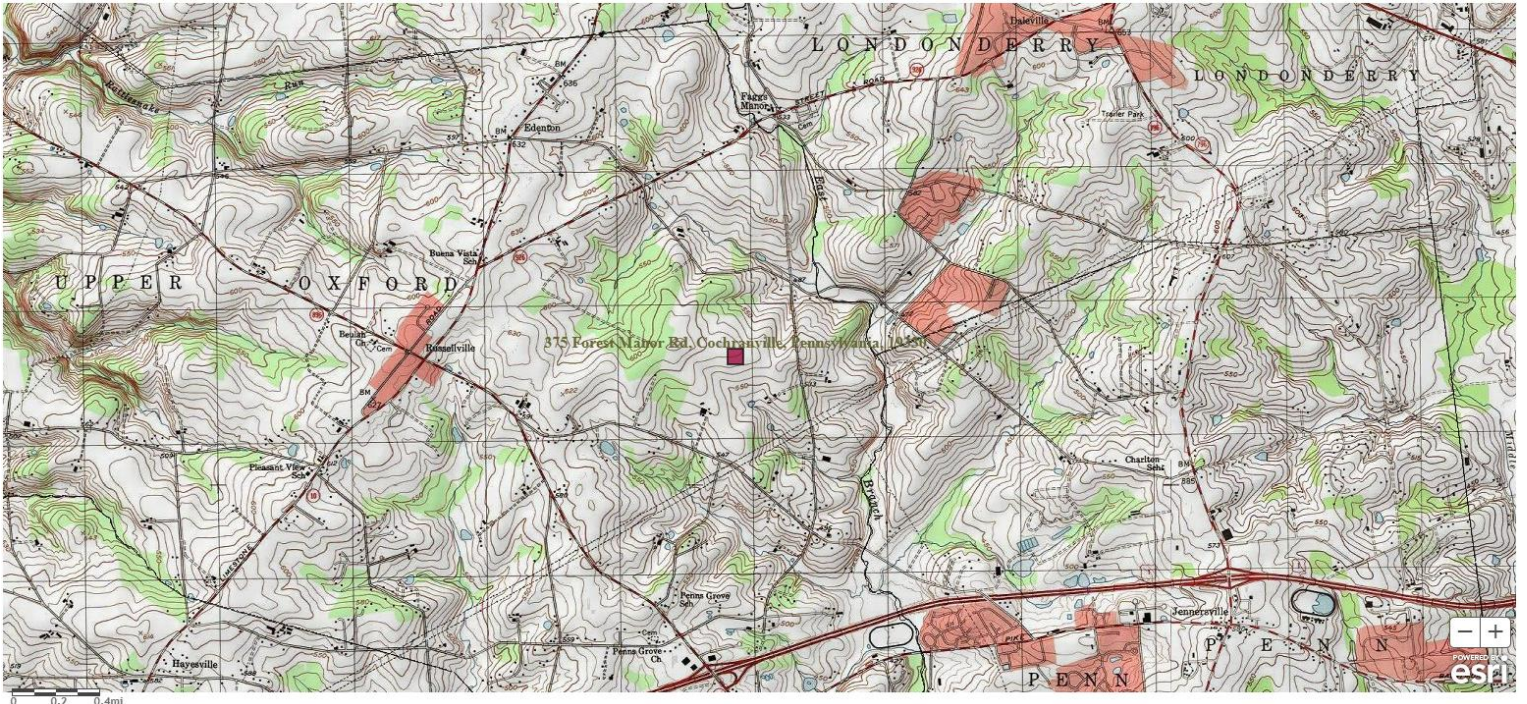
Application Type Renewal  
Facility Type CAFO  
Permit Type Individual

**NPDES PERMIT FACT SHEET**  
**CAFOs**

Application No. PA0262013  
APS ID 803617  
Authorization ID 1401431

**Applicant and Facility Information**

Applicant Name	<u>Kerwin King</u>	Farm Name	<u>Kerwin King Duck Operation</u>
Applicant Address	<u>375 Forest Manor Road</u> <u>Cochranville, PA 19330-1648</u>	Farm Address	<u>375 Forest Manor Road</u> <u>Cochranville, PA 19330-1648</u>
Applicant Contact	<u>Kerwin King</u>	Farm Contact	<u>Kerwin King</u>
Applicant Phone	<u>(610) 764-5394</u>	Farm Phone	<u>(610) 764-5394</u>
Client ID	<u>301993</u>	Site ID	<u>769604</u>
SIC Code	<u>0212,0259</u>	Municipality	<u>Upper Oxford Township</u>
SIC Description	<u>Agriculture - Beef Cattle, Except Feedlots,</u> <u>Agriculture - Poultry And Eggs, Nec</u>	County	<u>Chester</u>
Date Application Received	<u>June 22, 2022</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>July 1, 2022</u>	WQM App. No.	<u>1513201</u>
Project Description	<u>Kerwin King has submitted an application for CAFO permit renewal for his existing duck operation</u>		



Approve	Deny	Signatures	Date
x		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	July 1, 2022
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	7/1/2022

**Description:**

Kerwin King operates an existing duck operation in Upper Oxford Township, Chester County. The operation has 1 duck barn housing the following animal population:

Animal Type	Number	AEUs
Duck, starter: 0-17 days	19,000	15.58
Duck, finisher: 17-38 days	19,000	69.60
Holstein Heifer: 1-2 yr.	15	6.16
	<b>Total AEUs =</b>	<b>91.34</b>

The operation is not considered a CAO since the animal density does not exceed 2 AEUs/Acre. The operation is considered a CAFO for exceeding the EPA large CAFO threshold of 5,000 ducks when using a liquid manure handling system. Due to being in a High-Quality watershed, this CAFO is required to apply for an individual CAFO permit.

The receiving water is Tributary 06756 To East Branch Big Elk Creek, designated as High-Quality Waters, Trout Stocked Fishes, and Migratory Fishes (HQ-TSF, MF), located in Watershed 7-K. This stream is impaired by agriculture siltation and habitat modification and alterations.

**Manure/Nutrient Management:**

The current NMP was approved on August 19, 2021, for crop years 2022, 2023, and 2024. There are 210.1 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 0.43 AEUs/acre.

*Manure Group Information:*

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Duck (Fall)	420,000.0 gal	950,400.0 gal	0.0
Duck (Spring)	420,000.0 gal	731,400.0 gal	0.0
Heifers - uncollected	67.5 tons	68.5 tons	0.0

*Exported Manure:*

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
See Approved NMP for Importer/Broker Information				

**Winter Manure Management:**

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

The covered HDPE-Lined Lagoon will be maintained such that there will be at least 1.4 ft freeboard on December 15 to implement the NMP.

**Manure Storage Facilities:**

The operation has a 644' x 63' duck barn with slatted floors and an under-floor pit where manure is mechanically scraped and conveyed by gravity pipes to the manure storage lagoon.

Storage	Type	Dimensions	Freeboard	Usable Capacity @ freeboard
<i>Name</i>	<i>Liquid or solid</i>	<i>Feet</i>	<i>Minimum regulatory</i>	<i>Gallons</i>
Covered HDPE-Lined Lagoon	Liquid	145' x 205' x 14'	6 inches	1,710,500

WQM 1513201 was issued in 2013 for the construction and operation of the covered HDPE-Lined Lagoon. The freeboard listed on the WQM permit for the lagoon is 12 inches, but the minimum required regulatory freeboard is 6 inches due to the lagoon not being exposed to rainfall per 25 Pa. Code § 91.36 (a)(6)(ii).

**Animal Mortality:**

The mortalities will be incinerated in a 55-gallon drum on the farm next to the lagoon.

**Animal Concentration Areas (Chapter 102.4a):**

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

**Chapter 102 E&S (Conservation Plans):**

Typically, 15 heifers are brought to graze pasture from April through August with no collected manure from the heifer group.

Agricultural E&S plans have been included or verified to exist for land subjected to plowing and tilling activities.

**Downstream Public Water Supplies:**

The operation is located over 17 miles upstream of the Pennsylvania-Maryland state border. 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.