

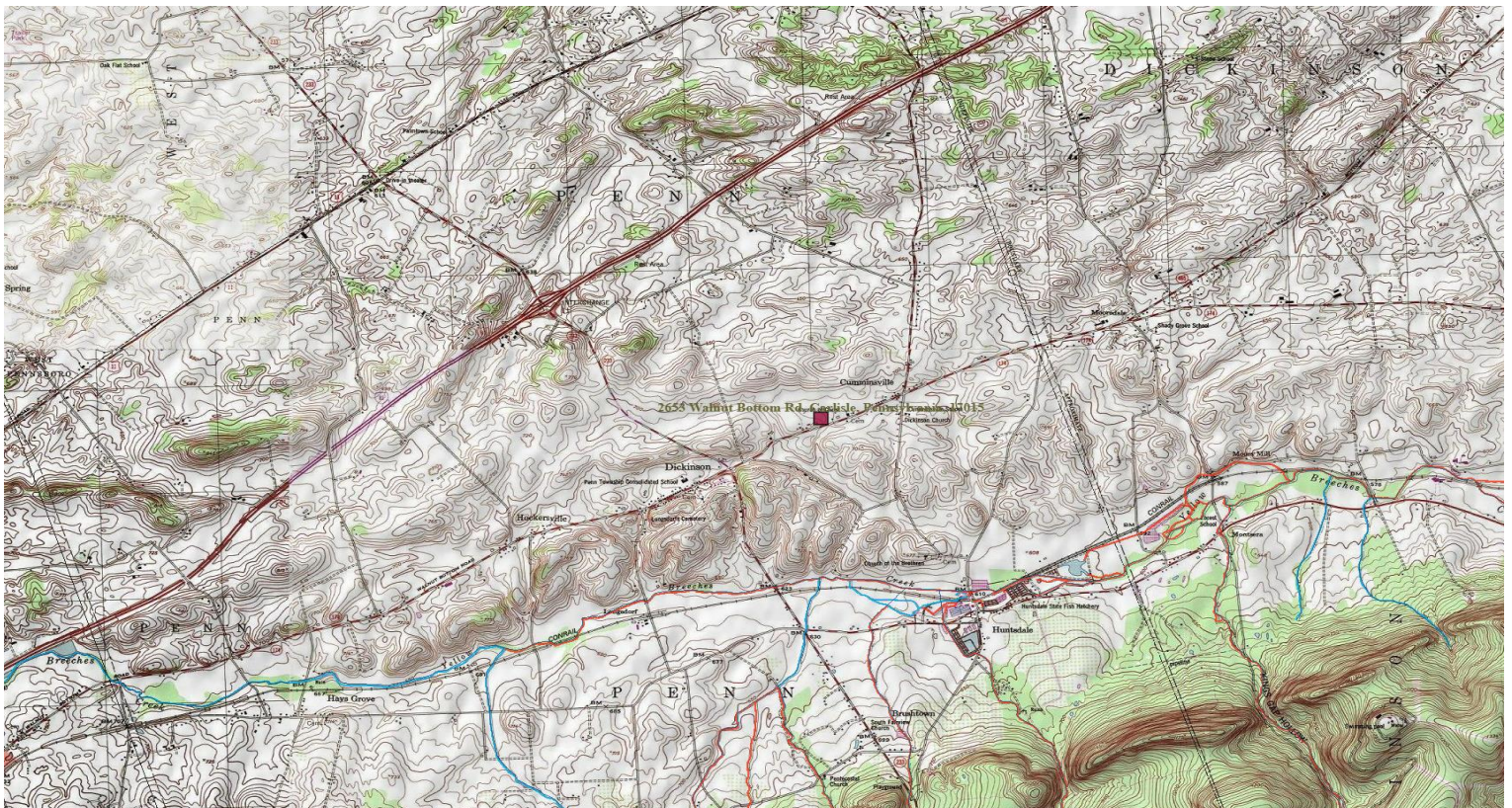
Application Type New  
Facility Type CAFO  
Permit Type Individual

**NPDES PERMIT FACT SHEET  
CAFOs**

Application No. PA0281859  
APS ID 1039439  
Authorization ID 1372522

**Applicant and Facility Information**

Applicant Name	<u>Barrick Dairy LLC</u>	Farm Name	<u>Barrick Dairy CAFO</u>
Applicant Address	<u>2653 Walnut Bottom Road</u> <u>Carlisle, PA 17015-9329</u>	Farm Address	<u>2653 Walnut Bottom Road</u> <u>Carlisle, PA 17015-9329</u>
Applicant Contact	<u>Josh Barrick</u>	Farm Contact	<u>Josh Barrick</u>
Applicant Phone	<u>(717) 226-7383</u>	Farm Phone	<u>(717) 226-7383</u>
Client ID	<u>363180</u>	Site ID	<u>849641</u>
SIC Code	<u>0213,0241</u>	Municipality	<u>Penn Township</u>
SIC Description	<u>Agriculture - Dairy Farms, Agriculture - Hogs</u>	County	<u>Cumberland</u>
Date Application Received	<u>May 25, 2021</u>	WQM Required	<u>Pending</u>
Date Application Accepted	<u>October 14, 2021</u>	WQM App. No.	<u>2122201</u>
Project Description	<u>Application for a new CAFO permit for an existing dairy operation.</u>		



Approve	Deny	Signatures	Date
X		<i>Jared Lescavage</i> Jared Lescavage / Project Manager	August 17, 2022
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	8/17/2022

**Description:**

Barrick Dairy is an existing dairy operation located in Cumberland County. The operation currently consists of 515 mature dairy cows, 75 dry cows, 385 heifers, 138 calves, and 5 beef steers. The operation is also proposing to construct a nursery hog barn that will house 9,600 nursery pigs. With all of the animal types considered, the operation will consist of 1616.2 AEU's with an animal density of 1.47 AEU/A. Since the operation is less than 2 AEU/A, it is not considered a CAO, however, since the operation has more than 1000 AEU's, it is considered a CAFO.

The nearest potential receiving stream is Yellow Breeches, designated for High-Quality Cold Water Fisheries (HQ-CWF), located in Watershed 7-E. This stream is identified to be impaired by Pathogens of an Agricultural Source.

**Manure/Nutrient Management:**

The NMP was approved on October 24, 2020. There are 976.1 acres available on lands owned or rented by the applicant for manure application according to the NMP.

*Manure Group Information:*

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Fall Dairy Slurry	2.5 MG	2.5 MG	0 gal
Winter/Spring Dairy Slurry	4.5 MG	4.5 MG	0 gal
Fall Teardrop Storage	180000 gal	200000 gal	0 gal
Spring Teardrop Storage	180000 gal	181000 gal	0 gal
Fall Heifer Slurry	450000 gal 205 tons	468000 gal 410 tons	0 gal 0 tons
Winter/Spring Heifer Slurry	550000 gal 28 tons	600000 gal 56 tons	0 gal 0 tons
Pap's Fall Heifer Slurry	30000 gal 123 tons	81900 gal 123 tons	0 gal 0 tons
Pap's Spring Heifer Slurry	60000 gal 20 tons	81200 gal 20 tons	0 gal 0 tons
Fall Pen Manure	641 tons	823 tons	0 tons
Winter/Spring Pen Manure	1350 tons	1435 tons	0 tons
Hog Manure	1.6 MG	1.6 MG	0 gal
HP1 Grazing	233 tons	233 tons	0 tons
HP2 Grazing	27 tons	27 tons	0 tons
Ppast Grazing	143 tons	143 tons	0 tons

**Winter Manure Management:**

Winter spreading is approved for certain fields by the NMP. Please see Appendix 10 in the NMP for exact fields.

On December 15 of each year, all manure storages on the operation must maintain an appropriate amount of storage space available to allow for all manure, washwater, runoff, precipitation and other waste to enter the storages during the winter period.

**Manure Storage Facilities:**

Teardrop Storage – shotcrete earthen storage with 2.5:1 sloping sides; top loaded  
 Dimensions -- 130' x 75' x 13'  
 Useable Capacity -- 319,411 gallons  
 Freeboard -- 1.0 ft  
 Runoff Area -- None  
 Wastewater Additions -- None  
 Types & Amounts of Bedding -- separated solids & shavings.

Dry cow / Heifer Storage; concrete, top loaded

Dimensions -- 100' x 10'  
Useable Capacity -- 587,180 gallons  
Freeboard -- 1.0 ft  
Runoff Area -- Unroofed Heifer feedlot  
Wastewater Additions -- Rainfall on unroofed heifer feedlot  
Types & Amounts of Bedding -- separated solids & shavings

Freestall Barn slatted floor underbarn storage; top loaded  
Dimensions -- 275' x 120' x 10'  
Useable Capacity -- 2,344,980 gallons  
Freeboard -- 0.5 ft  
Runoff Area -- None  
Wastewater Additions -- Parlor waste  
Types & Amounts of Bedding -- separated solids & shavings

Pap's Place; concrete, top loaded  
Dimensions -- 35' x 10'  
Useable Capacity -- 71,930 gallons  
Freeboard -- 1.0 ft  
Runoff Area -- Unroofed Heifer feedlot  
Wastewater Additions -- Rainfall on unroofed heifer feedlot  
Types & Amounts of Bedding -- separated solids & shavings

Proposed Hog Facility; underbarn storage  
Dimensions -- 78.5' x 402' x 7'  
Useable capacity -- 1,534,301  
Freeboard -- 0.5'  
Runoff Area -- none  
Wastewater Additions -- ~300 gal/week

**Animal Mortality:**

All animal mortalities are composted on the site using corn fodder, bedding, and pen manure. All compost is then land applied.

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

There are ACA's for grazing and feedlots. These fields are listed in the NMP.

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

Plans have been verified to exist for the operation and all fields owned or rented by the operation.

**Downstream Public Water Supplies:**

The nearest downstream public water supply is Suez Mechanicsburg, located 35 miles downstream, in Upper Allen, PA. This operation is not expected to have any adverse impact on the public water supply.

**Compliance History:**

N/A

**Additional BMPs**

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, 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. 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.

**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.