

Application Type New
Facility Type CAFO
Permit Type Individual

**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0294276
APS ID 1098138
Authorization ID 1457112

Applicant and Facility Information

Applicant Name	<u>Lakeland Dairy</u>	Farm Name	<u>Lakeland Dairy Farm CAFO</u>
Applicant Address	<u>272 Angel Road</u> <u>New Wilmington, PA 16142-1738</u>	Farm Address	<u>272 Angel Road</u> <u>New Wilmington, PA 16142-1738</u>
Applicant Contact	<u>Jeff McFarland</u>	Farm Contact	<u>Jeff McFarland</u>
Applicant Phone	<u>(724) 971-2361</u>	Farm Phone	<u>(724) 971-2361</u>
Client ID	<u>251447</u>	Site ID	<u>679089</u>
SIC Code	<u>0241</u>	Municipality	<u>Wilmington Township</u>
SIC Description	<u>Agriculture - Dairy Farms</u>	County	<u>Mercer</u>
Date Application Received	<u>October 3, 2023</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>October 18, 2023</u>	WQM App. No.	<u>4319201</u>

Project Description Lakeland Dairy submitted an application for new Individual NPDES CAFO permit coverage for their existing dairy operation.



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	2/12/2024
X		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	2/12/2024

Description:

Lakeland Dairy, an agriculture farming partnership owned and operated by Jeff, Brad, and Don McFarland, is an existing and expanding dairy operation located in Wilmington Township, Mercer County. The operation submitted an application for new Individual NPDES CAFO permit coverage. The operation is not considered a CAO since the animal density does not exceed 2 AEU/Acre. The operation will be considered a large CAFO for being an agricultural operation exceeding 1,000 AEU and for exceeding the EPA's large CAFO threshold of 700 mature dairy cows whether milked or dry.

The operation will have the following animal population:

Animal Type	Number	AEUs
Holstein Cow (Dry & Lactating)	775	1,108.36
Holstein Heifer 13-20 mo.	275	254.41
Holstein Heifer 21-24 mo.	75	87.88
Holstein Calf 10-12 mo.	100	68.55
Holstein Calf 2-9 mo.	150	58.14
Holstein Calf 0-1 mo.	100	11.64
	Total AEU =	1,588.98

The nearest receiving water to the operation is Tributary 35553 to West Branch Little Neshannock Creek, designated as Trout Stocked Fishes (TSF), located in Watershed 20-A. This stream is impaired by pathogens of an unknown source. The operation is not located in a high quality watershed but an application for Individual NPDES CAFO permit coverage was submitted due to the PAG12 coverage not being available at the time of submission.

Manure/Nutrient Management:

The current NMP was approved on October 3, 2022, for crop years 2023, 2024, and 2025. There are 1,006.8 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 1.58 AEU/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported
Spring Spread Big & New Barn Combo Liquid	1,776,215.4 gal	1,701,000.0 gal	137,723.0 gal
Summer Spread Big & New Barn Combo Liquid	1,735,373.4 gal	1,624,000.0 gal	137,723.0 gal
Fall Spread Big & New Barn Combo Liquid	1,771,291.4 gal	1,570,800.0 gal	137,723.0 gal
Winter Spread Big & New Barn Combo Liquid	1,796,781.4 gal	1,709,113.4 gal	0.0
Spring Spread Big & New Barn Combo Solid	1,861.1 tons	1,575.9 tons	220.0 tons
Summer Spread Big & New Barn Combo Solid	1,861.1 tons	1,552.5 tons	220.0 tons
Fall Spread Big & New Barn Combo Solid	1,861.1 tons	1,598.4 tons	220.0 tons
Winter Spread Big & New Barn Combo Solid	1,861.1 tons	1,789.1 tons	0.0
Spring Dry/PreFresh Heifer Calf	1,410.7 tons	1,368.0 tons	0.0
Summer Dry/PreFresh Heifer Calf	1,410.7 tons	1,359.8 tons	0.0
Fall Dry/PreFresh Heifer Calf	1,410.7 tons	1,389.6 tons	0.0
Winter Dry/PreFresh Heifer Calf	1,410.7 tons	1,351.8 tons	0.0

NPDES Permit Fact Sheet
NPDES Permit No. PA0294276
Lakeland Dairy Farm CAFO

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
S&S Processing Inc. 748 Beaver Road, West Pittsburg, PA 16160	565 tons Separated Solid Cow Manure & 220 tons Solid Manure Cow Manure	565 tons Separated Solid Cow Manure & 220 tons Solid Manure Cow Manure	565 tons Separated Solid Cow Manure & 220 tons Solid Manure Cow 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.

Winter Manure Management:

Application of manure during the winter period is approved in the NMP.

Manure storage facilities should have adequate freeboard on December 15th of each year to implement the NMP. The concrete circular manure storage is required to have a minimum freeboard of 12.16 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</i>	<i>Minimum regulatory</i>	<i>Gallons or cubic feet</i>
Concrete Circular Manure Storage	Liquid	172' x 16'	2ft	2,370,000 gallons

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

The operation was issued WQM 4319201 by the Department effective 10/03/2019 for the construction and operation of the concrete circular manure storage.

Solid manure generated from the Big and New Barns is stacked on concrete under a roofed area next to the separation building.

Solid manure produced from the Dry/Pre-Fresh, Heifer and Calf barn is stacked at the end of each barn respectively. Solid manure from these barns is typically spread weekly.

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, 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.

NPDES Permit Fact Sheet
NPDES Permit No. PA0294276
Lakeland Dairy Farm CAFO

The applicant is implementing the following BMPs within the production area:

- Manure Storage Facilities (Concrete Circular Manure Storage)
- Mortality Management (Composting)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2023 to 2025 NMP for this operation.

Based upon this evaluation, DEP believes no additional BMPs will be required at this time 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 on the operation on the designated composting pad. Proper composting practices are followed.

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 plans have been included and verified to exist for land subjected to plowing and tilling activities.

Downstream Public Water Supplies:

There are no public water supply intakes within 30 miles downstream of the operation. 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.