

Application Type Renewal
Facility Type CAFO
Permit Type Individual

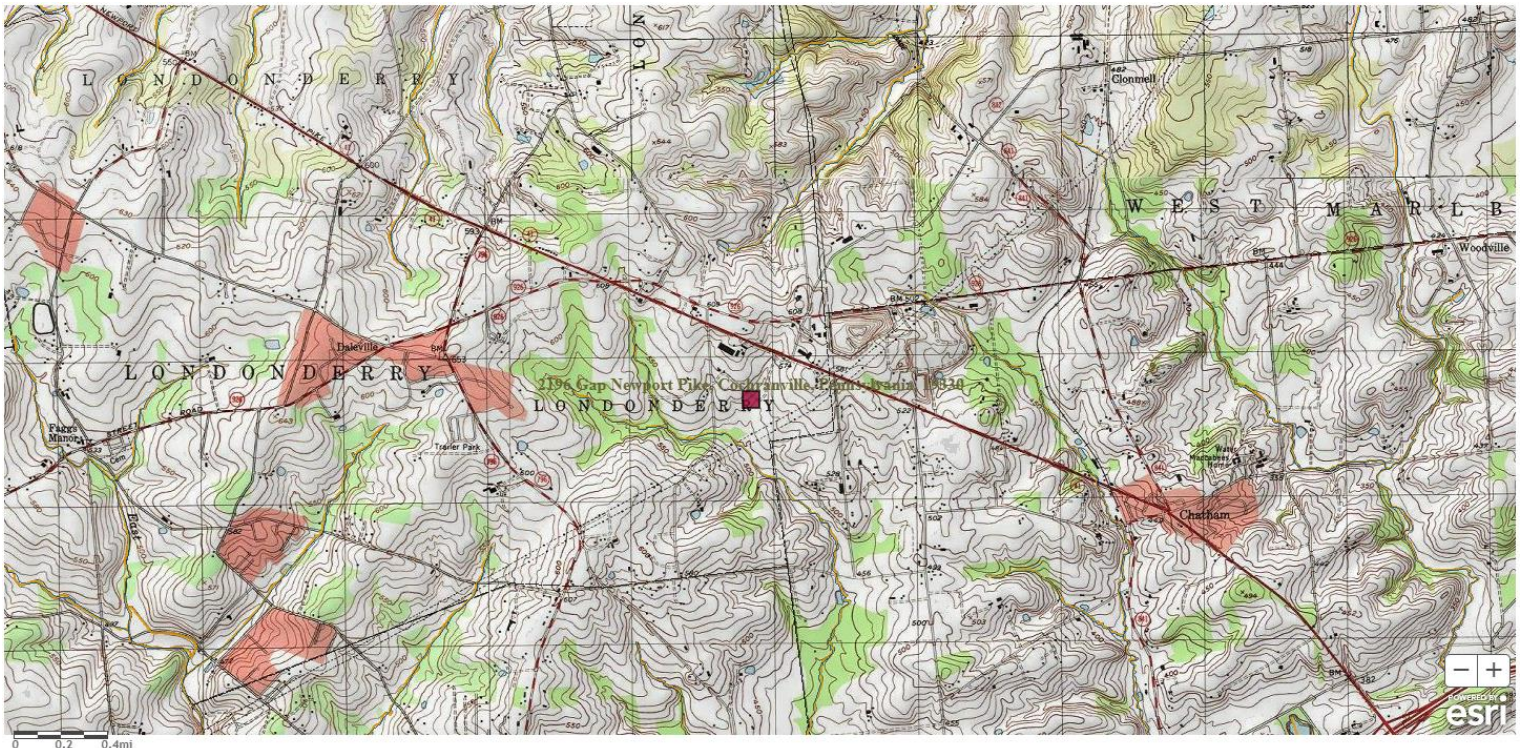
NPDES PERMIT FACT SHEET
CAFOs

Application No. PA0244597
APS ID 960210
Authorization ID 1422493

Applicant and Facility Information

Applicant Name	<u>Walmoore Holsteins Inc.</u>	Farm Name	<u>Walmoore Holstein Unit 2 Farm</u>
Applicant Address	<u>1826 Howell Moore Road</u> <u>West Grove, PA 19390-8716</u>	Farm Address	<u>2196 Gap Newport Pike</u> <u>Cochranville, PA 19330-9471</u>
Applicant Contact	<u>Walter Moore</u>	Farm Contact	<u>Walter Moore</u>
Applicant Phone	<u>(610) 869-3940</u>	Farm Phone	<u>(610) 869-3940</u>
Client ID	<u>156308</u>	Site ID	<u>547269</u>
SIC Code	<u>0211</u>	Municipality	<u>Londonderry Township</u>
SIC Description	<u>Agriculture - Beef Cattle Feedlots</u>	County	<u>Chester</u>
Date Application Received	<u>December 26, 2022</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>January 10, 2023</u>	WQM App. No.	<u>1517406</u>

Project Description Walmoore Holsteins Inc. submitted an application for Individual NPDES CAFO permit coverage Renewal for their existing dairy operation.



Approve	Deny	Signatures	Date
x		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Project Manager	06/05/2024
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	06/06/2024

Description:

Walmoore Holsteins Inc. submitted an application for Individual NPDES CAFO permit coverage renewal for their existing dairy operation located in Londonderry Township, Chester County. The operation houses animals at the Unit 2, Unit 3, and Unit 4 facilities. The liquid manure storages for this operation are located at the Unit 2 and Unit 3 facility locations.

The operation has the following animal population:

Animal Type	Number	AEUs
Holstein Lactating Cow	975	1,413.75
Holstein Dry Cow	75	108.75
Holstein Heifer:1 -2 yr.	405	405.00
Holstein Calf: 0-1 yr.	200	84.00
	Total AEUs =	2,011.50

The operation is not considered a CAO since the animal density does not exceed 2 AEUs/Acre. The operation is considered a large CAFO for being an agricultural operation exceeding 1,000 AEUs and for exceeding the EPA's large CAFO threshold of 700 mature dairy cows whether milked or dry.

The nearest receiving water to the main farm (Unit #2 facility) lagoons is Middle Branch White Clay Creek, designated as Trout Stocked Fishes and Migratory Fishes (TSF, MF), located in Watershed 3-I. This stream is impaired by agricultural nutrients, total suspended solids, and municipal point source discharge nutrients as well as by mercury and pathogens of unknown sources.

The nearest receiving water to the Heifer Farm Unit 3 is Tributary 00455 Of East Branch White Clay Creek, designated as Exceptional Value and Migratory Fishes (EV, MF), located in Watershed 3-I. This stream is impaired by agricultural nutrients and siltation as well as by mercury and pathogens from unknown sources.

Due to the operation being located in an Exceptional Value watershed, the Department's Individual CAFO permit is appropriate.

Manure/Nutrient Management:

The current NMP planned for crop year 2023 was approved on September 22, 2022. A yearly plan submission to extend the NMP approval through crop year 2024 was acknowledged by the Chester County Conservation District on September 25, 2023. There are 1,610.6 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 1.25 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported
Unit 2 (L1) Stage 1	9,544,200.0 gal	9,448,400.0 gal	0.0
Unit 2 (L2) Stage 2	8,979,200.0 gal	12,607,300.0 gal	0.0
Unit 2 (S) Sep Solids	2,980.0 tons	2,964.0 tons	0.0
Unit 2 (SP2) Solid	2,800.0 tons	4,093.0 tons	0.0
Unit 3 (LP3)	841,300.0 gal	2,502,000.0 gal	0.0
Unit 3 (SP3) Solid	4,200.0 tons	4,254.0 tons	0.0
Unit 4 (SP4) Solid	600.0 tons	4,135.0 tons	0.0

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Londonderry Farms 280 Whitehorse Road Cochranville PA 19330	0	2880 tons separated solids & 1,296,000 gallons Dairy	2880 tons separated solids & 1,296,000 gallons Dairy	0

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Supply of manure may be less than what is planned to be exported in the Exporter/Importer agreement above. The currently approved NMP was written with no plans for manure exportation. The Walmoore Holsteins Inc. to Londonderry Farms Exporter/Importer agreement was signed on October 15, 2023 following the approval of the current NMP. No NMP amendment is required to address the addition of a new importer if the operator submits the nutrient balance sheet and signed agreement to the delegated conservation district overseeing the exporting farm, prior to transport. The district shall verify the adequacy of the documentation, update the plan file with the new documentation and require formal approval of the new importer through a plan amendment when the plan is subject to the triennial review under § 83.362(c) (relating to plan implementation).

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 storages should have the following minimum freeboard by December 15th of each year to implement the NMP:

- Unit #2 Stage #1 HDPE Lagoon **2.1 ft**
- Unit #2 Stage #2 HDPE Lagoon **4.5 ft**
- Unit #2 Stage #3 HDPE Lagoon **15.9 ft**
- Unit #3 Earthen Picket Fence Lagoon **6.9 ft**

Manure Storage Facilities:

Storage	Type	Dimensions	Freeboard	Capacity
<i>Name</i>	<i>Liquid or solid</i>	<i>ft</i>	<i>Minimum regulatory</i>	<i>Gallons</i>
Unit #2 Stage #1 HDPE Lagoon	Liquid	300' x 85' x 7'	2 ft	1,305,358 gal
Unit #2 Stage #2 HDPE Lagoon	Liquid	423' x 172' x 12'	2 ft	3,576,836 gal
Unit #2 Stage #3 HDPE Lagoon	Liquid	180' x 280' x 16'	2 ft	3,210,000 gal
Unit #2 Earthen Picket Fence Lagoon	Liquid	82' x 45' x 7'	2 ft	53,451 gal
Unit #3 Earthen Picket Fence Lagoon	Liquid	105' x 50' x 7'	2 ft	130,920 gal

*Note that "Unit 2" and "Unit 3" refers to the facility where the storage is located.

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 1517406 by the Department effective 11/01/2017.

Stage 1 HDPE, Stage 2 HDPE, Stage 3 HDPE, Unit 2 Earthen Picket Fence, and Unit 3 Earthen Picket Fence were most recently certified by Matthew D. Brubaker (PE074213) on December 20, 2022.

Unit 2 facility has a concrete separated solids stacking area with dimensions 30'x70'x8' and a storage volume of 16800 cubic feet.

Unit 4 facility has an earthen with concrete bottom solid storage with dimensions 50'x50'x8' and a solid manure capacity of 600 tons.

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BMPs:

Although this operation is not in the Chesapeake Bay watershed (right outside the border of the Chesapeake Bay Watershed), 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 relative to the Chesapeake Bay TMDL. 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 (HDPE Lagoons and Earthen Lagoons)
- Mortality Management (Rendered)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2023 NMP or 2024 NMP Crop Year extension.

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:

All mortality is rendered.

Animal Concentration Areas (Chapter 102.4a):

The operation has travel lanes and barnyards. Stormwater from roofs and upslope areas is diverted from ACA's with manure being scraped/flushed to manure storage facilities.

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:

The Pennsylvania Delaware state line is located 15 miles downstream of the operation. The nearest downstream public water supply intake is located beyond the state line. This operation is not expected to impact any public water supplies.

Compliance History:

There are no open violations for this operation.

Special Conditions C (Flush Water), D (Winter Spreading), and E (Land Application of Manure) shown on the previously issued CAFO permit for this operation (effective August 1, 2018) were not included in the draft permit as they are general requirements that all CAFOs are required to comply with under Act 38.

On August 30, 2022 EPA performed a CEI with staff from DEP Southeast Regional Office. No violations were noted from that inspection.

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

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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.