

Application Type Renewal
Facility Type CAFO
Permit Type Individual

**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0229067
APS ID 939900
Authorization ID 1180489

Applicant and Facility Information

Applicant Name	<u>Murmac Farms LLC</u>	Farm Name	<u>Murmac Farms</u>
Applicant Address	<u>2336 Zion Road</u> <u>Bellefonte, PA 16823-6704</u>	Farm Address	<u>2336 Zion Road</u> <u>Bellefonte, PA 16823-6704</u>
Applicant Contact	<u>Brian Craig</u>	Farm Contact	<u>Brian Craig</u>
Applicant Phone	<u>(814) 383-4633</u>	Farm Phone	<u>(814) 383-4633</u>
Client ID	<u>223030</u>	Site ID	<u>680329</u>
SIC Code	<u>0241</u>	Municipality	<u>Spring Township</u>
SIC Description	<u>Agriculture - Dairy Farms</u>	County	<u>Centre</u>
Date Application Received	<u>April 26, 2017</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>January 2, 2019</u>	WQM App. No.	<u>1414201</u>

Project Description Murmac Farms LLC submitted an application for IP CAFO permit renewal for their existing dairy operation



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	June 28, 2022
X		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	7/13/2022

Description:

Murmac farms is an existing dairy operation located in Spring Township, Centre County. The operation is considered a CAO for exceeding 8 AEUs and having an animal density exceeding 2 AEUs/Acre. The operation is a large CAFO for being a CAO that exceeds 300 AEUs, for exceeding 1000 AEUs, and for exceeding the EPA large CAFO threshold of 700 mature dairy cows, whether milked or dry. The operation has the following animal population:

Animal Type	Number	AEUs
Holstein Lactating Cow	1,650	2,392.50
Holstein Dry Cow	225	326.25
Holstein Heifer: 1 -2 yr.	300	300.00
	Total AEUs =	3,018.75

The nearest receiving water is Tributary 22940 of Nittany Creek, designated as Cold-Water Fishes and Migratory Fishes (CWF, MF), located in Watershed 9-C. This stream is not impaired by Department Standards.

The operation is also located near Tributary 22968 to Spring Creek, designated as Cold-Water Fishes and Migratory Fishes (CWF, MF), located in Watershed 9-C. This stream is not impaired by Department Standards.

Manure/Nutrient Management:

The current NMP was approved on October 13, 2021, for crop years 2022, 2023, and 2024. There are 1,182.0 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 2.55 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Liquid Spring	7,704,700.0 gal	8,555,600.0 gal	0.0
Liquid Fall	7,518,000.0 gal	7,944,700.0 gal	0.0
Liquid Winter	3,668,950.0 gal	4,341,600.0 gal	0.0
Solid Fall	1,020.0 tons	990.0 tons	0.0
Solid Spring	1,975.00 tons	2,699.00 tons	0.0

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
There is no manure exported from this operation				

Winter Manure Management:

Application of manure during the winter period is approved in the NMP for fields 1, 3, 4, 5, A1, A2, A3, A4, G1, G2, HB4, HB6, HM3, HM4, HM5, K2, K3, K4, LY1, LY2, P1, LY3, R5, R7, Z1, CL1, and TC1.

Manure storage facilities should have adequate freeboard on December 15 to implement the NMP. For winter manure application to not be necessary, the following freeboards must be acquired by December 15th:

- HDPE Stage 1 Storage: 6.5 ft
- HDPE Stage 2 Storage: 4.7 ft
- Silage Runoff Circular Tank: 2.3 ft

Manure Storage Facilities:

Storage	Type	Freeboard (min. regulatory)	Usable Capacity @ freeboard
HDPE Stage #1	Liquid	2 ft	1.2 MG
HDPE Stage #2	Liquid	2 ft	8.3 MG
Silage Runoff Circular Tank	Liquid	2 ft	211,950 gallons

The manure storages listed above are covered under WQM 1414201 which was issued by the Department on March 5, 2014.

This operation is not proposing to construct any manure storages.

Animal Mortality:

The mortalities will be composted on the operation in the designated mortality composting area as shown in the NMP.

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 or Conservation Plans have been included or verified to exist for land subjected to plowing and tilling activities.

Downstream Public Water Supplies:

The nearest downstream public water intake is located over 87 miles downstream at the PA American Milton Plant. This facility is not expected to adversely impact any public water supplies

Compliance History:

There are no open violations that would affect issuance of coverage.

The following special condition has been added to the permit:

- Permanent vertical depth markers clearly marked in increments of feet are required in HDPE Stage #1 and HDPE Stage #2.

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.