

Application Type Renewal
Facility Type CAFO
Permit Type Individual

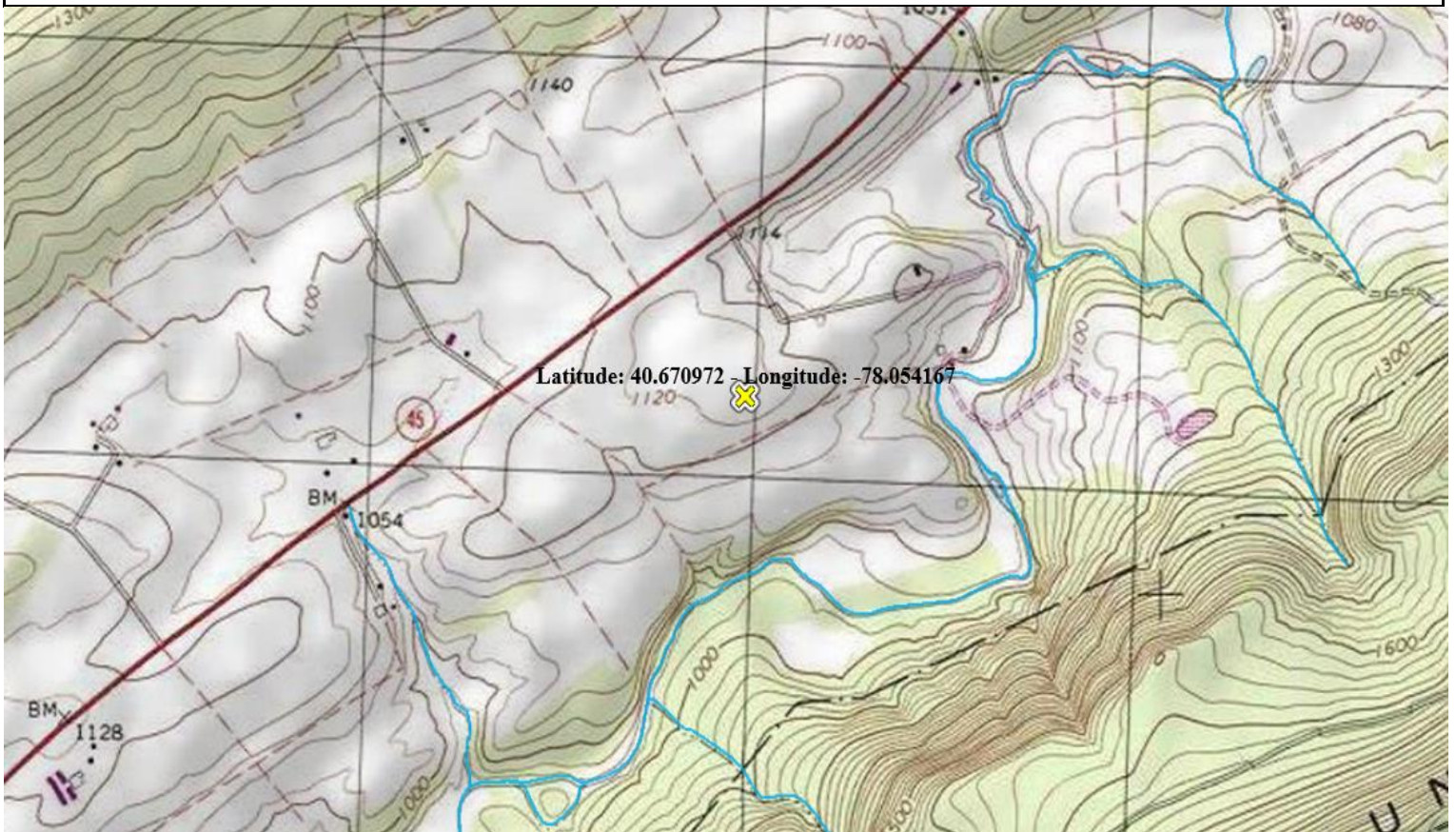
**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0088561
APS ID 331794
Authorization ID 1226813

Applicant and Facility Information

Applicant Name	<u>Evergreen Farms Inc.</u>	Farm Name	<u>Evergreen Farms CAFO</u>
Applicant Address	<u>3102 Evergreen Lane</u> <u>Spruce Creek, PA 16683-1508</u>	Farm Address	<u>3102 Evergreen Lane</u> <u>Spruce Creek, PA 16683-1508</u>
Applicant Contact	<u>Andrew Harpster</u>	Farm Contact	<u>Andrew Harpster</u>
Applicant Phone	<u>814-883-7341</u>	Farm Phone	<u>814-883-7341</u>
Client ID	<u>145612</u>	Site ID	<u>538993</u>
SIC Code	<u>0241</u>	Municipality	<u>Franklin Township</u>
SIC Description	<u>Agriculture - Dairy Farms</u>	County	<u>Huntingdon</u>
Date Application Received	<u>April 30, 2018</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>May 3, 2018</u>	WQM App. No.	<u>3111202, 3111201, 3101202, 3111202</u>

Project Description Evergreen Farms submitted an application for renewal of a CAFO permit for an existing dairy operation.



Approve	Deny	Signatures	Date
X		Jared Lescavage / Environmental Engineering Specialist	January 13, 2020
		Scott M. Arwood, P.E. / Environmental Engineer Manager	

Description:

Evergreen Farms is a dairy operation with several satellite farms consisting of 3,290 mature Holstein cows, 2,680 Holstein heifers, 1,875 Holstein calves, and 30 Holstein bulls. The operation is in Huntingdon and Center Counties. The total AEU for the operation are 7,533.19 which is a decrease from the previous NMP value of 8,356.68. The animal concentration is 1.37 AEU/acre. The satellite farms are the Peterson Farm, the Dink Farm, the Rhodes LeCrone Farm, and the Rider Farm. There are animals (horses and sheep) identified in Appendix 2 that are not under Evergreen Farms' management control and are not included in Appendix 3. With such a high number of AEU, the inclusion or exclusion of these animals is negligible.

The nearest receiving streams are Spruce Creek (HQ-CWF, MF), Halfmoon Creek (HQ-CWF, MF), Little Juniata River (CWF, MF), Robinson Run (WWF, MF), Emma Creek (WWF, MF), Frankstown Branch of the Juniata River (WWF, MF), Reeds Run (HQ-CWF, MF), Warriors Mark Run (HQ-CWF, MF), Fowler Run (HQ-CWF, MF), and Shaver Creek (HQ-CWF, MF). The numerous special protection classifications require an Individual CAFO permit.

Manure/Nutrient Management:

The NMP was approved on October 3, 2019. There are 5,500.6 acres available for manure application on lands owned or rented by the applicant for manure application according to the NMP. Appendix 3 of the NMP does not indicate any manure is exported, even though there are Importer/Exporter agreements in Appendix 8.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
MG1 Main Dairy Liquid Fall	13,907,842 gal	19,210,500 gal	0
MG2 Main Dairy Liquid Winter	8,873,460 gal	8,207,280 gal	0
MG 3 Main Dairy Liquid Spring	9,670,942 gal	15,145,437 gal	0
MG4 Main Dairy Liquid Summer	2,833,920 gal	4,401,360 gal	0
MG5 Peterson Dairy Liquid Fall	1,135,880 gal 252 ton	697,680 gal 85.4 ton	0
MG6 Peterson Dairy Liquid Winter	1,160,000 gal	650,888 gal	0
MG7 Peterson Dairy Liquid Spring	1,340,000 gal	697,500 gal	0
MG8 Peterson Dairy Liquid Summer	1,000,000 gal 168 ton	516,000 84.5 ton	0
MG9 Dink Dairy Liquid Fall	800,000 gal 950.4 ton	864,000 gal 317.3 ton	0
MG10 Dink Dairy Liquid Spring	800,000 gal 648 ton	864,000 gal 216.1 ton	0
MG11 Rhodes LeCrone Dairy Liquid Fall	1,790,000 gal 228.3 ton	2,143,800 gal 88.8 ton	0
MG12 Rhodes LeCrone Dairy Liquid Spring	2,754,000 gal	1,840,680 gal	0
MG13 Rhodes LeCrone Dairy Liquid Summer	300,000 gal 708 ton	303,120 gal 240.5 ton	0
MG14 Rider Dairy Liquid Fall	1,070,000 gal	1,990,122.3 gal	0
MG15 Rider Dairy Liquid Spring	1,070,000 gal 776.7 ton	1,932,480 gal 135.8 ton	0
MG16 Dairy Solid	16,886.4 ton	24,341.3 ton	0

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Scott Cox 2320 Harshberger Lane Warriors Mark, PA 16877	5,552 tons 2,498,400 gallons	0	5,552 tons 2,498,400 gallons	1,934 tons 676,900 gallons
Earl Lake 7952 Lake Lane Pennsylvania Furnace, PA 16865	2,216,000 gallons	0	1,468,000 gallons	1,896,000 gallons

Winter Manure Management:

Several fields are designated to receive winter manure. The list includes Rider 1, Rider 5, Rider 10, Rider 12, Rider 13, B1, B3, B4, B7, B8, B9, B13, CF1, CF3, CF4, CF8, CF10, CF13, CF17, J1, J2A, J2B, J3, J6, J7, J8, J9, M4A1, Mc1, Mc3A, Mc3B, Mc3C, Mc5, Mc6B, Mc9, Mc10, L5, L6, L7, L9, L12, L13, L14, OL4B, OL4C, OL7B, OL7C, OL8, OL12, OL16, C1B, C5, G4A, G4B, G5, E3A, E9, E10A, E10B, E10C, W1B, W2, W4, W5, W6, W7, P1, P2, P6A, H4, H5, H6, H8, H15, K3, K4A, K4B, K7, K8, K9, LOL1, LOL2, HK1, HK2, HK3, HK4, N1, N2, N7, N8, N13, N14, N15, N16, N17, N19, N20, N21A, N21B, T1, T2, T3, T4, T5, T6, COX1, COX2, COX3, COX4, LM1, LM2, LM3, LM4, LM5, LM6, LM7, Black1, RM1, RM2, RM3, RM4, RM5, RM6, Reed1, F1, F3, F5, F6, F8, F10, and FPP. Fields B4_NWMA, CF1_NWMA, CF8_NWMA, M1_NWMA, M2A_NWMA, Mc3B_NWMA, OL5_NWMA, and C7B_NWMA do not receive winter manure.

Winter manure storages will have to meet the required freeboard by December 15. Pit 1 needs to have a minimum freeboard of 5.2 feet to contain the 571,208-gallon winter volume. Pit 2 will need to contain 237,620 gallons of winter storage requiring a 3.7-foot freeboard. Pit 3 needs a freeboard of 7.9 feet to contain 1,728,552 gallons of winter manure. Pit 5 requires a 2.2-foot freeboard for 32,514 gallons of winter storage. Pit 6 requires a 4.8-foot freeboard for the 603,747 gallons of winter storage. Pit 7 requires a 2.2-foot freeboard for the 27,740 gallons of winter manure. Pit 8 requires a 3.1-foot freeboard for the 148,270 gallons of winter manure. Pit 9 requires a 5.8-foot freeboard for the 166,592-gallon winter storage. Pit 10 requires a 2.03-foot freeboard to contain 147,953 gallons of manure. Pit 11 requires an 8.1-foot freeboard to hold 4,820,000 gallons. Pit 12 will store 129,234 gallons of winter manure requiring a 6.7-foot freeboard. Pit 17 will require a 1.8-foot freeboard to contain 445,000 gallons of winter manure. Pit 18 requires a 3.2-foot freeboard to hold 95,337 gallons of winter manure.

Manure Storage Facilities:

The Main Dairy Circular Concrete Storage (Pit #1) is 160 feet x 16 feet with a 2,405,089-gallon capacity requiring a 1-foot freeboard creating a 2,254,771-gallon useable capacity. The Main Dairy wastewater storage basin (Pit #2) is 450 ft x 145 ft x 10 ft with a 3,596,172-gallon capacity requiring a 2-foot freeboard creating a 2,898,251-gallon useable capacity. The Main Dairy Earthen Storage Basin (Pit #3) is 700 ft x 100 ft x 8 ft with a 2,833,491-gallon capacity requiring a 2-foot freeboard creating a 2,275,416-gallon useable capacity. The Main Dairy Separator Pit (Pit # 4) is a 20 foot x 14 foot circular pit with a capacity of 32,882 gallons requiring a 2-foot freeboard creating a 28,185-gallon useable capacity. There is a new 3,288,208-gallon round concrete storage (Pit # 10) at the main dairy with dimensions 200 ft x 14 ft requiring a 1-foot freeboard creating a useable volume of 3,053,000 gallons. The Main Dairy also has a 30,000-gallon underground leachate storage (Pit # 19).

The Peterson Farm Front Pit (Pit # 5) is 75 ft x 50 ft x 5 ft 10 in with a total capacity of 171,262.08 gallons and a required 1-foot freeboard. The Useable volume is 138,918.6 gallons. The Peterson Farm Back Pit (Pit # 6) is 325 ft x 90 ft x 7 ft with a required 2-foot freeboard and a useable capacity of 607,091.6 gallons. The Uncle Gary solid manure storage (Pit # 14) is 25 ft x 50 ft x 8 ft pit capable of holding 175 tons. The Free Stall Solid Manure Storage (Pit # 15) is 20 ft x 50 ft x 9 ft and capable of holding 158 tons. Another Solid Manure Storage (Pit # 16) with dimensions 18 ft x 50 ft x 5 ft capable of holding 79 tons.

The LeCrone Farm Circular Concrete Tank (Pit # 7) is 76 ft x 12 ft with a 1-foot freeboard creating a 373,259-gallon useable capacity.

The Rhodes Farm Earthen Manure Storage (Pit # 8) is 90 ft x 200 ft x 10 ft requiring a 2-foot freeboard with a total capacity of 1,346,400 gallons and a 1,077,120-gallon useable capacity.

Dink Farm has an 80 ft x 12 ft Circular Concrete Storage (Pit # 9) with a 1-foot freeboard, a total capacity of 451,182 gallons, and a useable capacity of 413,548 gallons.

The Keatley Farm has a 750 ft x 215 ft x 16 ft HDPE Lined Lagoon (Pit # 11) with a total capacity of 13,913,954 gallons requiring a 2-foot freeboard creating a useable capacity of 11,573,112 gallons.

The Oliver East Farm has an 85 ft x 110 ft x 10 ft Earthen Manure Storage (Pit # 12) with 699,380-gallon total storage requiring a 1-foot freeboard creating a useable capacity of 629,442 gallons. There is a 36 ft x 55 ft x 6 ft Solid Manure Storage (Pit # 13) capable of storing 208 tons.

There is an underbarn heifer barn storage (Pit # 17) at the Rider Farm with dimensions 111 ft 4 in x 424 ft x 8 ft requiring a 6-inch freeboard. The total capacity is 2,823,924 gallons with a useable capacity of 2,647,426 gallons. There is also a 65 ft x 90 ft x 8 ft Rectangular Concrete Storage (Pit # 18) with a 350,064-gallon total storage requiring a 1-foot freeboard creating a 306,306-gallon useable capacity.

Pit 1 has a 4" perforated pipe perimeter drain tile. Pit 3 has a 4" perforated pipe perimeter drain tile. Pit 7 has a 4" perforated pipe perimeter drain tile. Pit 9 has a 4" perforated pipe perimeter drain tile. Pit 10 has a 4" perforated pipe perimeter drain tile. Pit 11 has a 4" perforated pipe perimeter drain tile. Pit 17 has a leak detection system consisting of a perforated pipe in a stone trench located around the footing of the bar connected to a solid pipe at the observation well. No other leak detection or perimeter drains are identified in the Existing Manure Storage Facility Certification reports.

Animal Mortality:

The NMP identifies the Main Dairy and Peterson Farm as the only two locations that compost animal mortalities. They are both continuous composting with no land application.

Animal Concentration Areas (Chapter 102.4a):

A BMP is in place to address the AHUAs adjacent to KPP3A and KPP2. A fence is in place to protect KPP3A and EF8PP.

NMP Appendix 6 lists ACAs identified as HUAP at Rider Farm, HUAP at Rhodes Farm, Bressler Farm – ACA behind barn in BPP, Oliver East Farm – Small aca west of barn in in OLPP, Keatley Farm – small ACA between heifer barn and stream in KPP2, Newlin Farm – ACA in NPP3, ACA adjacent to barn in BPP, ACA at Manor Barn, Aca near barn in in field EPP2, ACAs at Peterson Farm fields PP1, PP2, PP3, ACAs at Keatley Farm near barn KPP3A, Aca adjacent to barn in NPP2, ACAs at the dink farm fields EF8PP, EF13PP, ACA adjacent to barn in field LCPP2, ACA at LeCrone Farm, Feed Storage Area.

Chapter 102 E&S (Conservation Plans):

Several conservation plans were developed by USDA for Evergreen Farms and submitted with the renewal application. The NMP indicates a proposed storage at the Rider Farm; however, the exact size has yet to be determined.

Downstream Public Water Supplies:

There is a Community Public Water Supply System, Franklinville Water Co, approximately 2.8 miles downstream from the Main Dairy on Spruce Creek.

Compliance History:

Violation ID	Date	Violation Description
841170	02/04/2019	Failure to prevent sediment or other pollutant discharge into waters of the Commonwealth.
		Resolution: Corrected/Abated
		PA Code Legal Citation: 35 PS 691.401 : PA Code Website
		Violation Type: Environmental Health & Safety
		Enforcement Type: No Enforcement Data
Violation ID	Date	Violation Description
841169	02/04/2019	Agriculture - Failure to provide minimum regulatory freeboard in a manure storage facility
		Resolution: Corrected/Abated
		PA Code Legal Citation: 25 Pa. Code 91.36(a)(6) : PA Code Website
		Violation Type: Environmental Health & Safety
		Enforcement Type: No Enforcement Data
Violation ID	Date	Violation Description
841168	02/04/2019	Agriculture - Failure to design, construct and operate a manure storage facility to applicable standards or otherwise obtain a WQM permit for a manure storage facility
		Resolution: Compliance Schedule Agreed To
		PA Code Legal Citation: 25 Pa. Code 91.36(a)(1) : PA Code Website
		Violation Type: Environmental Health & Safety
		Enforcement Type: No Enforcement Data
Violation ID	Date	Violation Description
585274	03/26/2010	Polluting substance(s) allowed to discharge into Waters of the Commonwealth.
		Resolution: Corrected/Abated
		PA Code Legal Citation: P.L. 1987 401 : PA Code Website
		Violation Type: Environmental Health & Safety
		Related Enforcements
		Please note: the following related enforcement data is accumulated from possibly many different sites/facilities that may be unrelated to the facility for this inspection.

		Enforcement ID: 266374 Enforcement Type: Notice of Violation Date Executed: 04/19/2010 Taken Against: EVERGREEN FARMS INC On Appeal? N Enforcement Status: Superseded # of Violations Addressed by this Enforcement and Penalty Action (possibly from many facilities): 1	Penalty Final Date: Penalty Amount Assessed: Total Amount Due: Total Amount Collected: Penalty Status:
		<p>Please note: the following related enforcement data is accumulated from possibly many different sites/facilities that may be unrelated to the facility for this inspection.</p> Enforcement ID: 266376 Enforcement Type: Consent Assessment of Civil Penalty Date Executed: 07/14/2010 Taken Against: EVERGREEN FARMS INC On Appeal? N Enforcement Status: Comply/Closed # of Violations Addressed by this Enforcement and Penalty Action (possibly from many facilities): 1	Penalty Final Date: 07/14/2010 Penalty Amount Assessed: 600 Total Amount Due: 0 Total Amount Collected: 600 Penalty Status: Completed

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.