

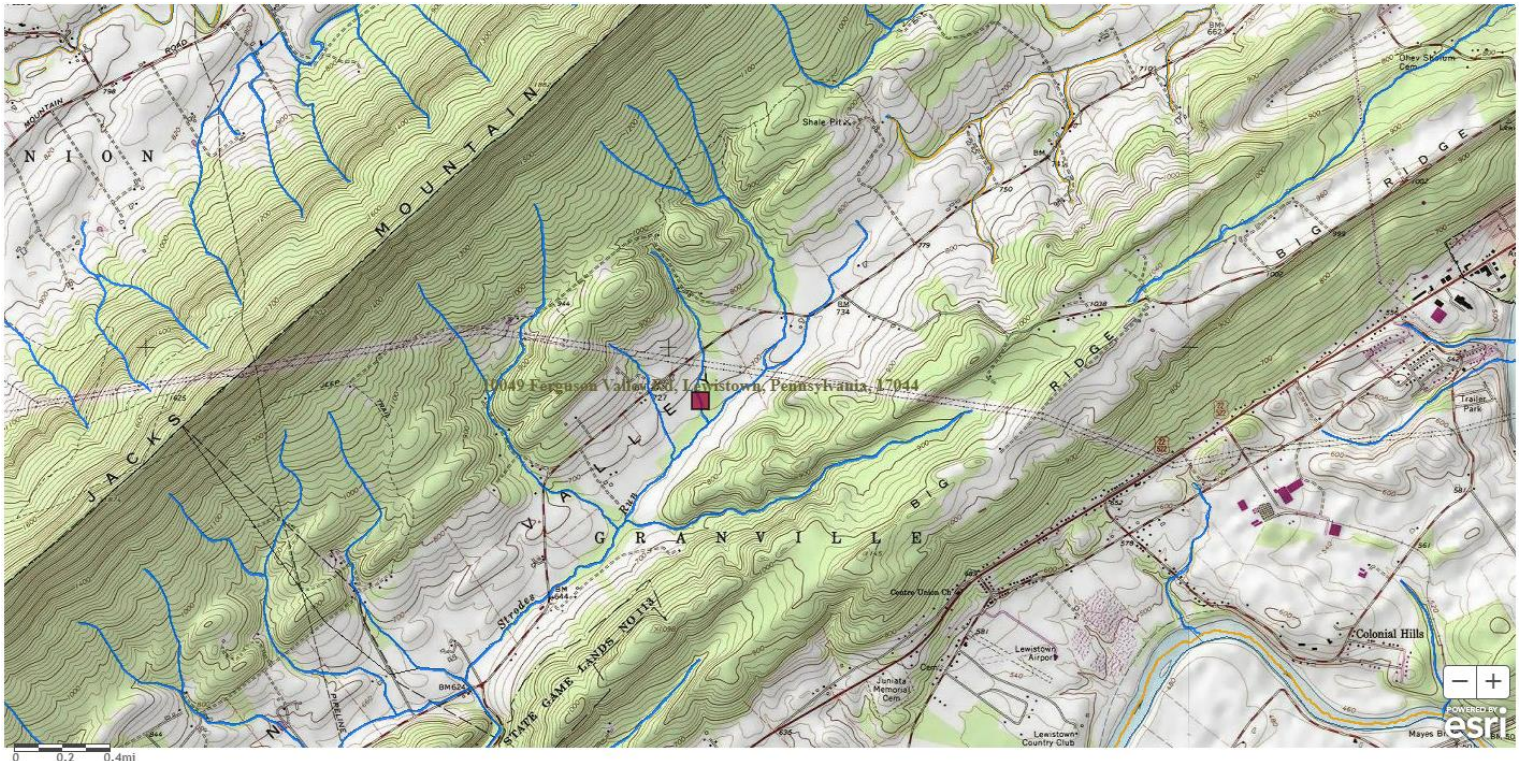
Application Type Renewal  
Facility Type CAFO  
Permit Type Individual

## NPDES PERMIT FACT SHEET CAFOs

Application No. PA0246441  
APS ID 357889  
Authorization ID 1502642

### Applicant and Facility Information

Applicant Name	<u>Deer Stone Ag., Inc.</u>	Farm Name	<u>Willow Brook Farm</u>
Applicant Address	<u>10049 Ferguson Valley Road</u> <u>Lewistown, PA 17044-8601</u>	Farm Address	<u>10049 Ferguson Valley Road</u> <u>Lewistown, PA 17044-8601</u>
Applicant Contact	<u>Drew Derstein</u>	Farm Contact	<u>Drew Derstein</u>
Applicant Phone	<u>(717) 248-5172</u>	Farm Phone	<u>(717) 248-5172</u>
Client ID	<u>160377</u>	Site ID	<u>552886</u>
SIC Code	<u>0212,0213</u>	Municipality	<u>Granville Township</u>
SIC Description	<u>Agriculture - Beef Cattle, Except Feedlots,</u> <u>Agriculture - Hogs</u>	County	<u>Mifflin</u>
Date Application Received	<u>October 11, 2024</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>October 16, 2024</u>	WQM App. No.	<u>N/A</u>
Project Description	<u>Deer Stone Ag., Inc. submitted an application for Individual NPDES CAFO permit renewal for their existing swine and beef operation.</u>		



Approve	Deny	Signatures	Date
x		Hans D. Shollenberger Hans D. Shollenberger / Project Manager	10/17/2024
x		Scott M Arwood Scott M. Arwood, P.E. / Environmental Engineer Manager	10/17/2024

**Description:**

Deer Stone Ag., Inc. submitted an application for Individual NPDES CAFO permit renewal for their existing swine and beef operation located in Granville Township, Mifflin County. The operation has the following animal population:

Animal Type	Number	AEUs
Gestating sow	1,200	540.00
Sow and litter	200	94.00
Nursery pig: 3–10 wk.	4,000	140.00
Beef Cow	12	16.80
Beef Finishing: 8–24 mo.	3	2.85
Beef Calf: 0–8 mo.	12	2.37
Boar	10	4.50
	<b>Total AEUs =</b>	<b>800.52</b>

The operation is considered a CAO for exceeding 8 AEUs while exceeding an animal density of 2 AEUs/Acre. The operation is considered a large CAFO for being a CAO that exceeds 300 AEUs.

The nearest receiving water to the operation is Tributary 12648 to Strodes Run, designated as High Quality Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 12-A. This stream is not impaired by Department standards. Since the operation is located in a High Quality Watershed, the Department's Individual CAFO permit is appropriate for this operation.

**Manure/Nutrient Management:**

The current NMP was approved on June 20, 2023, for crop years 2024, 2025, and 2026. There are 24.2 acres available on lands owned by the applicant for manure application according to the NMP, resulting in a density of 33.08 AEUs/acre.

*Manure Group Information:*

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Stage 1 - Fall Export	330,000.0 gal	0.0	330,000.0 gal
Stage 1 - Spring Export	330,000.0 gal	0.0	330,000.0 gal
Stage 2 - Fall Export	1,700,000.0 gal	0.0	1,700,000.0 gal
Stage 2 - Spring Export	1,700,000.0 gal	0.0	1,700,000.0 gal
Pen Pack	150.0 tons	177.6 tons	0.0
Pen Pack - uncollected	272.6 tons	272.7 tons	0.0
Mortality Compost	40.0 tons	16.0 tons	24.0 tons

*Exported Manure:*

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Stone Hollow LLC 10063 Ferguson Valley Road, Lewistown, PA 17044	400,000 gal Swine	400,000 gal Swine	400,000 gal Swine	0
Steve Smith 9594 Ferguson Valley Road, Lewistown, PA 17044	Stage 1 300,000 gal & Stage 2 500,000 gal	Stage 2 500,000 gal	Stage 1 100,000 gal & Stage 2 470,000 gal	0

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Joseph Laughlin 10375 Ferguson Valley Road, Lewistown, PA 17044	Stage 1 300,000 gal & Stage 2 500,000 gal	200,000 gal	Stage 1 300,000 gal & Stage 2 300,000 gal	0
Buck Run Farms Duane Aurand 87 Buck Run Lane, Lewistown, PA 17044	Stage 1 150,000 gal & Stage 2 300,000 gal	Stage 2 50,000 gal	Stage 2 300,000 gal	0
Chris Setzler 10762 Ferguson Valley Road, Lewistown, PA 17044	Stage 1 100,000 gal & Stage 2 250,000 gal	Stage 2 50,000 gal	Stage 2 250,000 gal	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 not approved in the NMP.

The Stage 2 HDPE Lagoon should have a minimum freeboard of 6.8ft by December 15<sup>th</sup> of each year to implement the NMP.

**Manure Storage Facilities:**

Storage	Type	Dimensions	Freeboard	Usable Capacity @ Freeboard
<i>Name</i>	<i>Liquid or solid</i>	<i>Ft x ft</i>	<i>Minimum regulatory</i>	<i>Gallons or cubic feet</i>
Stage 1 HDPE Lagoon	Liquid	114' x 127' x 12'	1 ft	573,000 gallons
Stage 2 HDPE Lagoon	Liquid	131' x 248' x 12'	1 ft	1,394,000 gallons

All liquid swine manure is stored in the two stage HDPE-lined lagoon system. The operation is not required to have a WQM permit for the existing lagoons because they were constructed in the year 1995 predating 25 Pa. Code § 91.36(a)(4)(i)(A).

There are no proposed manure storage facilities, no plans to field stack manure, and no planned alternative manure technology practices for this operation.

**BMPs Applicable to the Chesapeake Bay TMDL:**

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

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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-Lined Lagoons)
- Mortality Management (Composting)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2024 to 2026 NMP.

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:**

Mortalities are composted in the roofed mortality composting shed utilizing sawdust as the primary composting material.

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

There are two ACAs on this operation. There is a pasture/ACA located to the southeast of the farrowing barns where the beef cows and calves have access to roam. The other ACA is a barnyard exercise lot for the beef steers that is located outside of the steer barn, north of the swine barns.

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

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

**Downstream Public Water Supplies:**

The nearest downstream public water supply intake to the Willow Brook farm is the Mifflintown Municipal Authority intake in the Juniata River in Juniata County, over 20 miles downstream from the CAFO. This operation is not expected to adversely 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.