

Application Type

Renewal

Facility Type

CAFO

Permit Type

Individual

Application No.

PA0234052

APS ID

747774

Authorization ID

1381719
 NPDES PERMIT FACT SHEET  
CAFOs

**Applicant and Facility Information**

Applicant Name	<u>James W Showers</u>	Farm Name	<u>Showers Farm-Finisher</u>
Applicant Address	<u>767 Gray Hill Road</u>	Farm Address	<u>767 Gray Hill Road</u>
	<u>New Columbia, PA 17856-9407</u>		<u>New Columbia, PA 17856-9407</u>
Applicant Contact	<u>James Showers</u>	Farm Contact	<u>James Showers</u>
Applicant Phone	<u>(570) 238-0517</u>	Farm Phone	<u>(570) 238-0517</u>
Client ID	<u>287309</u>	Site ID	<u>747615</u>
SIC Code	<u>0211,0213</u>	Municipality	<u>White Deer Township</u>
SIC Description	<u>Agriculture - Beef Cattle Feedlots, Agriculture - Hogs</u>	County	<u>Union</u>
Date Application Received	<u>August 12, 2021</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>January 25, 2022</u>	WQM App. No.	<u>N/A</u>

 Project Description  
 James W Showers submitted an Individual CAFO permit renewal application for his existing swine and beef operation.


Approve	Deny	Signatures	Date
<input checked="" type="checkbox"/>		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Project Manager	03/10/2025
<input checked="" type="checkbox"/>		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	03/10/2025

**Description:**

James W Showers submitted an Individual CAFO permit renewal application for his existing swine and beef operation located in White Deer Township, Union County. The operation has the following animal population:

Animal Type	Number	AEUs
Swine grow finish: 10–28 wk.	2,400	363.45
Beef Cow	20	28.00
Light Horse Mature	1	1.10
Beef Calf: 0-8 mo.	19	4.69
	<b>Total AEUs =</b>	<b>397.24</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 stream to the operation is Tributary 19188 to White Deer Creek, designated for High Quality-Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 10-C. The stream is not impaired by Department Standards.

Also listed as a receiving stream to the operation in the NMP is Tributary 19141 to West Branch Susquehanna River, designated for Warm Water Fishes and Migratory Fishes (WWF, MF), located in Watershed 10-C. The receiving stream is impaired by agriculture siltation, highway/road/bridge runoff siltation, and pathogens of an unknown source.

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 September 13, 2023, for crop years 2024, 2025, and 2026. There are 105.1 acres available on lands owned by the applicant for manure application according to the NMP, resulting in a density of 3.78 AEUs/acre.

*Manure Group Information:*

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Hogs	502,200.0 gal	189,280.0 gal	313,000.0 gal
Beef/Horse	120.0 tons	129.0 tons	0.0
Beef/Horse - uncollected	334.4 tons	334.6 tons	0.0
Swine Compost	30.0 tons	29.2 tons	0.0

*Exported Manure:*

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Platt Farms 125 Platt Lane, New Columbia PA 17856	166,900 gallons Swine	0	166,900 gallons Swine	0
PM Farms 125 Platt Lane, New Columbia PA 17856	705,000 gallons Swine	0	705,000 gallons Swine	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.**

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*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 Concrete Underbarn Pit must have a minimum freeboard of 2 feet by December 15<sup>th</sup> of each year to implement the NMP.

**Manure Storage Facilities:**

Storage	Dimensions	Minimum Required Regulatory Freeboard	Usable Capacity (@ freeboard)
Concrete Underbarn Pit	81' x 245' x 6'	6"	816,243 gallons

The manure stacking shed measures 37' 7" x 36' 8" x 4' with a capacity of 132 tons.

There are no plans to field stack manure, no proposed manure storage facilities, 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 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 (Concrete Underbarn Manure Storage)
- Mortality Management (Composting)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2024 to 2026 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:**

Mortalities on the operation are composted in a composting building which is cleaned out on an as needed basis.

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

There are no ACAs on this operation.

**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.

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**Downstream Public Water Supplies:**

The nearest downstream public water supply intake is located over 9 miles downstream on the Susquehanna River by PA American White Deer. This facility 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.