

Application Type

Renewal

Facility Type

CAFO

Permit Type

Individual

Application No.

PA0228982

APS ID

963717

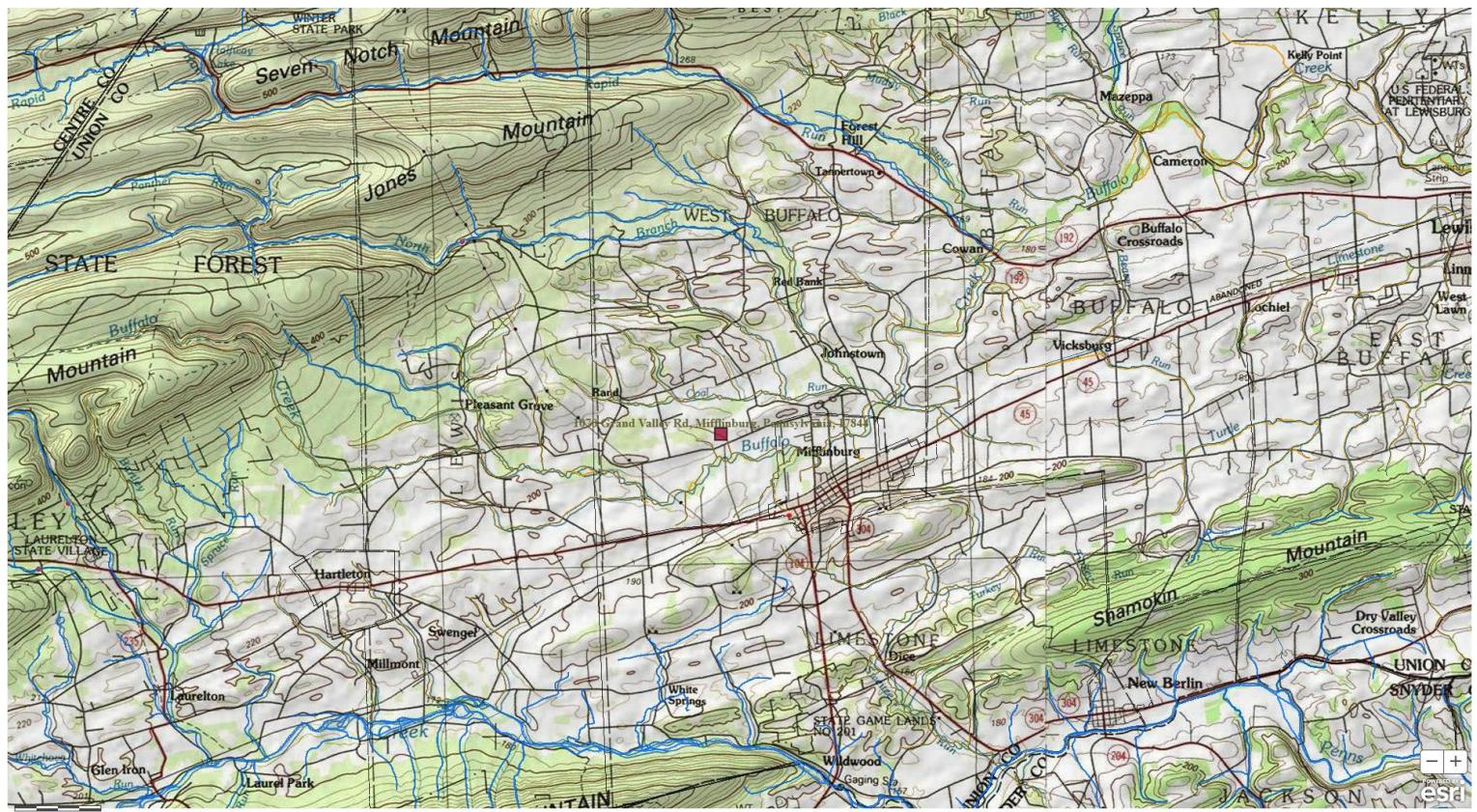
Authorization ID

1443682

## NPDES PERMIT FACT SHEET CAFOs

### Applicant and Facility Information

Applicant Name	<u>James Kurtz</u>	Farm Name	<u>James Kurtz Farm</u>
Applicant Address	<u>1070 Grand Valley Road</u>	Farm Address	<u>1070 Grand Valley Road</u>
	<u>Mifflinburg, PA 17844-7960</u>		<u>Mifflinburg, PA 17844-7960</u>
Applicant Contact	<u>James Kurtz</u>	Farm Contact	<u>James Kurtz</u>
Applicant Phone	<u>(570) 768-0699</u>	Farm Phone	<u>(570) 768-0699</u>
Client ID	<u>247841</u>	Site ID	<u>671225</u>
SIC Code	<u>0213</u>	Municipality	<u>West Buffalo Township</u>
SIC Description	<u>Agriculture - Hogs</u>	County	<u>Union</u>
Date Application Received	<u>June 2, 2023</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>August 8, 2023</u>	WQM App. No.	<u>N/A</u>
Project Description	James Kurtz submitted an application for CAFO permit renewal for his existing swine operation.		



Approve	Deny	Signatures	Date
<input checked="" type="checkbox"/>		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Project Manager	03/06/2025
<input checked="" type="checkbox"/>		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	03/06/2025

**Description:**

James Kurtz submitted an application for CAFO permit renewal for his existing swine operation located in West Buffalo Township, Union County. There are two Swine barns on the operation each with dimensions 45' x 450'. The operation has the following animal population:

Animal Type	Number	AEUs
Swine grow finish: 10–28 wk.	5,200	775.72
Beef Cow	6	8.40
Beef Calf: 0–8 mo.	6	0.89
<b>Total AEUs =</b>		<b>785.01</b>

The operation is considered a CAO for exceeding 8 AEUs while having an animal density exceeding 2 AEUs/Acre. The operation is considered a CAFO for being a CAO that exceeds 300 AEUs and for exceeding the EPA large CAFO threshold of 2,500 swine each weighing 55 pounds or more.

The nearest receiving water to the operation is Tributary 19069 To Buffalo Creek, designated as Cold Water Fishes and Migratory Fishes (CWF, MF), located in Watershed 10-C. This stream is impaired by rural and agriculture E. coli. Also listed in the approved 2025-2027 NMP as a receiving stream is Coal Run, designated as High Quality-Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 10-C. This stream is impaired by rural and agriculture E. coli. Due to being 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 November 13, 2024, for crop years 2025, 2026, and 2027. There are 4.3 acres available on lands owned by the applicant for manure application according to the NMP, resulting in a density of 182.56 AEUs/acre.

*Manure Group Information:*

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Swine Fall	950,000.0 gal	0.0	950,000.0 gal
Swine Winter	500,000.0 gal	0.0	500,000.0 gal
Swine Spring	950,000.0 gal	0.0	950,000.0 gal
Solid Beef	20.0 tons	2.6 tons	20.0 tons
Solid Beef - uncollected	61.6 tons	59.2 tons	0.0
Field Pasture 1 - Grazing Calculator	59.2 tons	59.2 tons	0.0

*Exported Manure:*

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Ty Brininger 9465 SR 304 Mifflinburg, PA 17844	120,000 gallons Swine	0	0	0
Allen Hoover 66 Thomas Rd. Mifflinburg, PA 17844	360,000 gallons Swine	0	0	0
Aaron Hoover 10250 Old Turnpike Rd Mifflinburg, PA 17844	656,000 gallons Swine	0	656,000 gallons Swine	0

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Mike Noll 8355 Old Turnpike Road Mifflinburg, PA 17844	1,142,100 gallons Swine	0	1,142,100 gallons Swine	0
Elvin Stoltzfus 1535 Col. John Kelly Road Lewisburg, PA 17837	1,699,200 gallons Swine	0	1,699,200 gallons Swine	849,600 gallons Swine
Kenneth Martin 805 Green Ridge Rd. Mifflinburg, PA 17844	300,000 gallons Swine	300,000 gallons Swine	0	0
Daniel Hoover 347 Hoover Rd. Mifflinburg, PA 17844	0	0	316,800 gallons Swine	0
Steven Hoover 365 Shuck Rd. Mifflinburg, PA 17844	307,260 gallons Swine	0	307,260 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.***

*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 HDPE-lined Lagoon must 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	Minimum Regulatory Freeboard	Usable Capacity @ Freeboard
HDPE-Lined Lagoon	Liquid	125' x 175' x 10'	1 ft*	917,726 gallons
Concrete Circular Manure Storage	Liquid	65' x 10'	1 ft	223,000 gallons

\*According to 25 Pa. Code § 91.36(a)(6)(ii), the minimum regulatory freeboard for a liquid manure storage exposed to rainfall on an operation not exceeding 1,000 AEUs is 12 inches, however a site specific freeboard of 2ft is given in the approved NMP.

The concrete circular manure storage located on the operation is no longer used to store manure but will be included on the CAFO permit since it has not been officially decommissioned.

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No in-field stacking of manure is planned for this operation. There are no proposed manure storage facilities and no planned alternative manure technology practices.

**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 (HDPE-lined Lagoon)
- Mortality Management (Onsite Composting)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2025 to 2027 NMP.

Based upon this evaluation, DEP believes no additional BMPs will be required at this time to meet the goals and requirements of the Chesapeake Bay TMDL and to protect water quality criteria. This determination will be reevaluated through review of self-inspection reporting, annual reporting, and regular compliance inspections.

**Animal Mortality:**

The mortality is composted onsite is a composting shed.

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

The operation does not have Animal Heavy Use Areas (AHUAs).

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

Conservation Plans have been included and verified to exist for this operation.

**Downstream Public Water Supplies:**

The nearest downstream public water supply intake is located 26 miles downstream on the Susquehanna River by the Sunbury Municipal Authority in Sunbury. This CAFO 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.