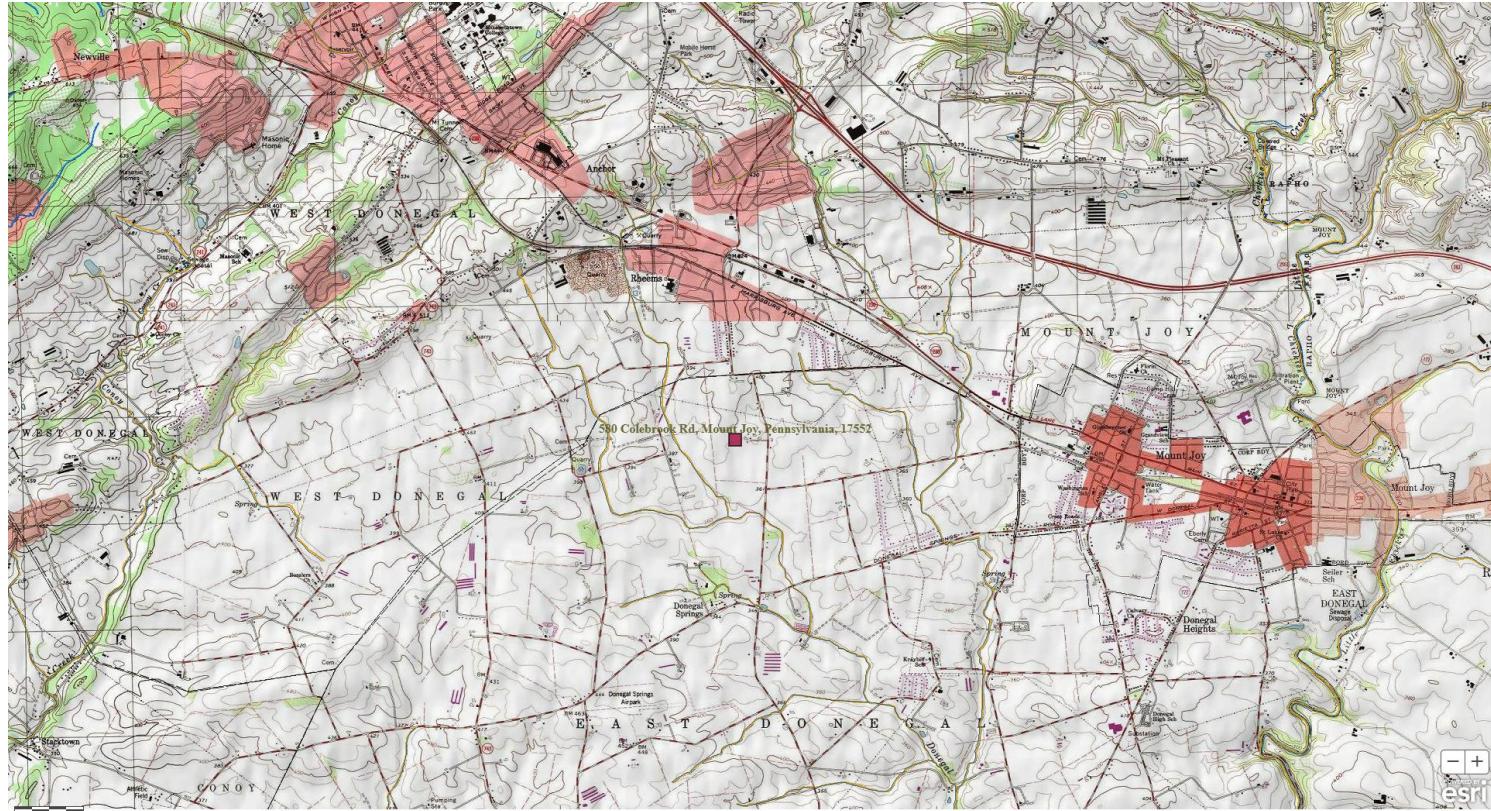


Application Type NewFacility Type CAFOPermit Type IndividualApplication No. PA0282006APS ID 1138327Authorization ID 1528866
 NPDES PERMIT FACT SHEET
CAFOs

Applicant and Facility Information

Applicant Name	<u>Shelmar Acres LLC</u>	Farm Name	<u>Shelmar Acres CAFO</u>
Applicant Address	<u>580 Colebrook Road</u>	Farm Address	<u>580 Colebrook Road</u>
Applicant Contact	<u>Mount Joy, PA 17552-9777</u>	Farm Contact	<u>Mount Joy, PA 17552-9777</u>
Applicant Phone	<u>(717) 413-4505</u>	Farm Phone	<u>(717) 413-4505</u>
Client ID	<u>308999</u>	Site ID	<u>773407</u>
SIC Code	<u>0212, 0213</u>	Municipality	<u>East Donegal Township</u>
SIC Description	<u>Agriculture - Beef Cattle, Except Feedlots</u> <u>Agriculture - Hogs</u>	County	<u>Lancaster</u>
Date Application Received	<u>May 27, 2025</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>June 10, 2025</u>	WQM App. No.	<u>3617203</u>

Project Description Shelmar Acres LLC submitted an application for new Individual CAFO permit coverage for their existing swine and beef operation.



Approve	Deny	Signatures	Date
<input checked="" type="checkbox"/>		<u>Hans D. Shollenberger</u> <u>Hans D. Shollenberger / Project Manager</u>	<u>07/23/2025</u>
<input checked="" type="checkbox"/>		<u>Scott M Arwood</u> <u>Scott M. Arwood, P.E. / Environmental Engineer Manager</u>	<u>07/23/2025</u>

Description:

Shelmar Acres LLC submitted an application for new Individual CAFO permit coverage for their existing swine and beef operation located in East Donegal Township, Lancaster County. The operation is currently covered under general CAFO permit number PAG123752 and submitted for new individual CAFO permit coverage due to the addition of a satellite farm located in an HQ watershed. The operation has the following animal population:

Animal Type	Number	AEUs
Swine wean to finish: 3-28 wk.	8,700	1,124.80
Dairy Beef: 1-2 yrs	100	130.00
Dairy Beef: 9-16 mo.	70	52.57
Dairy Beef: 3-9 mo.	90	37.80
Satellite Beef Backgrounders	250	200.00
Home Beef Backgrounders	100	70.00
Beef Calves	40	5.80
	Total AEUs =	1,620.97

The operation is considered a CAO for exceeding 8 AEUs while having an animal density exceeding 2 AEUs/Acre. The operation is considered a large CAFO for being a CAO that exceeds 300 AEUs, for exceeding 1,000 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 home farm location is Donegal Creek, designated as Trout Stocked Fishes and Migratory Fishes (TSF, MF), located in Watershed 7-G. This stream is impaired by agricultural total suspended solids, eutrophication, and siltation, and by pathogens of an unknown source.

The nearest receiving water to the satellite Earthen Lagoon is Tributary 07933 to Donegal Creek, designated as High Quality-Cold Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 7-G. This stream is impaired by agriculture siltation and by pathogens of an unknown source.

Due to the satellite lagoon being located in a High Quality watershed, the Department's Individual CAFO permit is appropriate for this operation. The operation is located in the Chesapeake Bay Watershed.

Manure/Nutrient Management:

The current NMP was approved on October 2, 2024, for crop years 2025, 2026, and 2027. An NMP Update was received on October 30, 2024 and accepted by the Lancaster County Conservation District per a November 4, 2024 letter. There are 186.4 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 8.70 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Swine Fall	1,200,000.0 gal	595,500.0 gal	604,500.0 gal
Swine Spring	1,200,000.0 gal	856,100.0 gal	343,900.0 gal
Liquid Beef Fall	436,950.0 gal	163,800.0 gal	273,150.0 gal
Liquid Beef Spring	436,950.0 gal	523,800.0 gal	0.0
Bedded Pack 1	2,556.0 tons	3,322.0 tons	0.0
Bedded Pack 1 - uncollected	12.9 tons	12.9 tons	0.0
Bedded Pack 2	0.0 tons	0.0	0.0
Bedded Pack 2 - uncollected	11.5 tons	11.5 tons	0.0
Bedded Pack 3	948.7 tons	0.0	948.7 tons
Field P1 - Grazing Calculator	12.9 tons	12.9 tons	0.0
Field P2 - Grazing Calculator	11.5 tons	11.5 tons	0.0

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Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Aaron Miller 352 Oak Lane Mount Joy, PA 17552	532 tons Bedded Pack 239,400 gal Swine 478,800 gal Beef	0	532 tons Bedded Pack 199,500 gal Swine 478,800 gal Beef	493.5 tons Bedded Pack 166,350 gal Swine 478,800 gal Beef
Allen Esbenshade 320 Nissley Road Mount Joy, PA 17552	1,627.5 tons Bedded Pack 651,000 gal Swine 976,500 gal Beef	0	1,627.5 tons Bedded Pack 651,000 gal Swine 976,500 gal Beef	0
Amos Beiler 1310 Harrisburg Ave, Mount Joy, PA 17552	825.5 tons Bedded Pack 349,250 gal Swine 571,500 gal Beef	0	825.5 tons Bedded Pack 349,250 gal Swine 571,500 gal Beef	0
Doug Witman 115 Airport Road, Marietta, PA 17547	1,031 tons Bedded Pack 410,000 gal Swine 624,600 gal Beef	0	1,031 tons Bedded Pack 410,000 gal Swine 624,600 gal Beef	0
Eric Wolgemuth 1376 Landis Rd. Elizabethtown, PA 17022	2,241 tons Heifer 1,195,200 gal Swine 1,344,600 gal Heifer	0	2,241 tons Heifer 1,195,200 gal Swine 1,344,600 gal Heifer	0
James Spickler 1288 Carmany Road, Mount Joy, PA 17552	741.6 tons Heifer 324,450 gal Swine 907,200 gal Heifer	28,350 gal Swine 72,900 gal Heifer	741.6 tons Heifer 324,450 gal Swine 907,200 gal Heifer	741.6 tons Heifer 324,450 gal Swine 834,300 gal Heifer
Longenecker's Hatchery 1110 South Market Street, Elizabethtown, PA 17022	208 tons Bed Pack 72,000 gal Swine 93,600 gal Beef	0	208 tons Bed Pack 93,600 gal Swine 93,600 gal Beef	0
Rodney Wolgemuth 1507 Carmany Road Mount Joy, PA 17552	716,400 gal Swine	0	716,400 gal Swine	0
Troy Adams 2235 Bullmoose Road, Mount Joy, PA 17552	431,000 gal Swine	0	431,000 gal Swine	431,000 gal Swine
W&W Ag LLC 1406 Landis Road Elizabethtown PA 17022	939 tons Heifer 227,070 gal Swine 704,700 gal Beef	0	939 tons Heifer 227,070 gal Swine 704,700 gal Beef	0

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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 approved in the NMP.

The following minimum freeboards are required by December 15th of each year to implement the NMP:

-Concrete Round Tank	5.4 ft
-Swine Underbarn 1	2.7 ft
-Swine Underbarn 2	2.8 ft
-Swine Underbarn 3	2.8 ft
-Satellite Earthen lagoon	6.9 ft

Manure Storage Facilities:

Storage	Type	Dimensions	Freeboard	Capacity
<i>Name</i>	<i>Liquid or solid</i>	<i>ft</i>	<i>Minimum regulatory</i>	<i>Gallons or cubic feet</i>
Concrete Round Tank	Liquid	90' x 12'	2 ft*	475,620 gal
Swine Underbarn 1	Liquid	261' x 101' x 8'	0.5 ft	1,479,000 gal
Swine Underbarn 2	Liquid	258' x 80 x 6'	0.5 ft	849,130 gal
Swine Underbarn 3	Liquid	262' x 101.5' x 6'	0.5 ft	1,094,036 gal
Satellite Earthen Lagoon	Liquid	70' x 55' x 6'	2 ft*	82,130 gal

***The approved NMP lists a freeboard of 1 foot, however a freeboard of 2 foot is required per 25 Pa. Code § 91.36(a)(6)(i) for storages exposed to rainfall on an operation exceeding 1,000 AEUs.**

The operation has a roofed stacking shed with dimensions 25' x 40' and a solid manure capacity of 110 tons.

The Satellite Earthen Lagoon was most recently certified by Professional Engineer Cameron L. Renehan (PE086385) on June 18, 2024.

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 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
- Mortality Management (Onsite Composting)

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The following NRCS Practice Codes are prescribed as BMPs in the approved 2025 to 2027 NMP for this operation:

- NRCS 635 *Vegetated Treatment Area, Rented FS*, 11/2024
- NRCS 472 *Access Control (Gate Install)*, Rented FS – Lagoon, 11/2024
- NRCS 314 *Brush Management*, Rented FS – Lagoon, 9/2024
- NRCS 315 *Herbaceous Weed Treatment, Rented FS – Lagoon*, 9/2024
- Safety Signage, Rented FS – Lagoon, 9/2024

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:

Mortalities are composted using bedded pack when possible. If the animal is too large, it may be rendered. The resulting compost is field applied.

Animal Concentration Areas (Chapter 102.4a):

Animal Heavy Use Areas (AHUAs) are designated in the NMP, and will be managed according to the provisions of the NMP.

Chapter 102 E&S (Conservation Plans):

Agricultural E&S Plans have been included and verified to exist for lands subjected to plowing and tilling activities. Some NRCS practices prescribed in the Shelmar Acres plan include Conservation Crop Rotation (328), Cover Crop (340), Forage Harvest Management (511), Nutrient Management (590), Residue and Tillage Management, No Till (329), Heavy Use Area Protection (561), Roof Runoff Structure (558), Waste Storage Facility (313), Waste Storage Facility – Concrete Circular (313), and Waste Storage Facility – Liquid Underbarn (313).

Downstream Public Water Supplies:

The nearest public water supply intake is located 8 miles downstream on the Susquehanna River by the Columbia Borough Water Company in Columbia Borough, Lancaster County. 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.