

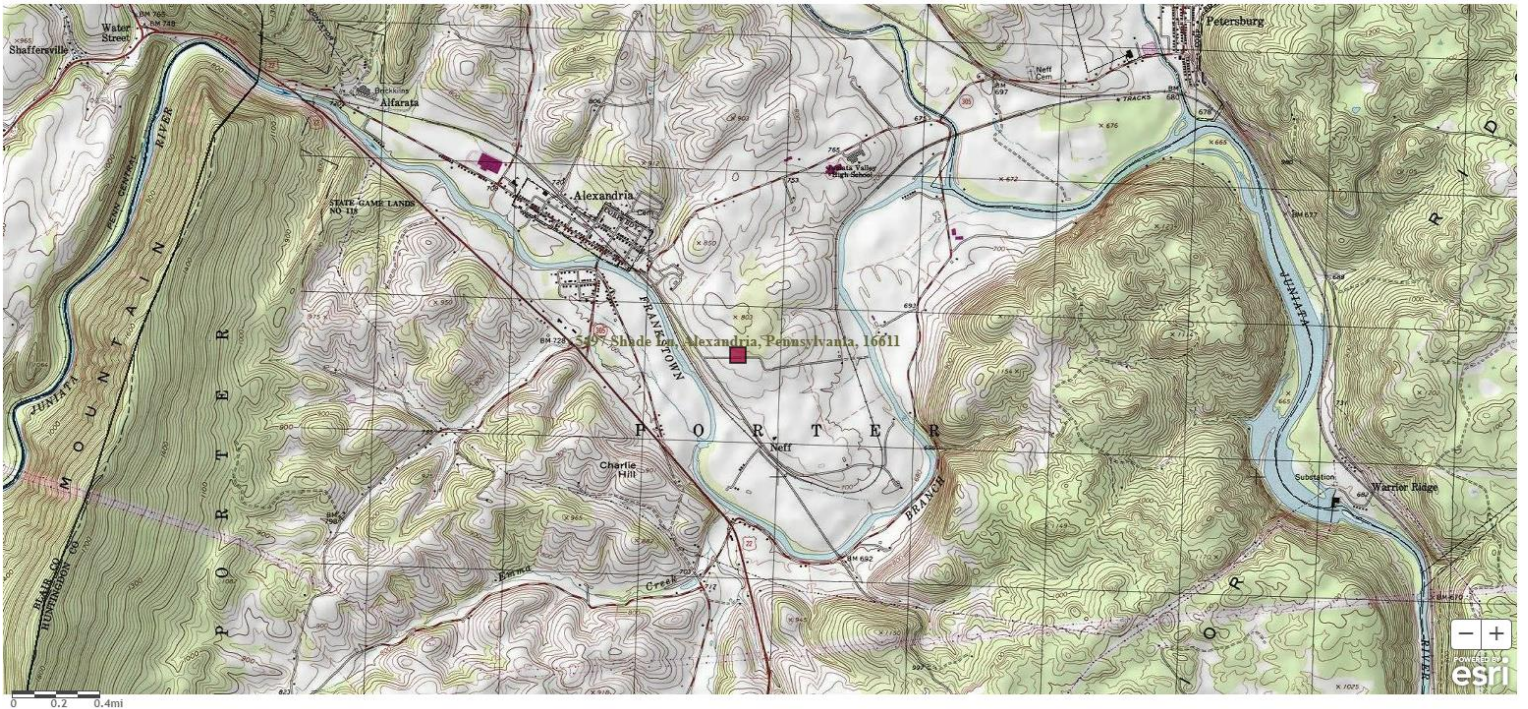
Application Type Renewal  
Facility Type CAFO  
Permit Type Individual

**NPDES PERMIT FACT SHEET  
CAFOs**

Application No. PA0261521  
APS ID 722957  
Authorization ID 1340847

**Applicant and Facility Information**

Applicant Name	<u>Wingert Farms Inc.</u>	Farm Name	<u>Wingert Farms CAFO</u>
Applicant Address	<u>5497 Shade Lane</u> <u>Alexandria, PA 16611-2737</u>	Farm Address	<u>5497 Shade Lane</u> <u>Alexandria, PA 16611-2737</u>
Applicant Contact	<u>William Wingert</u>	Farm Contact	<u>William Wingert</u>
Applicant Phone	<u>(814) 669-1293</u>	Farm Phone	<u>(814) 699-1293</u>
Client ID	<u>281289</u>	Site ID	<u>735787</u>
SIC Code	<u>0241</u>	Municipality	<u>Porter Township</u>
SIC Description	<u>Agriculture - Dairy Farms</u>	County	<u>Huntingdon</u>
Date Application Received	<u>December 29, 2020</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>February 17, 2021</u>	WQM App. No.	<u>2115201, 3117201</u>
Project Description	<u>Wingert Farms Inc. submitted an application for CAFO permit renewal for their existing dairy operation.</u>		



Approve	Deny	Signatures	Date
x		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	August 17, 2023
x		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	8/18/2023

**Description:**

On December 29, 2020, the Department received an individual CAFO renewal application from Wingert Farms Inc. for the existing Wingert Farms dairy operation located in Porter Township, Huntingdon County. Following the submission of the renewal application to the Department, Wingert Farms submitted for an NMP Amendment to the Conservation District to include Baney Lane Farm in the plan which was deemed Administratively complete by Huntingdon County on August 26, 2021 and final approved on May 4, 2023. The operation is not considered a CAO since the animal density is less than 2 AEUs/Acre. The operation is considered a large CAFO for being an agricultural operation exceeding 1,000 AEUs and for exceeding the EPA large CAFO threshold of 700 mature dairy cows.

On a typical day the operation will have the following animal population:

<b>Animal Type</b>	<b>Number</b>	<b>AEUs</b>
Dairy Cow (Lactating & Dry)	990	1,435.50
Holstein Heifer: 1-2 yr.	505	505.00
Holstein Calf: 0-1 yr.	425	178.50
Jersey Lactating Cow	150	150.00
Jersey Heifer: 1-2 yr.	70	47.25
Jersey Calf: 0-1 yr.	70	19.25
Swine wean to finish: 3-28 wk.	30	4.29
Light Horse Mature	4	4.40
	<b>Total AEUs =</b>	<b>2,344.19</b>

The nearest receiving water to the HDPE Lagoon Stage 1 and Stage 2, and Slurrystore is the Frankstown Branch Juniata River, designated as Warm Water Fishes and Migratory Fishes (WWF, MF), located in Watershed 11-A. This stream is not impaired by Department standards.

The nearest receiving water to the Baney Lane Concrete Circular Storage is the Little Juniata River, designated as Cold Water Fishes and Migratory Fishes (CWF, MF), located in Watershed 11-A. This stream is not impaired by Department standards.

The nearest receiving water to the Rishell Farm Circular Storage is the Frankstown Branch Juniata River, designated as Warm Water Fishes and Migratory Fishes (WWF, MF), located in Watershed 11-A. This stream is not impaired by Department standards.

Nearest receiving waters for manure storages and fields planned for manure spreading include the Juniata River, Raystown and Frankstown Branches of the Juniata River, Robinson Run, Crooked Creek, Pike Run, Henry's Run, Shaver Creek, Fox Run, and UNT to Little Juniata River. Of those receiving streams, Pike Run, Henry's Run, Shaver Creek, and Fox Run have a use description of High Quality-Cold Water Fishes (HQ-CWF, MF) therefore making the Department's Individual CAFO permit appropriate for this operation.

**Manure/Nutrient Management:**

The recently amended NMP was approved on May 4, 2023, for crop year 2023. There are 1921.1 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 1.22 AEUs/acre.

*Manure Group Information:*

<b>Manure Group</b>	<b>Manure Generated Annually</b>	<b>Manure Used on the Farm</b>	<b>Manure Exported (gallons or tons)</b>
Dairy liquid - lagoon 1 (fall)	415,000.0 gal	816,300.0 gal	0.0
Dairy liquid - lagoon 1 (spring)	415,000.0 gal	1,591,200.0 gal	0.0
Dairy liquid - lagoon 2 (fall)	1,650,000.0 gal	2,508,600.0 gal	0.0
Dairy liquid - lagoon 2 (spring)	4,170,000.0 gal	7,638,150.0 gal	0.0

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Dairy-pen pack (fall)	2,345.0 tons	3,752.4 tons	0.0
Dairy-pen pack (fall) - uncollected	9.1 tons	19.5 tons	0.0
Dairy-pen pack (spring)	2,345.0 tons	4,453.2 tons	0.0
Dairy-pen pack (spring) - uncollected	3.6 tons	19.5 tons	0.0
Heifer - liquid (fall)	970,000.0 gal	1,992,300.0 gal	0.0
Heifer - liquid (fall) - uncollected	209.0 tons	209.0 tons	0.0
Heifer - liquid (spring)	970,000.0 gal	1,518,900.0 gal	0.0
Swine (small animal group)	38.4 tons	0.0 tons	0.0
Imported Dairy	300,000.0 gal	293,400.0 gal	0.0
Imported Biosolids	200.0 tons	206.5 tons	0.0
Baney Ln Fall	291,516.0 gal	425,250.0 gal	0.0
Baney Ln Spring	291,024.0 gal	793,950.0 gal	0.0
Wolverton Solid Manure	150.0 tons	301.2 tons	0.0
Wolverton Solid Manure - uncollected	99.8 tons	102.3 tons	0.0
Dairy Liquid - Lagoon 2 (Winter)	1,650,000.0 gal	4,077,000.0 gal	0.0

There is no excess manure on this operation planned for export but there is one signed exporter/importer agreement in the approved NMP which this operation maintains as an option for manure exportation.

*Exported Manure:*

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Gordon Isenberg 6192 Isenberg Lane, Huntingdon, PA 16652	1,792,800 gallons Dairy	0	0	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 approved in the NMP for crop year 2023 for fields WI\_3, WI\_6, LP\_2, CO\_1, CO\_2, CO\_3, CO\_4, CO\_5, CO\_6, CO\_7, CO\_8, WE\_1, KE\_1, KE\_2, KE\_3, KE\_4, KE\_5, KE\_6, KE\_7, KE\_8, KE\_9-corn, KE\_9-Alfalfa, and KE\_10.

Manure storage facilities should have adequate freeboard on December 15<sup>th</sup> of each year to implement the NMP. The following winter freeboards should be met by December 15<sup>th</sup> of each year:

Manure Storage	Minimum Required December 15 <sup>th</sup> Freeboard
Stage 2 HDPE Lined Lagoon	6.6 ft
Rishell Farm Concrete Circular Storage	6.6 ft
Baney Lane Farm Concrete Circular Storage	3.7 ft

It is recommended to have additional useable space available beyond the above listed freeboard amounts to avoid application events during March and early April when weather and field conditions may be undesirable for manure application.

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**Manure Storage Facilities:**

<b>Storage</b>	<b>WQM Permit #</b>	<b>Type</b>	<b>Dimensions</b>	<b>Freeboard</b>	<b>Usable Capacity @ Minimum Freeboard</b>
<i>Name</i>	<i>Permit #</i>	<i>Liquid or solid</i>	<i>ft</i>	<i>Minimum regulatory</i>	<i>Gallons or cubic feet</i>
Stage 1 HDPE Lined Lagoon	3117201	Liquid	120' x 245' x 14'	2 ft	1,498,992 gallons
Stage 2 HDPE Lined Lagoon	3117201	Liquid	240' x 330' x 15'	2 ft	5,555,645 gallons
Rishell Concrete Circular Storage	2115201	Liquid	100' x 12'	2 ft	587,180 gallons
Baney Lane Concrete Circular Storage	2115201	Liquid	120' x 14'	2 ft	1,014,718 gallons
Slurrystore	2115201	Liquid	112' x 14'	2 ft	883,870 gallons
Coddington Earthen Lagoon*	2115201	Liquid	140' x 80' x 10'	2ft	337,000 gallons

\* Decommissioned Summer 2023

The operation holds WQM permit #2115201 issued November 23, 2015 and WQM permit #3117201 issued June 22, 2017. On July 12, 2023, the Department received a WQM permit application from permittee Wingert Farms Inc. to Amend/Modify the coverage of WQM permit #2115201 to add the existing Baney Lane 120' x 14' concrete circular storage to the permit.

The Coddington Farm Earthen Lagoon was decommissioned in Summer 2023 and consultant Jeff Ainslie will be submitting a decommissioning report to DEP. The Slurrystore was recently inspected and PE certified and is intended to remain in the permit and remain active, primarily for backup/emergency purposes.

There are no proposed manure storages for this operation and no planned alternative manure technology practices. Designated solid manure stacking locations are signified on operation maps in the approved 2023 NMP.

There is a 3-sided Concrete Roofed solid manure storage located at the Rishell Farm with dimensions 72' x 48' x 8' and a capacity of 27,648 cu ft. Only the upper barn (young heifer) bedded pack manure and the solid manure at the feed aisle is stored in this solid manure storage.

**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 (Composting Onsite)

NRCS Practice Codes prescribed as BMPs in the approved 2023 NMP include:

<b>Best Management Practice</b>	<b>NRCS Practice Code</b>	<b>BMP Location</b>	<b>Implementation Season and Year</b>
Critical Area Planting	342	RI5	Spring 2023
Critical Area Planting	342	SW-1	Spring 2023

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Critical Area Planting	342	KE-9	Spring 2023
Waste Transfer	634	Leachate Collection (FS)	Spring 2022
Critical Area Planting	342	RI-ACA	Spring 2023
Pasture & Hay Planting	515	RI-PASTURE	Spring 2023
Waste Facility Closure	360	Coddington	Spring 2023
Nutrient Management	590	Woolverton & Rishell	Summer 2023

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:**

Composting occurs uncovered on bare ground immediately west of the tree line east of the barns at the home farm. Pen pack manure is used as cover material. The compost is recycled to be used for compost in the future and is not land applied.

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

Animal Heavy Use Areas (AHUAs) are designated in the NMP and will be managed according to provisions of the NMP. Wingert Farms plans to reduce livestock numbers at Woolverton & Rishell Farm so that pasture areas are able to be maintained in vegetation and eliminate animal concentration areas.

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

Agricultural E&S and Conservation Plans have been included and verified to exist for land subjected to plowing and tilling activities. The CAP included the updating of the E&S plan for the Rishell Farm. BMPs included in the Rishell Farm plan include Conservation Crop Rotation, Residue and Tillage Management No-till, Cover Crop, Manure Management, Pasture Management, Critical Area Planting, and Pasture and Hay Planting.

**Downstream Public Water Supplies:**

The nearest downstream public water supply intake is located over 68 miles downstream on the Juniata River by the Mifflintown Municipal Authority in Milford Township. This facility is not expected to adversely impact any public water supplies.

**Compliance History:**

There are currently no open violations for this operation.

DEP considers the CAP signed by consultant Darren Shenk and dated January 22, 2023 as adequate for addressing the concerns included in DEP’s December 12, 2022 Notice of Violation. The NOV was a result of DEP’s site visit on December 5, 2022 concerning minimum freeboard levels and potential for pollution from animal concentration areas.

In response to the identified animal concentration area and potential runoff issues, Wingert Farms Inc. has agreed to the following Corrective Action Plan:

1. Update Agricultural Erosion & Sediment Control plan for Rishell Farm to implement best management practices including animal trails and walkways, properly located and sized animal concentration area. Wingert Farms will reseed pasture (permanent stabilization) in Spring of 2023 and maintain (Field R1-Pasture) pasture condition with a minimum of 3 inches of vegetation.
2. Permanent markings or staff gauges to measure freeboard in manure storage at Home Farm, Rishell Farm, and Baney Lane Farm will be installed Spring 2023.

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3. Weekly inspections of silage leachate system at Home Farm and routine maintenance.
4. Wolverton Way Barnyard- excess manure will be removed twice a month or more often if necessary.

**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.