

Application Type Amendment,  
Major/Transfer  
Facility Type CAFO  
Permit Type Individual

**NPDES PERMIT FACT SHEET  
CAFOs**

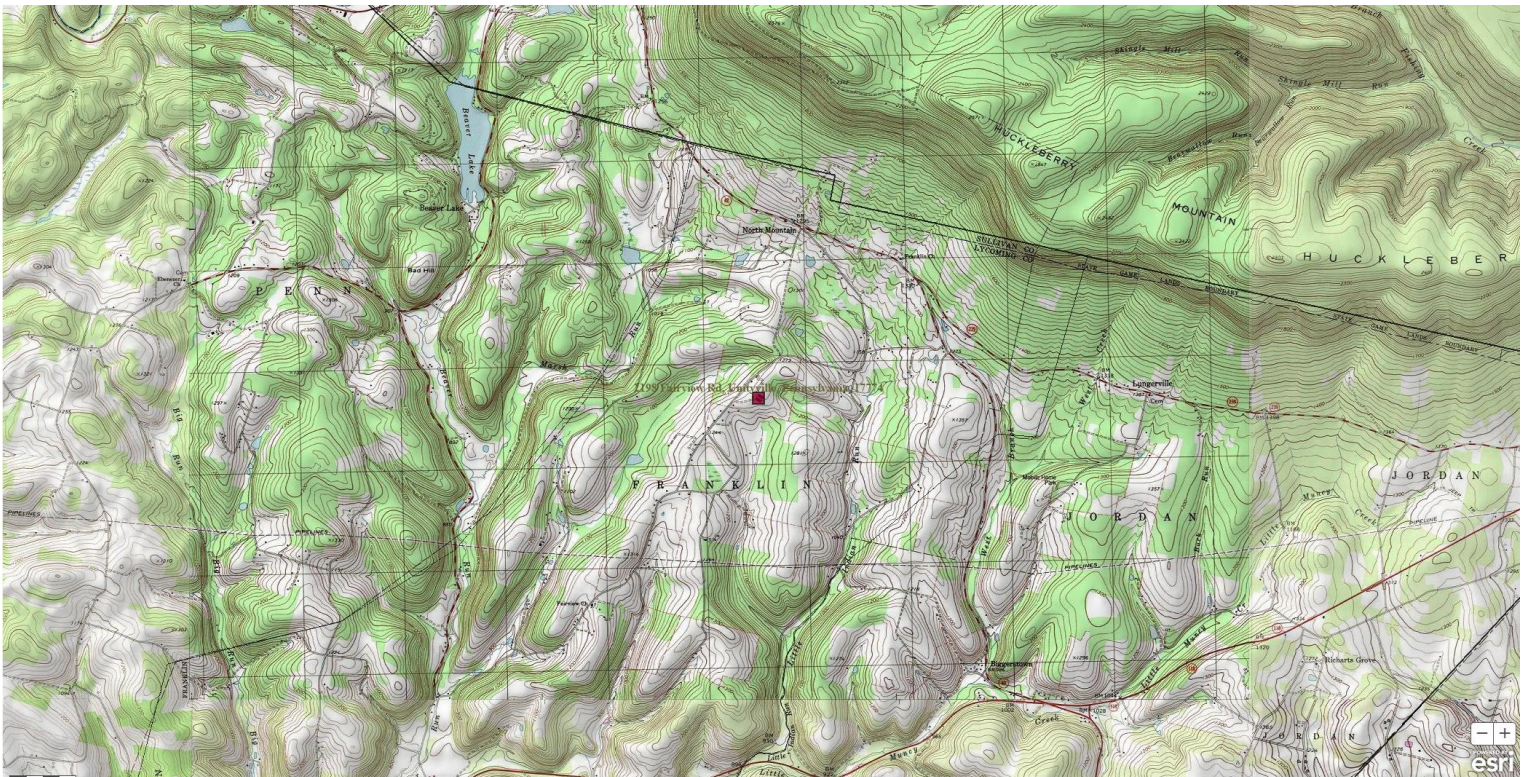
Application No. PA0281786  
APS ID 1071190  
Authorization ID 1410115

**Applicant and Facility Information**

Applicant Name	<u>R&amp;T Family Farms LLC</u>	Farm Name	<u>R&amp;T Farms</u>
Applicant Address	<u>2088 Cleman Hollow Road</u> <u>Unityville, PA 17774-9115</u>	Farm Address	<u>2198 Fairview Road</u> <u>Unityville, PA 17774-9128</u>
Applicant Contact	<u>Robert Boyles, JR</u>	Farm Contact	<u>Robert Boyles, JR</u>
Applicant Phone	<u>(570) 506-0911</u>	Farm Phone	<u>(570) 506-0911</u>
Client ID	<u>372359</u>	Site ID	<u>527961</u>
SIC Code	<u>0213</u>	Municipality	<u>Franklin Township</u>
SIC Description	<u>Agriculture - Hogs</u>	County	<u>Lycoming</u>
Date Application Received	<u>August 31, 2022</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>September 15, 2022</u>	WQM App. No.	<u>N/A</u>

Project Description

Robert Boyles Jr. has submitted an application for an Individual NPDES CAFO permit Amendment/ Transfer for his existing swine and beef operation. The permit will be transferred to R&T Family Farms LLC.



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	December 1, 2022
X		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	12/1/2022

**Description:**

R&T Farms is an existing swine and beef operation located in Franklin Township, Lycoming County. The operation has submitted an Individual NPDES CAFO amendment application due to a greater than 10% increase in permitted AEUs. The increase in AEUs is not due to physical expansion or an increase in animal numbers, but rather to an increase in swine days on operation from 260 to 310 days per year. In addition to amending, the operation is also transferring the permit from client Robert Boyles Jr. to R&T Family Farms LLC. Robert R Boyles Jr. is listed as the member of contact for R&T Family Farms LLC. The operation is considered a CAO for exceeding 8 AEUs and for 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 when weighing 55 pounds or more. The operation is covered under the Individual CAFO permit with the intentions of adding site-specific conditions to the permit to mitigate the risk of any violations that have occurred on the site in the past. The Department’s Individual NPDES CAFO permit is appropriate for this operation. The operation has the following animal population:

<b>Animal Type</b>	<b>Number</b>	<b>AEUs</b>
Swine grow finish: 10–28 wk.	4,200	588.58
Beef Cow	34	47.60
Beef Finishing: 8-24 mo.	10	9.50
Beef Calf: 0-8 mo.	34	6.85
Beef Replacement Heifer: 1-2 yr.	13	11.37
	<b>Total AEUs =</b>	<b>663.90</b>

The swine will be housed in two different barns located at farmstead 1. The cattle will be housed in 3 separate barns located at farmstead 1, farmstead 2, and farmstead 3. The animals will be distributed across the operation as follows:

<b>Location</b>	<b>Animals &amp; Barns</b>
Farmstead 1	2,100 swine in each swine barn (2 swine barns), 10 beef cattle & 13 heifers in Max’s Barn
Farmstead 2	12 beef cows and 12 beef calves in Yellow Barn
Farmstead 3	22 beef cows and 22 beef calves in Brady’s Barn

The receiving water is Tributary 19571 To Little Indian Run and Tributary 19536 To Beaver Run, both designated as Cold-Water Fishes and Migratory Fishes (CWF-MF), located in Watershed 10-D. These streams are not impaired by Department standards.

**Manure/Nutrient Management:**

The current NMP was approved on November 16, 2022, for crop years 2023, 2024, and 2025. There are 223.8 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 2.97 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>
Finishing Swine Fall	676,181.0 gal	691,000.0 gal	0.0
Finishing Swine Spring	715,814.0 gal	608,000.0 gal	107,814.0 gal
Finishing Swine Summer	628,122.0 gal	377,500.0 gal	250,622.0 gal
Brady's Barn Cattle	289.5 tons	283.0 tons	0.0
Brady's Barn Cattle - uncollected	350.1 tons	350.1 tons	0.0
Max's Barn Cattle	224.7 tons	236.0 tons	0.0
Yellow Barn Cattle	157.7 tons	228.0 tons	0.0
Yellow Barn Cattle - uncollected	191.0 tons	191.0 tons	0.0

*Exported Manure:*

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Bradley Gavitt 2725 Clemen Hollow Rd, Unityville, PA 17774	635,300 gal	0	635,300 gal	0
Alan Fulmer 2095 Fairview Road Unityville, PA 17774	115,000 gal	115,000 gal	115,000 gal	0
Neil Yarish 251 Peters Road Unityville, PA 17774	180,000 gal	0	0	180,000 gal

None of the importers listed above are located in an HQ or EV watershed.

The following requirements must be met when transferring manure to importers:

**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 for the 2023, 2024, or 2025 crop years.

The HDPE Lined Lagoon should have a minimum freeboard of 6.2 ft on December 15 to implement the NMP.

**Manure Storage Facilities:**

Storage	Type	Dimensions	Freeboard	Usable Capacity
<i>Name</i>	<i>Liquid</i>	<i>Ft x ft x ft</i>	<i>Minimum regulatory (ft)</i>	<i>Gallons</i>
Gutters (Barn 1)(8 gutters per barn)	Liquid	10' x 190' x 2' each	0.5	170,544 gal
Gutters (Barn 2)(8 gutters per barn)	Liquid	10' x 190' x 2' each	0.5	170,544 gal
HDPE Lined Lagoon	Liquid	150' x 200' x 14'	2*	1,796,636 gal

\*The minimum regulatory freeboard is 12 inches, but a site-specific value of 2 feet has been continued from the existing permit.

Liquid swine manure accumulates in shallow concrete gutters under each swine barn located at farmstead 1 and is transferred to the HDPE lined manure storage lagoon using a pull-plug system. The gutters are typically emptied twice per group of finishing swine.

The operation is not proposing to construct any new manure storage or animal housing facilities. This operation does not field stack manure and there are no alternative manure technology practices planned.

As a result of the COA issued by Northcentral Regional Office DEP, this permit will require the following conditions for the operation's manure storage facilities, in addition to the required freeboards listed above, as well as the permit:

1. The staff gauge for the HDPE-lined lagoon shall be mounted on the southeast corner of the lagoon in order to more accurately reflect the amount of freeboard available in the storage.

2. If an underbarn or earthen manure storage facility at the Farm has leaked, or if an inspection and/or recordkeeping indicates that an underbarn or earthen manure storage facility at the Farm has leaked, the permittee shall immediately notify DEP and State Conservation Commission (SCC) by telephone and take prompt emergency actions to minimize any impacts to health, safety and the environment until permanent corrective actions have been implemented. The permittee shall also retain a licensed Pennsylvania Certified Professional Engineer ("P.E.") to evaluate the manure storage facilities at the Farm and submit a corrective action plan ("CAP") to DEP and SCC within 15 days of determining there is evidence of a manure storage facility leak. The CAP shall include proposed permanent corrective actions and a schedule, to abate any discharge to surface and/or groundwater, and ensure the failed manure storage facility(s) is/are structurally sound and watertight. Upon approval of the CAP by DEP and SCC, the approved CAP shall be fully implemented. The CAP shall include final P.E. certification of all liquid and semisolid manure storage facilities at the Farm, consistent with the Pennsylvania Soil and Water Technical Guidance ("PATG") for Waste Storage Facilities, Standard 313 and Waste Transfer Systems, Standard 634. The proposed CAP shall be implemented within 90 days of DEP's and SCC's approval. A copy of the final P.E. Certification(s) shall be submitted to the DEP and SCC, within 30 days of completion.

### **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. Required 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

No additional BMPs are proposed by the applicant within the approved Nutrient Management Plan.

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 quarterly self-inspection reporting, annual reporting, and regular compliance inspections.

### **Animal Mortality:**

Mortalities are composted at farmstead 1 and compost material is applied for corn in the spring to fields H5A and H5C. The mortalities will be treated as a small quantity manure group since there is less than 25 tons generated each year.

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

Animal Concentration Areas are designated in the NMP and will be managed according to the provisions of the NMP. There is an ACA located between Brady's barn and the roofed feeding area south of the barn at farmstead 3. Roof gutters are installed on Brady's barn to control stormwater from entering the ACA.

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

Agricultural E&S Plans have been verified to exist for land subjected to plowing and tilling activities.

**Downstream Public Water Supplies:**

The nearest downstream public water supply is Pennsylvania American Water White Deer, located in Milton, PA. This operation is not expected to have any adverse impact on the public water supply.

**Compliance History:**

There are no open violations for this operation.

Special Conditions are part of this permit as the result of a COA issued by Northcentral Regional Office DEP.

**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.