

Application Type Renewal
Facility Type CAFO
Permit Type Individual

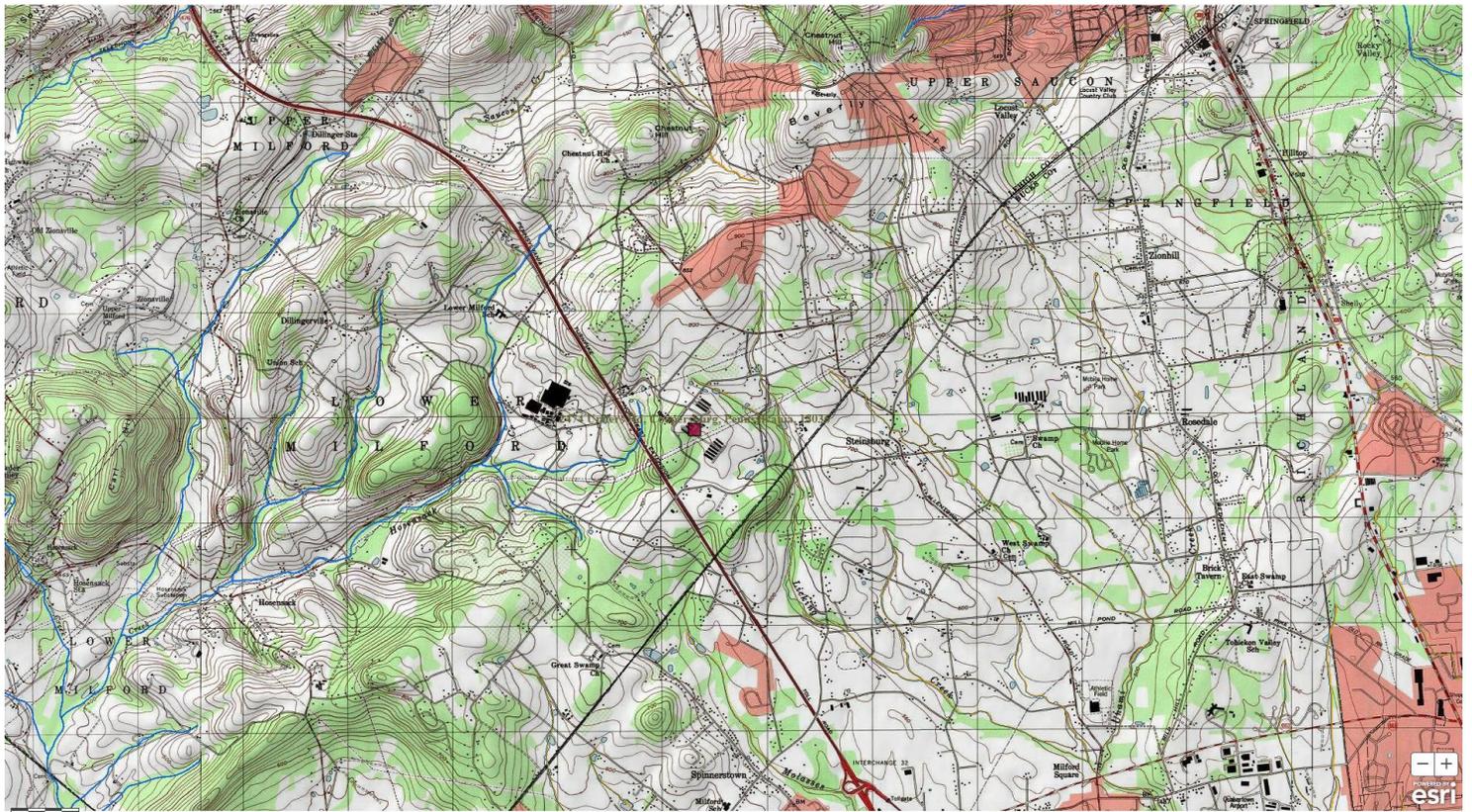
NPDES PERMIT FACT SHEET
CAFOs

Application No. PA0276049
APS ID 948354
Authorization ID 1424575

Applicant and Facility Information

Applicant Name	<u>Pappy's Orchard LLC</u>	Farm Name	<u>Pappy's Orchard</u>
Applicant Address	<u>2474 Urffers Road</u> <u>Coopersburg, PA 18036-3807</u>	Farm Address	<u>2474 Urffers Road</u> <u>Coopersburg, PA 18036-3807</u>
Applicant Contact	<u>Mike Urffer</u>	Farm Contact	<u>Mike Urffer</u>
Applicant Phone	<u>(610) 967-2389</u>	Farm Phone	<u>(610) 967-2389</u>
Client ID	<u>295663</u>	Site ID	<u>761769</u>
SIC Code	<u>0253</u>	Municipality	<u>Lower Milford Township</u>
SIC Description	<u>Agriculture - Turkeys And Turkey Eggs</u>	County	<u>Lehigh</u>
Date Application Received	<u>January 17, 2023</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>January 26, 2023</u>	WQM App. No.	<u>N/A</u>

Project Description Pappy's Orchard LLC submitted an Individual NPDES application for CAFO permit renewal for their existing Turkey Operation.



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	April 11, 2023
X		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	4/11/2023

Description:

Pappy's Orchard LLC submitted an Individual NPDES application for CAFO permit renewal for their existing Turkey Operation located in Lower Milford Township, Lehigh County. The operation is not considered a CAO since the animal density is less than 2 AEUs/Acre. The operation is considered a large CAFO due to exceeding the EPA large CAFO threshold of 55,000 turkeys. The operation has the following animal population:

Animal Type	Number	AEUs
Turkey, hen heavy: 6-16 wk.	37,500	505.04
Turkey, hen brooder: 0-6 wk.	37,500	47.57
	Total AEUs =	552.61

The nearest receiving water is Licking Creek, designated as High Quality-Trout Stocking and Migratory Fish (HQ-TSF, MF), located in Watershed 3 E. This stream is impaired by agriculture siltation, urban runoff/storm sewers (cause unknown), and habitat modification and alterations (other than hydromodification). Due to being located in a High Quality watershed, the Department's Individual NPDES CAFO permit is appropriate for this operation.

Manure/Nutrient Management:

The current NMP was approved on October 8, 2020, for crop years 2021, 2022, and 2023. There are 0 acres available on lands owned and/or rented by the applicant for manure application according to the NMP, resulting in a density of 552.61 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Poultry Litter	1,000.0 tons	0.0	1,000.0 tons

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Marwell Dairy Farm LLC 2072 Cassel Road, Coopersburg, PA 18036	515 tons Turkey Litter	0	486 tons Turkey Litter	0
Pete Wisser 7993 Benson Lane, Coopersburg, PA 18036	100 tons Turkey Litter	0	100 tons Turkey Litter	0

This operation exports 100% of the manure generated.

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.

There are no liquid manure storages associated with this operation and therefore no minimum freeboards that must be met by December 15th to implement the NMP.

Manure Storage Facilities:

There are no liquid manure storages associated with this operation, no proposed manure storages, no plans for in-field stacking of manure, and no planned alternative manure technology practices.

Turkey litter is stacked on a concrete stacking pad Northeast of the Brooder Barns. The concrete pad has dimensions 40' W x 350' L x 6' H and a usable capacity of 84,000 ft³. The stacking pad is emptied in the spring and fall when the litter is exported to neighboring lands for agricultural application.

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 (Solid Manure Stacked on Concrete Pad)
- Mortality Management (Composting onsite in Roofed Compost Facility)

There are no NRCS Practice Codes prescribed as BMPs in the approved 2021 to 2023 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:

Mortalities are composted using turkey manure in the on-site roofed composting facility.

Animal Concentration Areas (Chapter 102.4a):

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

Chapter 102 E&S (Conservation Plans):

An agricultural E&S plan is not applicable to this operation, as there are no lands available for manure application.

Downstream Public Water Supplies:

The nearest downstream public water supply intake is located over 34 miles downstream on Perkiomen Creek by the Aqua PA Main System in Lower Providence Township. This operation is not expected to 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.