

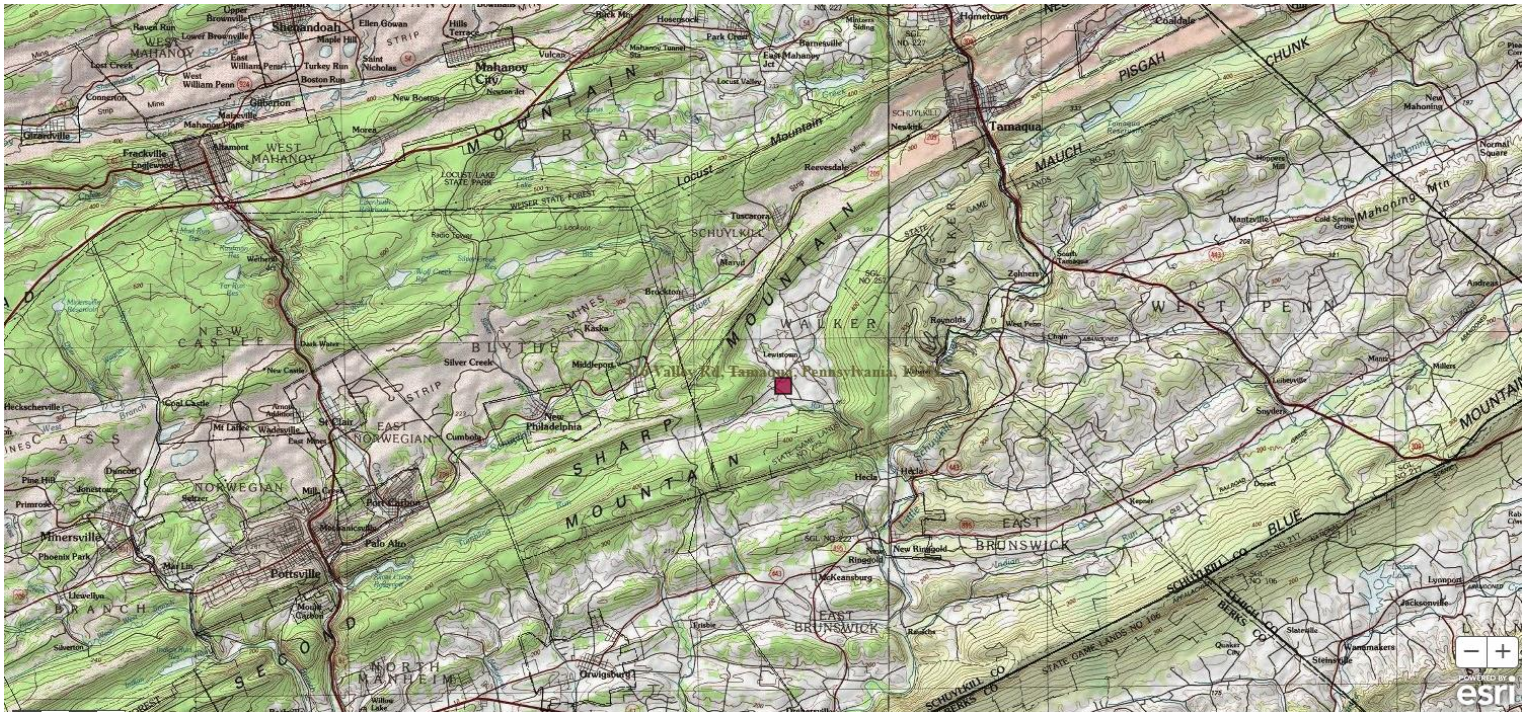
Application Type Renewal
Facility Type CAFO
Permit Type Individual

**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0276006
APS ID 1074798
Authorization ID 1416034

Applicant and Facility Information

Applicant Name	<u>Koch's Turkey Farm</u>	Farm Name	<u>Koch's Turkey Farm Walker Township Schuylkill County</u>
Applicant Address	<u>416 Valley Road Tamaqua, PA 18252-5115</u>	Farm Address	<u>416 Valley Road Tamaqua, PA 18252-5115</u>
Applicant Contact	<u>Michelle Koch</u>	Farm Contact	<u>Michelle Koch</u>
Applicant Phone	<u>(570) 668-2882</u>	Farm Phone	<u>(570) 668-2882</u>
Client ID	<u>220124</u>	Site ID	<u>656391</u>
SIC Code	<u>0253</u>	Municipality	<u>Walker Township</u>
SIC Description	<u>Agriculture - Turkeys And Turkey Eggs</u>	County	<u>Schuylkill</u>
Date Application Received	<u>October 25, 2022</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>November 1, 2022</u>	WQM App. No.	<u>N/A</u>
Project Description	<u>Koch's Turkey Farm submitted an Individual NPDES CAFO permit application for renewal of their existing turkey operation.</u>		



Approve	Deny	Signatures	Date
X		<i>Hans D. Shollenberger</i> Hans D. Shollenberger / Environmental Engineering Specialist	November 4, 2022
X		<i>Scott M Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager	11/7/2022

Description:

Koch's Turkey Farm is an existing growing and processing turkey operation located in Walker Township, Schuylkill County. The operation has turkey barns at two growing locations. The home farm with 19 turkey barns is located at 416 Valley Road and the second farm (Zehner Farm) maintaining 26 turkey barns is located at the intersection of Route 443 and Wildcat Road. The operation has the following animal population:

Animal Type	Number	AEUs
Turkey, hen regular: 6–12 wk.	147,365	1,437.96
Turkey, tom: 6–18 wk.	79,036	1,749.62
	Total AEUs =	3,187.58

Koch's Turkey Farm is considered a CAO for exceeding 8 AEUs while having an animal density exceeding 2 AEUs/Acre. This operation is considered a large CAFO for being a CAO that exceeds 300 AEUs, for being an agricultural operation exceeding 1,000 AEUs, and for exceeding the EPA large CAFO threshold of 55,000 turkeys.

The receiving waters for the Home Farm Site are Cold Run and Tributary 02228 To Beaver Creek. Tributary 02228 to Beaver Creek is designated as Cold-Water Fishes and Migratory Fishes (CWF, MF), located in Watershed 3-A. This UNT is impaired by Agriculture Siltation and by pathogens of an unknown source. Cold Run is designated as High-Quality Cold-Water Fishes and Migratory Fishes (HQ-CWF, MF), located in Watershed 3-A and is impaired by pathogens of an unknown source.

The nearest receiving water to the second farm site is Little Schuylkill River, designated as Cold-Water Fishes and Migratory Fishes (CWF, MF), located in Watershed 3-A. This stream is impaired by acid mine drainage.

The Department's NPDES Individual CAFO Permit is appropriate for this operation.

Manure/Nutrient Management:

The current NMP was approved on November 16, 2021, for crop years 2022, 2023, and 2024. All the cropland at the Home Farm and the Zehner farm is rented out to a neighboring farmer and is not under the control of Koch's Turkey Farm. 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 3,187.58 AEUs/acre.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Turkey Manure	7,562.5 tons	0	7,562.5 tons

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Eric Rosenbaum [1441-MB1] Rosetree Consulting LLC 20 Glenbrook Drive, Shillington PA 19607	1,890 tons	1,890 tons	1,890 tons	1,890 tons

According to Appendix 8 of the approved 2022-2024 NMP, all manure is brokered through certified broker Eric Rosenbaum.

Winter Manure Management:

Application of manure during the winter period is not approved in the NMP.

There are no liquid manure storage facilities present on the operation and therefore, no required freeboards that need to be met by December 15th to implement the NMP.

Manure Storage Facilities:

Storage	Type	Freeboard	Capacity
<i>Name</i>	<i>Liquid or solid</i>	<i>Minimum regulatory</i>	<i>Gallons or cubic feet</i>
This operation does not have any manure storages			

There are no manure storage facilities on this operation. Manure is stored in the animal housing facilities until exported off the farm. Manure from each turkey house is scraped to the end of each barn and loaded directly from the animal house to the truck for exportation. All manure is handled as one exporting group.

There are no proposed manure storage facilities, no plans to in-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. 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:

- Mortality Management (Zehner Farm uses Incineration)

The approved Nutrient Management Plan prescribes *NRCS Practice Code 558 Roof Runoff Structure* for all free-range barns over outside access with an implementation season and year of Fall 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 quarterly self-inspection reporting, annual reporting, and regular compliance inspections.

Animal Mortality:

Mortality at the Zehner farm is incinerated on site. Mortality from the Home Farm is sent to a rendering plant with material from the processing 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 and no AHUAs.

Downstream Public Water Supplies:

The nearest downstream public water supply intake is located over 60 miles downstream on the Schuylkill River by the Pottstown Borough Water Authority. 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.