

Application Type Renewal
Facility Type CAFO
Permit Type Individual

**NPDES PERMIT FACT SHEET
CAFOs**

Application No. PA0260223
APS ID 604417
Authorization ID 1214876

Applicant and Facility Information

Applicant Name	<u>Scott Brinton</u>	Farm Name	<u>Riverview Farms CAFO</u>
Applicant Address	<u>323 Riverview Road</u> <u>Peach Bottom, PA 17563-9691</u>	Farm Address	<u>241 Riverview Road</u> <u>Peach Bottom, PA 17563-9717</u>
Applicant Contact	<u>Scott Brinton</u>	Farm Contact	<u>Scott Brinton</u>
Applicant Phone	<u>(717) 548-2968</u>	Farm Phone	<u>(717) 548-2968</u>
Client ID	<u>253801</u>	Site ID	<u>684017</u>
SIC Code	<u>0212,0213,0259</u>	Municipality	<u>Fulton Township</u>
SIC Description	<u>Agriculture - Beef Cattle, Except Feedlots, Agriculture - Hogs, Agriculture - Poultry And Eggs, Nec</u>	County	<u>Lancaster</u>
Date Application Received	<u>December 22, 2017</u>	WQM Required	<u>No</u>
Date Application Accepted	<u>February 5, 2018</u>	WQM App. No.	<u>N/A</u>

Project Description Scott Brinton has submitted an application for the renewal of his CAFO permit for his existing swine, beef, and poultry operation.



Approve	Deny	Signatures	Date
X		Jared Lescavage / ENVIRONMENTAL ENGINEERING SPECIALIST	May 28, 2019
		Scott M. Arwood, P.E. / Environmental Engineer Manager	

Description:

The Riverview Farm, operated/owned by Scott Brinton is a finishing swine operation contained in one barn with underneath storage. The farm is located in Fulton Township, Lancaster County. The application was received on January 5, 2017. The operation does not qualify as a CAO with a proposed animal density of 1.52 AEU/acre and then neither a CAFO with an operation of 626.06 AEUs. However, the number of swine at 3,000 finishing swine would exceed EPA's threshold of 2,500 finishing swine to require a CAFO permit. An Individual permit would be appropriate for this facility due to the high-quality watershed that it is located within. The farm was inspected on May 12, 2016 and found a well-maintained farm. The existing swine barn, heifer barn, mortality composting shed, and general farmstead area were evaluated during the site visit. The previous plan called for the decommissioning of an old earthen manure storage pond. This BMP has been completed. No discharges would be expected.

The nearest surface waters would be an HQ- unnamed tributary to the Susquehanna River originates at the end of the beef pasture. The stream has been fenced. The stream is classified as a high quality cold water fishery and is considered impaired from crop related agricultural siltation based on Department standards.

This operation is proposing an expansion by adding two layer barns, each with their own manure storage facility at the end of each barn. Each facility will contain 20,000 layers and have storage of 12,420 ft³.

Manure/Nutrient Management:

The NMP was approved on December 7, 2016. There are 413.2 acres available on lands owned by the applicant for manure application according to the NMP.

Manure Group Information:

Manure Group	Manure Generated Annually	Manure Used on the Farm	Manure Exported (gallons or tons)
Liquid Swine Manure (gallons)	822,000	822,000	0
Beef Manure (tons)	190	190	0
Layer Manure (tons)	759	0	759
Compost (tons)	35	35	0

The farm also has 10 goats that are pastured (Manure not mentioned in NMP).

Exported Manure:

Name/ Address	Amount and Source of Manure Exported per Season (gallons/ tons)			
	Spring	Summer	Fall	Winter
Dave Meulenberg 360 Post Rd, Rising Sun, MD 21911	190 tons	190 tons	190 tons	190 tons

Manure Spreader Calibrations:

Manure Application Rate	Manure Spreader Used	Spreader Settings	Tractor Used	Tractor Settings
6000 gal/ac	Tanker	N/A	JD7120	7 th gear @ 2200rpm
5000 gal/ac	Tanker	N/A	JD7120	8 th gear @ 2200rpm
4000 gal/ac	Tanker	N/A	JD7120	9 th gear @ 2200rpm
3000 gal/ac	Tanker	N/A	JD7120	10 th gear @ 2200rpm
5 tons/ac	Box Spreader	N/A	JD2840	6 th gear @ 2200rpm
10 tons/ac	Box Spreader	N/A	JD2840	5 th gear @ 2200rpm
15 tons/ac	Box Spreader	N/A	JD2840	4 th gear @ 2200rpm

Winter Manure Management:

No infield stacking or winter spreading of swine manure is done at this farm. Enough manure storage is available to avoid the need to winter spread swine manure. The applicant would not be allowed to spread manure during the winter unless the permittee has fully complied with 25 Pa. Code § 83.372, and has obtained a plan amendment due to unforeseen circumstances.

Manure Storage Facilities:

The farm's one swine barn's deep pit concrete underneath storage is 245' x 101' x 6' deep and will provide approximately 925,463 gallons at a 12" freeboard. This would equate to over 12 months of storage at the NMP's 810,000 gallons of manure per year. This would provide enough storage to prevent winter spreading if the storage freeboards are handled properly. The storage does not have a perimeter drain or leak detection system.

Manure from the 12 heifers, 8 calves, and 10 goats is stored as a bedded pack within the barn. The pastures are fenced to eliminate access to any streams.

The operation also maintains a roofed composting shed that is contained on a concrete pad adjacent to the swine barn. No problems were identified.

Two Layer barns are proposed, each with their own manure storage facility at the end of each barn. Each facility will contain 20,000 layers and have storage of 12,420 ft³.

Storage Name	Dimensions	Usable Capacity	Freeboard
Swine Underhouse Storage	245' x 101' x 6'	925,463 gal	1'
Layer Barn 1 Storage (Proposed)	36' x 46'	192 tons	N/A
Layer Barn 2 Storage (Proposed)	36' x 46'	192 tons	N/A

Animal Mortality:

Composting method is used by the operator to dispose of mortalities. Mortalities are composted in a roofed bin composting facility adjacent to the hog barn. No problems were identified. Mortality compost is applied to fields maintained and owned by the farm.

Animal Concentration Areas (Chapter 102.4a):

There were no areas of Animal Heavy Use Areas or ACA's associated with this operation. The streams adjacent to the pasture area are fenced with a buffer zone. No problems have been observed.

Chapter 102 E&S (Conservation Plans):

Plans have been verified to exist or underway for all lands associated with the application of manure from this facility including importing farms located in EV, HQ or impaired watersheds. BMPs included in the plans for crop fields include conservation crop rotation, 35 foot stream buffers, 100 to 150-foot set backs, nutrient management and maintaining cover crops.

Downstream Public Water Supplies:

The nearest downstream public water intake is located 15.5 miles downstream on the Susquehanna River by the Naval Training Center near Bainbridge, Maryland. This facility is not expected to adversely impact any public water supplies.

Compliance History:

The Conservation Plan and NMP list a BMP to close an abandoned earthen manure pond used for a dairy barn that had ceased operation over 10 years ago. It was discovered that the manure pond was being used for swine manure storage in December of 2006 by EPA including evidence of discharging. This practice was discontinued by order of EPA in June, 2007 and the pond has remained unused since then. The previous permit included a requirement to close this manure pond by December 31, 2013 in agreement with the BMP listed by the NMP and conservation plan. That was completed. Other findings by EPA in 2006, such as poor composting and leaching and over spreading have also been resolved by the roof composting shed and adhering to the NMP manure rates.

40 CFR 122.42(e)(1)(i) through 40 CFR 122.42(e)(1)(ix):

- 122.42(e)(1)(i)—refer to Part A.B.2.a.
- 122.42(e)(1)(ii)—refer to Part C.D
- 122.42(e)(1)(iii)—refer to Part C.E.
- 122.42(e)(1)(iv)—refer to Part A.B.4
- 122.42(e)(1)(v)—refer to Part C.B.3
- 122.42(e)(1)(vi)—refer to Part C.E.
- 122.42(e)(1)(vii)—refer to Part A.B.2.b. and A.C.4
- 122.42(e)(1)(viii)—refer to Part C.A.1
- 122.42(e)(1)(ix)—refer to Part A.C.1-11

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.