

Application Type Renewal  
Facility Type CAFO  
Permit Type Individual

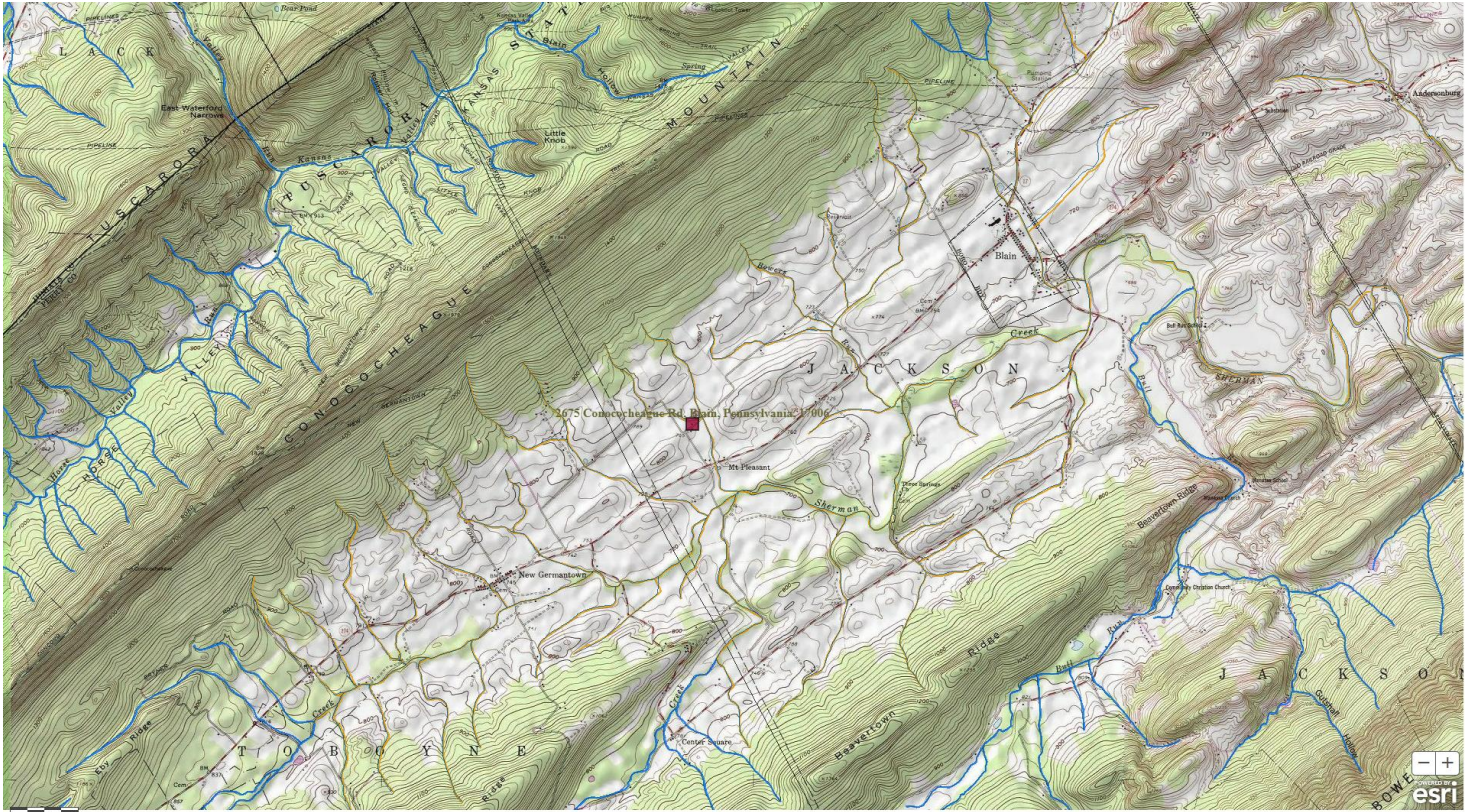
**NPDES PERMIT FACT SHEET  
CAFOs**

Application No. PA0266442  
APS ID 1060173  
Authorization ID 1390703

**Applicant and Facility Information**

|                           |   |              |   |
|---------------------------|---|--------------|---|
| Applicant Name            | <u>Logan M Bower</u>  | Farm Name    | <u>Pleasant View Farms Perry County<br/>CAFO</u>              |
| Applicant Address         | <u>2675 Conococheague Road</u><br><u>Blain, PA 17006-6229</u> | Farm Address | <u>2675 Conococheague Road</u><br><u>Blain, PA 17006-6229</u> |
| Applicant Contact         | <u>Logan Bower</u>  | Farm Contact | <u>Logan Bower</u>  |
| Applicant Phone           | <u>(717) 816-0183</u>   | Farm Phone   | <u>(717) 816-0183</u>   |
| Client ID                 | <u>369088</u>   | Site ID      | <u>820580</u>   |
| SIC Code                  | <u>0241</u>   | Municipality | <u>Jackson Township</u>                                       |
| SIC Description           | <u>Agriculture - Dairy Farms</u>                              | County       | <u>Perry</u>  |
| Date Application Received | <u>April 1, 2022</u>  | WQM Required | <u>Yes</u>  |
| Date Application Accepted | <u>May 5, 2022</u>  | WQM App. No. | <u>5021201, 0708201</u>                                       |

Project Description Logan M Bower submitted an application for renewal of his Individual NPDES CAFO permit for his existing dairy operation



| Approve | Deny | Signatures   | Date      |
|---------|------|--|-----------|
| X       |      | <i>Hans D. Shollenberger</i><br>Hans D. Shollenberger / Environmental Engineering Specialist | 5/12/2023 |
| X       |      | <i>Scott M Arwood</i><br>Scott M. Arwood, P.E. / Environmental Engineer Manager              | 5/12/2023 |

**Description:**

Logan Bower of Pleasant View Farms submitted an application for NPDES Individual CAFO permit renewal for his existing dairy located in Jackson Township, Perry 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 for exceeding 1,000 AEUs. The operation has the following animal population:

| Animal Type                      | Number              | AEUs            |
|----------------------------------|---------------------|-----------------|
| Holstein Cow (Dry and Lactating) | 655                 | 949.75          |
| Holstein Heifer: 1 -2 yr.        | 125                 | 125.00          |
| Holstein Calf: 0–1 yr.           | 180                 | 45.90           |
| Beef Calf: 0-8 mo.               | 195                 | 48.75           |
| Swine grow finish: 10-28 wk.     | 24                  | 1.81            |
|                                  | <b>Total AEUs =</b> | <b>1,171.21</b> |

The receiving water is Tributary 11315 To Sherman Creek, designated as High Quality-Cold Water Fishes and Migratory Fish (HQ-CWF, MF), located in Watershed 7-A. This stream is impaired by agriculture pathogens. The Department’s Individual NPDES CAFO permit is appropriate for this operation due to being located in a high quality watershed.

**Manure/Nutrient Management:**

The current NMP was approved on November 14, 2022, for crop years 2023, 2024, and 2025. There are 916.7 acres available on lands owned and rented by the applicant for manure application according to the NMP, resulting in a density of 1.28 AEUs/acre.

*Manure Group Information:*

| Manure Group                     | Manure Generated Annually | Manure Used on the Farm | Manure Exported (gallons or tons) |
|----------------------------------|---------------------------|-------------------------|-----------------------------------|
| Mixed Dairy Solids               | 3,890.0 tons              | 4,949.7 tons            | 0.0                               |
| Mixed Dairy Solids - uncollected | 77.4 tons                 | 78.0 tons               | 0.0                               |
| Liquid Dairy (Fall)              | 4,965,259.0 gallons       | 5,457,960.0 gallons     | 0.0                               |
| Liquid Dairy (Spring)            | 4,965,259.0 gallons       | 5,943,540.0 gallons     | 0.0                               |
| A. Hoover Swine Manure           | 450,000.0 gallons         | 456,400.0 gallons       | 0.0                               |
| Pastured Pigs - uncollected      | 16.2 tons                 | 16.3 tons               | 0.0                               |

*Exported Manure:*

| Name/ Address                              | Amount and Source of Manure Exported per Season (gallons/ tons) |        |      |        |
|--|---|--------|------|--------|
|  | Spring  | Summer | Fall | Winter |
| No Manure is exported from this operation. |   |        |      |        |

**Winter Manure Management:**

Application of manure during the winter period is approved in the NMP for CY 2023-2025 for fields PVF Ranch Fld, PVF Slate Hill, Buds Flat, RGS 7, RGS 9, RGS 11, RGS 12, RGS 13, Lenker Campground, and Josh JS 4.

Manure storage facilities should have adequate freeboard on December 15<sup>th</sup> to implement the NMP. The 250’ x 16’ Circular Concrete Storage is required to have a minimum of 8.5’ freeboard available by December 15<sup>th</sup> of each year to implement the NMP. The 115’ x 190’ x 12’ Earthen Lagoon (Now used only as temporary storage) is required to have a freeboard of 2.5’ maintained year round.

**Manure Storage Facilities:**

| Storage                            | Dimensions                     | Type                   | Freeboard                      | Usable Capacity              |
|------------------------------------|--------------------------------|------------------------|--------------------------------|------------------------------|
| <i>Name</i>                        | <i>Ft</i>                      | <i>Liquid or solid</i> | <i>Minimum regulatory (ft)</i> | <i>Gallons or cubic feet</i> |
| Earthen Lagoon (temporary storage) | 190' x 115' x 12' (Oval Shape) | Liquid                 | 2                              | 1.2 MG                       |
| Concrete Circular Storage          | 250' x 16'                     | Liquid                 | 2                              | 4.9 MG                       |

Solid manure is stacked on the operation using four manure stack pads shown in the table below:

| Storage            | Dimensions     | Usable Capacity |
|--------------------|----------------|-----------------|
| Manure Stack Pad A | 30' x 40' x 4' | 165 tons        |
| Manure Stack Pad B | 20' x 30' x 4' | 82 tons         |
| Manure Stack Pad C | 50' x 66' x 4' | 454 tons        |
| Manure Stack Pad D | 12' x 20' x 4' | 26 tons         |

The operation has a total of 18,752 square feet of contributing runoff area flowing to the Earthen Lagoon including a 47' x 37' barnyard area, 46' x 43' barnyard area, 89' x 33' barnyard area, 52' x 18' scape alley, 42' x 18' scrape alley, 300' x 10' cattle walkway, and 7,406 square feet of roof area.

WQM #0708201 was issued on October 14, 2008 to Pleasant View Farms Inc. and WQM 5021201 was issued to Logan M Bower on June 16, 2021. The factsheet for WQM 5021201 listed the concrete circular storage to have dimensions 200'x16' while the 2023-2025 approved NMP lists the dimensions as 250' x 16'. A WQM post construction PE Certification was received for this storage stamped by Matthew Brubaker PE 074213. Additionally, a PE certified letter confirming construction inspections of the circular storage was stamped by Timothy R Royer PE 038662. The post construction certifications confirmed as-built dimensions of 250' x 16' for the storage.

Currently, liquid dairy manure produced on this operation is collected and temporarily stored in an earthen, clay-lined lagoon. Manure is transferred by tractor and tanker to the new 250' x 16' concrete round tank. Manure will be land-applied out of the concrete round tank in Fall and Spring only. By Spring of 2023, the manure separation facility will be completed, and manure will be pumped directly to the 250' x 16' concrete round pit. The Earthen Lagoon was initially prescribed to be decommissioned in the 2017 CAFO permit BMPs. Still being temporarily used, the Earthen Lagoon shall be decommissioned no later than June 30 of 2024 as specified in the Part C site specific requirements of this permit renewal.

The being-constructed manure separation facility will help accomplish the following:

- Sand separation from manure
- Solids are temporarily separated from the liquid manure to create a liquid that can be used in a flush flume system to move manure from the livestock facilities through the system
- Solids are then reconstituted into the liquid before it is pumped to the 250' x 16' concrete round pit

A leachate collection system was constructed in Summer 2022. Low-flow leachate gets pumped to the 250' x 16' concrete round pit. High-flow leachate is dispersed over a vegetated treatment area.

Several of this operation's fields (BM fields 1,1A,3,4,8) may receive imported swine manure when additional crop nutrients are needed.

**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 (Earthen Lagoon and Circular Concrete Storage)
- Mortality Management (Composting on Stack Pad C)

The following NRCS Practice Codes are prescribed as BMPs in the approved 2023 to 2025 NMP:

- 632 *Waste Separation Facility*, Main Dairy Facilities South Side of Pens 3,4,6,7 (Spring 2023)
- 634 *Waste Transfer*, From Manure Separation Facility to 250'x16' Manure Storage (Spring 2023)
- 634 *Waste Transfer*, Flush Flume to Manure Separation Facility (Spring 2023)
- 561 & 533 *HUAP and Pumping Plant for Silage Leachate*, Silage Pad (Spring 2023)
- 635 *Vegetated Treatment Area for High Flow Leachate*, West Side of Mt. Pleasant Road Below Silage Pad (Spring 2023)
- 634 *Waste Transfer of Low Flow Leachate*, From Leachate Collection to 250'x16' Manure Storage (Spring 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:**

Animal mortalities are composted on the farm (new stack pad C) using bedded pack manure. Runoff from the mortality composting flows directly into the 250' x 16' concrete round pit.

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

Animal Heavy Use Areas (AHUAs) are designated in the NMP, and will be managed according to the provisions of the NMP.

**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.

**Downstream Public Water Supplies:**

The nearest downstream public water supply intake is the Hidden Valley BSC, located 19.5 miles downstream from Sherman Creek (HQ-CWF) in Tyrone Township. This operation is not expected to have any adverse impact on the public water supply.

**Compliance History:**

This operation has the following open violations:

|        |            |   |
|--------|------------|---|
| 844643 | 03/20/2019 | Site conditions present a potential for pollution to waters of the Commonwealth.                    |
|        |            | Resolution:   |
|        |            | PA Code Legal Citation: 35 PS 691.402 : <a href="#">PA Code Website</a>                             |
| 844642 | 03/20/2019 | NPDES Agriculture - 92A.42NMP(I) Failure to implement a NMP in accordance with an NPDES CAFO permit |
|        |            | Resolution:   |
|        |            | PA Code Legal Citation: 25 PA Code 92a.42 : <a href="#">PA Code Website</a>                         |

|        |            |  |
|--------|------------|--|
| 821685 | 06/28/2018 | NPDES - Non-compliance with an issued permit, not classified by any other code   |
|        |            | Resolution:  |
|        |            | PA Code Legal Citation: 25 Pa. Code 92a.41(a)(1) : <a href="#">PA Code Website</a>                                     |
| 816386 | 05/09/2018 | CSL - Failure to obtain a permit for an activity that creates a danger of pollution as determined by DEP               |
|        |            | Resolution:  |
|        |            | PA Code Legal Citation: P.L. 1987, No. 394, Sec 402(b) : <a href="#">PA Code Website</a>                               |
| 811046 | 03/08/2018 | CSL - Failure to obtain a permit for an activity that creates a danger of pollution as determined by DEP               |
|        |            | Resolution:  |
|        |            | PA Code Legal Citation: P.L. 1987, No. 394, Sec 402(b) : <a href="#">PA Code Website</a>                               |
| 811045 | 03/08/2018 | CSL - Unauthorized, unpermitted discharge of polluting substances to waters of the Commonwealth resulting in pollution |
|        |            | Resolution:  |
|        |            | PA Code Legal Citation: P.L. 1987, No. 394, Sec 401 : <a href="#">PA Code Website</a>                                  |

It has been recommended by DEP operations/compliance staff that the CAFO permitting process continue with the open violations so that the permit reflects the current structures and operations of Pleasant View Farms. Compliance staff will then seek a settlement for the violations after renewed coverage takes effect.

**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.