

# State Conservation Commission Meeting

January 18, 2022

Hybrid/Virtual Meeting

## Agenda – SCC COPY

### **Briefing Session - 10:00am**

- DGLVR Proposed Stream Crossing Policy and Crossing replacement Standard revisions update and discussion.
- Update on USGS Water Quality activities – John Clune, USGS (Tentative)
- Review of Public meeting agenda items

### **Business Session – 1:00PM – 3:00PM**

#### **A. Opportunity for Public Comment**

#### **B. Business and Information Items**

1. Approval of Minutes
  - a. November 9, 2021 Public Mtg.(A)
  - b. December 14, 2021 Conference Call (A)
2. Election of Vice-Chairperson 2022
3. Nutrient and Odor Management Program
  - a. Appointment to the Nutrient Management Advisory Board - Nathan Richards - Brady Seeley, SCC (A)
  - b. Nutrient Management Plan (NMP) - Orlin Martin, Northumberland County - Brady Seeley, SCC (A)
  - c. NMP Alternate BMP Request – Frank Schneider, SCC (A)
  - d. Odor Management Plan Amendment “A” Review - Amos & Jillian Zimmerman, Schuylkill County - Karl Dymond, SCC (A)
  - e. Odor Management Compliance Strategy – Frank Schneider, SCC (NA)
4. Annual Conservation District Audit Report, Calendar Year 2020; Karen Books, DEP (A)
5. 2022 Conservation District Director Appointment Update; Karl Brown, SCC (NA)
6. Leadership Development Program Update – Matthew Miller, PACD (NA)
7. Chesapeake Bay Program Update – Jill Whitcomb, DEP (Tentative)

8. Agriculture Best Management Practice Survey – Matt Royer, PSU (Tentative)

**C. Written Reports**

1. Program Reports

- a. Act 38 Nutrient and Manure Management Program Evaluations
- b. Act 38 Calendar Year 2021 Nutrient Management Plan Data
- c. Nutrient and Odor Management Program Measurables Report
- d. January 2021 Status Report on Facility Odor Management Plan Reviews
- e. 2021 Chapter 91 Activities Report
- f. NMP Update Report – R&F Family Farms -Northumberland County
- g. AgriLink Program Report
- h. Conservation Excellence Grant Program

2. Ombudsman Program Reports – Southern Allegheny Region (Blair County Conservation District) and Lancaster County Conservation District.

**D. Cooperating Agency Reports Adjournment**

Next Public Meetings/Conference Calls:

February 15, 2022 - Conference Call

March 8, 2022 – Hybrid/Virtual Meeting

**STATE CONSERVATION COMMISSION  
MEETING**

**PA Department of Agriculture, Harrisburg, PA**

**In-Person and Zoom Webinar System**

**Tuesday, November 9, 2021 - 1:00 p.m.**

***Draft Minutes***

Members Present: Secretary Russell Redding, PDA; Secretary Patrick McDonnell, DEP; Mike Flinchbaugh; MaryAnn Warren; Ron Rohall; Ron Kopp; Don Koontz; Heidi Secord; Drew Gilchrist, DCNR; Jessica Passiment, DCED; Brent Hales, Penn State; Kelly Stagen, PACD.

- A. Public Input** – John Dryzal, Cambria County, made a comment on Agenda Item B.4 (E&S fee calculations). He stated that districts do not have control over certain fees. Disturbed acres are not provided by districts. In Scenarios 1 and 4, the disturbed acre figure is too high (should be less than 15). Michele Long stated that the E&S proposal should be taken back to the Conservation District Advisory Board (CDAC) for discussion. Karl Brown agreed with taking it to the CDAC for further discussion.

**B. Business and Information Items**

Karl G. Brown, Executive Secretary, noted that there was no Executive Session held prior to the meeting today.

1. Approval of Minutes – September 14, 2021 - Public Meeting and October 12, 2021 – Conference Call.

*Mike Flinchbaugh moved to approve the September 14, 2021 public meeting minutes and the October 12, 2021 conference call minutes. Motion seconded by Ron Rohall. Motion carried.*

2. 2022 Meeting Dates and Conference Call Dates. Karl Brown, SCC, presented the proposed dates for the 2022 Commission business meetings and conference call meetings. Please note that the January meeting date was adjusted based on PACD moving from an in-person meeting to a hybrid meeting format. This earlier date in January (18<sup>th</sup> versus 26<sup>th</sup>) will allow a more consistent schedule of meetings. The proposed joint meeting with PACD on July 12<sup>th</sup> will be dependent on PACD finalizing their plans for an in-person meeting.

*Ron Kopp moved to approve the proposed 2022 State Conservation Commission meeting dates. Motion seconded by Don Koontz. Motion carried.*

3. Nutrient Management and Odor Management Program

- a. Neil Zimmerman – Nutrient Management Plan – Northumberland County. Brady Seeley, SCC, reported that the Neil Zimmerman farm is a poultry operation in Northumberland County with approximately 102,000 broilers, 4 horses, and 1

cow. All manure is exported to a known importer for land application. Horses and cow have access to pasture. Mr. Zimmerman's total AEUs is 173.70 and with 10.2 acres for manure application, this classifies him as a CAO with 17.03 AEUs/acre. The Commission is the appropriate entity to take action on this plan since the Northumberland County Conservation District does not have an Act 38 Nutrient Management (NM) Program delegation agreement with the Commission. This plan meets the requirements of the NM Program regulations and staff recommends its approval.

*Mike Flinchbaugh made a motion to approve the Neil Zimmerman Nutrient Management Plan. Motion seconded by Heidi Secord. Motion carried.*

- b. Bar U Farm DBA/Bushkill Riding Stables – Nutrient Management Plan – Monroe County. Brady Seeley, SCC, reported that the Bar U Farm, doing business as Bushkill Riding Stables, is a horse riding stable operation in Monroe County with 20 horses. All manure is exported to a known importer for non-agricultural use. Bushkill Riding Stables total AEUs is 22 and with no acres available for manure application this classifies them as a CAO with 22 AEUs/acre. The Commission is the appropriate entity to take action on this plan since the Monroe County Conservation District does not have an Act 38 NM Program delegation agreement with the Commission. This plan meets the requirements of the NM Program regulations and staff recommends its approval.

*Don Koontz made a motion to approve the Bar U Farm (DBA Bushkill Riding Stables) Nutrient Management Plan. Motion seconded by Ron Rohall. Motion carried.*

- c. Middlebranch Farm – Nutrient Management Plan – Monroe County. Amy Zerbe, SCC, reported that the Middlebranch Farm, operated by Loree Guthrie, is an existing equine boarding operation located in Monroe County with 18 horses. All manure is exported to a known importer for non-agricultural use. Horses have access to pasture. Middlebranch Farm's total AEUs is 19.80 and with 4.7 acres available for manure application this classifies the operation as a CAO with 4.21 AEUs/acre. The Commission is the appropriate entity to take action on this plan since the Monroe County Conservation District does not have a Act 38 NM Program delegation agreement with the Commission. This plan meets the requirements of the NM Program regulations and staff recommends its approval.

*Ron Rohall made a motion to approve the Middlebranch Farm Nutrient Management Plan. Motion seconded by Mike Flinchbaugh. Motion carried.*

- d. Nelson H. Auker – Odor Management Plan Amendment 'A' - Berks County. Karl Dymond, SCC, reported that Nelson H. Auker operates an existing broiler operation (CAO) in Berks County. The operation is proposing a new hoop-style manure storage facility. The land parcel and the evaluation distance area are relatively small and there are multiple homes and businesses nearby which cause the Odor Site Index score for this operation to score 116. This OSI score requires the operation to install Level II Odor BMPs, and also requires approval by the full Commission. The amendment also corrects the plan for the required Level II door

BMPs, the as-built Vegetative Buffers (4 vegetative buffers for filtering and 2 vegetative buffers for screening). This plan meets the requirements of the Odor Management Program Regulations and staff recommends its approval.

*Brent Hales made a motion to approve the Nelson H. Auker Odor Management Plan Amendment 'A'. Motion seconded by Ron Rohall. Motion carried.*

- e. David Burkholder – Duck Farm - Odor Management Plan – Lancaster County. Karl Dymond, SCC, reported that the David Burkholder duck farm is located in Ephrata, Lancaster County. It is an existing duck operation that will become a CAO & CAFO with the proposed expansion of a new duck barn with a liquid manure storage facility (MSF) and additional solid MSF. The new barn will replace the 2 smaller greenhouses currently used for animal housing. The land parcel and the evaluation distance area are relatively small and there are numerous homes and businesses in the area that cause the Odor Site Index (OSI) to score 101. This OSI score requires Level II Odor BMPs and approval of the Commission. The proposed Level II Odor BMP are manure additives. This plan meets the requirements of the Odor Management Program Regulations and staff recommends its approval.

*MaryAnn Warren made a motion to approve the David Burkholder Duck Farm Odor Management Plan. Motion seconded by Don Koontz. Motion carried.*

4. Conservation District E&S Fee Survey and Analysis, Request to Proceed. Karl Brown, SCC, reported that the Conservation District Law provides the Commission powers and duties regarding the oversight of conservation districts and their programs. Section 4 of the Conservation District Law contains many of these duties and powers. Specifically, Sections 4(5)(l) and 4(5) (m) state the following:

**Section 4(5)** In addition to the duties and powers herein conferred upon the Commission, it [SCC] shall have the following duties and powers:

- (l)** To approve the delegation of and contracting for certain functions and powers to districts and to monitor district activities in response to delegated functions and powers otherwise accepted by or contracted to districts;
- (m)** To review fees for services established by conservation districts for the purpose of determining if such fees are reasonable in relation to the scope of the service to be provided;

The single largest block of “fees” collected by districts are fees related to the administration of the Erosion and Sediment Pollution Control (E&S) Program and the National Pollutant Discharge Elimination System (NPDES) Permitting Program. In recent years fees collected by districts for this program delegation have exceeded \$10 million annually.

Commission staff have previously developed and piloted a methodology to evaluate the “reasonableness” E&S Program fees collected by conservation districts. This methodology involves the development of typical plan review scenarios and then asking

districts to provide a calculated fee to be charged under the specific parameters of the scenario presented. These responses are then compared and evaluated based the range of fees reported (low and high responses, mean and median responses, etc.).

The five typical scenarios will be formatted in a “Microsoft Forms” document that will simplify the survey completion and data analysis. Staff are currently finalizing the Microsoft Forms document and will conduct trainings with conservation district managers, conservation district field representatives and other interested parties prior to distribution. Staff is planning to conduct a statewide E&S fee survey and evaluation in the first quarter of 2022 using this methodology.

*Don Koontz made a motion to allow staff to move forward with the Conservation District E&S Fee Survey and Analysis after discussing with the CDAC on December 9, 2021. Motion seconded by Heidi Secord. Motion carried.*

5. Conservation District Funding Allocation Program – Requests for Approval of Reserve Accounts – Lycoming, Susquehanna, and Sullivan County Conservation Districts. Johan E. Berger, SCC, reported that under the Commission’s Conservation District Fund Allocation Program (CDFAP) conservation districts are required to obtain Commission approval in order to establish “reserve accounts” for CDFAP based funds. This policy is in place to help ensure that these funds are utilized for eligible expenses, and to ensure the Commission is aware of reserve accounts that are established. Johan Berger presented requests from Lycoming, Sullivan, and Susquehanna Counties to supplement existing reserve funds with CDFAP funds allocated to these counties in FY 2021-22.

*Mike Flinchbaugh made a motion to approve the proposed reserve accounts in Lycoming, Sullivan, and Susquehanna Counties. Motion seconded by MaryAnn Warren. Motion carried.*

6. Dirt, Gravel, and Low Volume Roads Program – Proposed Changes to Stream Crossing Policy – Proposed Stream Crossing Replacement Standard – Proposed Stream Crossing Technical Manual. Roy Richardson, SCC, and Steve Blosser, PSU, reported that the Commission adopted a Stream Crossing Replacement Policy in 2014 with a goal of focusing on the replacement of stream crossing structures to those which are negatively impacting streams. It was determined that the best quantification of stream impact is the size of the existing structure related to the bank-full width of the channel. Over the last several years, the program has funded approximately 100 stream crossing structure per year. Based on this experience, the Commission, DGLVR Center and conservation district staff have identified the need for additional guidance in this area. Commission and Center staff, have been working with the Policy and Planning Workgroup as well as the Education and Outreach Workgroup to find ways to improve the program’s stream crossing projects, and are proposing:
  - a. Changes to the program’s Stream Crossing Replacement Policy
  - b. Development of a Stream Crossing Replacement Standard
  - c. Development of a Stream Crossing Replacement Technical Manual

Roy Richardson and Steve Blosser updated the Commission on the development of these three documents and the timeline for finalization.

*Action: No action required at this time.*

## C. Written Reports – Self Explanatory

1. Program Reports
  - a. Act 38 Nutrient and Odor Management Program Measurables Report
  - b. Nutrient Management Plan Update Reports
    - i. Pine Hurst Acres, LP – Northumberland County
    - ii. Justin and Nadine Barclay – Carbon County
  - c. Act 38 Facility Odor Management Program & Status Report on Plan Reviews
  - d. REAP Accomplishment Report
  - e. Conservation Excellence Grant Program Report
  - f. Certification and Education Program Accomplishment Report
2. Ombudsman Program Reports – Southern Allegheny Region (Blair County Conservation District) and Lancaster County Conservation District

## D. Cooperating Agency Reports – PACD, NRCS, Penn State, DEP, DCNR, DCED, PDA

**PACD** – Kelly Stagen reported that the PACD Ad Hoc Budget Committee is doing extensive work to show legislators what conservation districts can do. The goal is to keep the programs of conservation districts on the minds of the legislators. Thank you to Secretary Redding and Secretary McDonnell for meeting with PACD. All of the PACD Fall region meetings have been completed. PACD will be opposing HB591 and will be discussing this at the January 2022 PACD virtual meeting. All Spring meeting dates are now finalized.

**NRCS** – no report.

**PSU** – Brent Hales reported that the Extension is working on adapting to vaccine mandates within the University. These mandates are having an impact on staffing. The Extension’s Associate Director, Andra Johnson, left his position weeks ago, and four finalists have been identified to fill that position. The chosen candidate will start on January 1, 2022. Dave Schwartz is the Acting Associate Director until the end of 2021. There is a national search to replace Dave’s position. Penn State is pursuing initiatives to meet needs for the workforce. There are many requests for apprenticeship programs. The first class of Butcher School students is almost complete...it is a goal to train 20-30 butchers per year.

**DEP** – Secretary McDonnell reported that the final PAG-01 General Permit will be in the Bulletin on November 13, 2021. Included items are site specific storm water analysis and requirements regarding impervious surfaces. The effective date of implementation of PAG-01 will be March 2022. All vacant CDFR positions were posted. Environmental Education Grants are open through December 10, 2021. More information is available on the DEP website. The Ag Inspection Program is reverting back to normal operating procedures as identified in the SOP. Countywide Action Plans are making progress. Reports are being submitted to the Chesapeake Bay Office.

**DCNR** – The opening of the Community Conservation Partnership Program has begun. These are grants that can be used for building playgrounds, ball fields, building trails, protecting open space, and installing riparian buffers. Grant workshops are being given by BRC staff in the Eastern, Central and Western areas of the state. The Eastern Workshop was November 4, 2021. The Central workshop will be given Wednesday

November 10, 2021, and the last one will be given November 16, 2021 in the Western region. Workshops are from 9—noon and will cover eligible applicants, what can be funded, and how to make sure the application is competitive. There will be ample time for Q and A. If you are interested in attending but cannot make the session, it will be available as a recording for both the main session and individual breakout sessions in each project area. Grant applications will be accepted starting January 16, 2022 and ending April 6, 2022 at 4 pm.

**DCED** – No report.

**PDA** – Secretary Redding reported that PDA is continuing to plan for the Farm Show (January 8-15, 2022). This year’s Farm Show theme is “Harvesting More”. There has been a \$20 million upgrade to HVAC in the Farm Show Complex since the last 2020 Farm Show took place. There is continued work on the Farm Bill, which is in its third year of funding. This funding supports REAP and CEG. Farm Vitality Grants are now open. The Butcher School at Penn State is just one of the seven approved apprenticeship programs. Deputy Secretary Greg Hostetter noted that RCPP (from NRCS) also assists farms where \$6.0 million was awarded to Pennsylvania’s Farmland Preservation for AG BMP implementation. There are 2.1 million acres enrolled in the Clean and Green program. Spotted Lanternflies are laying their egg masses now. If you see them, destroy them. During hunting time, use Best Management Practices when harvesting deer. National Apprenticeship Week runs from November 15-21, 2021. .

**Adjournment:** Meeting adjourned at 3:08 p.m.

Next Public Meetings: December 14, 2021 – Conference Call  
January 18, 2021 - Public Meeting, In-Person and Virtual



**STATE CONSERVATION COMMISSION CONFERENCE CALL****Microsoft Teams Conference Call****Tuesday, December 14, 2021 @ 8:30 am*****DRAFT MINUTES***

**Members Present:** Deputy Secretary Greg Hostetter for Secretary Russell Redding, PDA; Secretary Patrick McDonnell, DEP; Michael Flinchbaugh; Ron Rohall; Don Koontz; MaryAnn Warren; Heidi Secord; Drew Gilchrist for Secretary Cindy Adams Dunn, DCNR; Denise Coleman, NRCS; Brent Hales, Penn State; Kelly Stagen, PACD; and Jessica Passiment, DCED.

**A. Public Input:** None.

**B. Agency/Organization Updates**

1. DCNR – Drew Gilchrist

Drew reported that DCNR Secretary Cindy Adams Dunn announced that the public is invited to vote online for the 2022 Pennsylvania River of the Year, choosing from among four waterways nominated throughout the state. The Catawissa Creek, Connoquenessing Creek, French Creek, and the Monongahela River are the nominations for the 2022 River of the Year. Nominations were based on each waterway's conservation needs and successes, as well as celebration plans if the nominee is voted 2022 River of the Year. In cooperation with DCNR, selection of public voting choices is overseen by the Pennsylvania Organization for Watersheds and Rivers (POWR). Voting opened in November and will continue through January 14, 2022. After a waterway is chosen for the annual honor, local groups implement a year-round slate of activities and events to celebrate the river, including a paddling trip, or sojourn. The organization nominating the winning river will receive a \$10,000 leadership grant from DCNR to help fund River of the Year activities. POWR and DCNR also work with local organizations to create a free, commemorative poster celebrating the River of the Year. The River of the Year sojourn is among many paddling trips supported each year by DCNR and POWR. An independent program, the Pennsylvania Sojourn Program, is a unique series of a dozen such trips on the state's rivers. The water-based journeys for canoeists, kayakers and others raise awareness of the environmental, recreational, tourism and heritage values of rivers. For more information about the sojourns, visit [www.pawatersheds.org](http://www.pawatersheds.org).

2. DEP – Secretary Patrick McDonnell

Secretary McDonnell reported that the Water Quality Data Collection and Assessment protocols have been updated and are on the DEP website.. DEP published the final PAG-01 on November 13, 2021. The Chesapeake Bay

office continues to work with the Grant Center for processing payments. A Chesapeake Bay press release will occur near the end of the week of December 13, 2021 announcing 2020 CAP accomplishments. Regarding BMP verification and funding, the Chesapeake Bay office held a follow-up webinar session on December 1, 2021. Additional funds are available to counties who have developed Countywide Action Plans.

3. NRCS – Denise Coleman

Denise reported that inflation has hit the construction industry, including pipe, concrete, and steel. NRCS will adjust payment schedule - 54 producers took advantage of the adjusted payments. NRCS will continue to evaluate the inflation effects for Spring 2022. EQIP will start with \$23 million in funds. Cover crop sign-ups will be announced soon. NRCS approved two RCCP projects: Lancaster Clean Water Foundation and Chesapeake Bay Alliance. There is an additional \$6.3 million in crop land work. Within the Watershed Infrastructure Bill, five additional projects are being created.

4. Penn State University – Brent Hales

Brent reported that eight students were selected for the butcher school program. Another twelve students will be selected for the summer. Six students already finished the program and were placed in jobs. The Extension completed the last round of interviews for the Associate Director of Extension position. The goal is to identify a candidate by December 17, 2021. Penn State is gearing up for the PA Farm Show...want to re-engage with the agricultural community. There is a new President of Penn State University. Her name is Neeli Bendapudi. Dr. Barron will be the President Emeritus for one year.

5. PACD – Kelly Stagen

Kelly reported that the PACD Winter meeting will be held under a virtual format. The Executive Council meeting will be held on January 27, 2022. Kelly thanked the SCC for having CDAC meetings. PACD is working with partners on how to provide technical training to conservation districts. Leadership Development staff training will be held February 16-17, 2022. The 2022 Director Workshop sessions will present background and concepts that underlie successful retention strategies for conservation districts and are intended to provide district leadership from across the state with a forum to share and discuss their own challenges and solutions. Workshops are free of charge, include lunch for in-person attendees, and are open to all district board members, associate directors, managers, and partner staff. These workshops will be held on February 24, March 3, and March 9, 2022.

6. DCED – Jessica Passiment

Jessica explained the composition of the State Planning Board -- comprised of Gubernatorial appointees, citizen experts, legislators, and state agency Secretaries or their Policy Director proxies. DCED provides administrative

and facilitative support and shared that they recently released a series of recommendations about flood resilience, hazard mitigation, and green infrastructure. The Planning Board had been working on these recommendations in response to a direct charge from Governor Wolf at the beginning of 2021. The draft recommendations were approved by the Board and Governor's Office on December 2, 2021. Jessica thanked Secretary Redding and Secretary McDonnell for their participation. At the Board's next meeting (Q1 2022), the DEP staff and DCNR staff will be speaking and shifting focus to solar siting.

7. PDA – Deputy Secretary Greg Hostetter

The new Communications Director for PDA is Meredith Noll. The department is gathering information requested by the Independent Fiscal Office (IFO) to provide a response. The US Farm Bill priority discussions are starting to occur. The Farm Show Complex received GBAC Star rating. GBAC Star is the gold standard of prepared facilities. This accreditation means that a facility has:

- Established and maintained a cleaning, disinfection, and infectious disease prevention program to minimize risks associated with infectious agents like the novel coronavirus (SARS-CoV-2).
- The proper cleaning protocols, disinfection techniques, and work practices in place to combat biohazards and infectious disease.
- Highly informed cleaning professionals who are trained for outbreak and infectious disease preparation and response.

The 106<sup>th</sup> Farm Show theme is “Harvesting More”. Deputy Secretary Hostetter thanked the Commission members and conservation district staff for their leadership throughout the year.

### C. Information and Discussion Items

1. **[Action Requested on this Item] Approval of Conservation District Request for Audit Extensions (Karen Books)** – As of December 2, 2021, 56 audits have been received. Staff has received requests from five (5) districts for an extension this year. Four of the districts, Columbia, Huntingdon, Juniata and Montour have the same auditor. The reason given for the extension request is due to the auditor not receiving GASB-68 reports from the Pennsylvania Municipal Retirement System in a timely manner. Due to the delay in receiving these reports, the auditor has not finalized these four audit reports. The auditor does expect to have these reports completed in January. The fifth extension request is for Montgomery County Conservation District. The auditor completing the district audit recently suffered a COVID medical emergency and backed out of finalizing the audit. The district has contracted with a new auditor to complete the audit. This auditor requires additional time to review the previous auditor's work and to finalize the report. The district expects to have the audit report in time to act on it at its January 13, 2022 Board meeting. Staff recommends the Commission grant an audit extension for Columbia, Huntingdon, Juniata, Montour, and Montgomery Conservation Districts.

Heidi Secord made a motion to approve an audit extension for Columbia, Huntingdon, Juniata, Montour, and Montgomery Conservation Districts. Motion seconded by Don Koontz. Motion carried.

2. **2022 Director Nominations Update (Karl Brown)** – As of December 7, 2021 twenty-eight counties (42%) have submitted conservation district director nominations for 2022. Counties submitting nominations include the following: Adams, Bedford, Bradford, Cambria, Clarion, Clinton, Crawford, Cumberland, Erie, Forest, Franklin, Fulton, Greene, Indiana, Jefferson, Lebanon, Lycoming, Mifflin, Monroe, Northumberland, Perry, Pike, Somerset, Sullivan, Union, Warren, Washington, and York. Staff will continue to review conservation district director nominations as they are received.
  
3. **Update on Philadelphia Conservation District Formation (K. Brown)** - The Commission and agency staff are in discussion with a number of groups in Philadelphia regarding the establishment of a conservation district in Philadelphia. This discussion was initiated by the Philadelphia Department of Parks and the Philadelphia Food and Agriculture Food Policy Advisory Council.

Philadelphia is the only County in Pennsylvania that does not have a conservation district established. It is interesting to note that based on a Pennsylvania Constitutional provision, the City of Philadelphia is empowered to act in the place of the County of Philadelphia in nearly all matters of governance, including the potential formation of a conservation district under Conservation District law.

Section 5 (1-3) of the Conservation District Law (provided) contains the requirements necessary in order to form a conservation district. The last conservation district formed in Pennsylvania was the Forest County Conservation District in 1972.

**Section 5. (1) – (3) Creation of Conservation Districts.—**

(1) When the county governing body determines, ...

- in the manner hereinafter provided, ...
- that conservation of soil and water, and related resources and control and prevention of accelerated soil erosion are problems of public concern in the county, ...
- and that a substantial proportion of the landowners of the county favor such a resolution, ...
- it shall be lawful for the said county governing body, ...
- by a resolution adopted at any regular or special meeting, ...
- to declare the county to be a conservation district, ...
- for the purpose of effectuating the legislative policy announced in section 2. ...
- These determinations may be made through petitions, hearings, referenda or by any other means which the county governing body deems appropriate.

(2) Such a district, upon its creation, shall constitute a public body corporate and politic exercising public powers of the Commonwealth as an agency thereof.

(3) All soil conservation districts and soil and water conservation districts created in the past under the provisions of this act shall henceforth be named conservation districts.

In Philadelphia, portions of the 102, 105 and watershed programs are carried out by the Philadelphia Water Department. DEP's Southeast Regional Office indicates they have a very positive and productive relationship with the Philadelphia Water Department in these program areas, and that the City of Philadelphia is fairly advanced in its management of storm water within its jurisdiction.

The primary interest in forming a conservation district is coming from the urban agriculture community and the urban forest interests of Philadelphia. These local partners have joined with the Pennsylvania Association of Sustainable Agriculture and several other partners to apply for a USDA grant to study the feasibility of establishing a district in Philadelphia, and to scope out the priority focus areas for a district if formed. Decisions regarding the awarding of this USDA funding is expected early in 2022.

Commission and agency staff continue to work to provide background information and pertinent data to interested parties involved in this discussion. We are also exploring ways we may be able to assist these groups with financial resources in order to carry out the necessary policy, legal and organizational work necessary to establish a conservation district.

4. **Update on E&S Fee Survey Scenarios (Karl Brown)** – At our November business meeting, the Commission gave staff approval to move forward with the E&S Fee Survey and directed staff to review the proposed “scenarios” with the Conservation District Advisory Committee (CDAC) one final time prior to moving forward with the survey in 2022. Commission staff is scheduled to discuss these scenarios with CDAC on December 9<sup>th</sup> and staff will update Commission members during our December conference call regarding any changes that are made to these scenarios based on these discussions.
5. **Next Meeting** – January 18, 2022 (hybrid meeting format)
6. **Adjournment: 9:30 a.m.**



COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION

**Date:** January 3, 2022

**To:** State Conservation Commission Members

**From:** Karl G. Brown  
Executive Secretary

**RE:** Election of Vice-Chairperson 2022

**Background:**

Section 4(1) of the Conservation District Law, Act 217, states in part that, “at the last regular meeting of the Commission in the calendar year, a vice-chairperson shall be elected by the members of the Commission and shall serve in that capacity for the ensuing year.”

The Commission was unable to take action to fill the position of a vice-chairperson for calendar year 2022 at the end of 2021, thus an action is necessary at the January 18, 2022 meeting. Mr. Michael Flinchbaugh served as the vice-chairperson of the Commission, and he has expressed an interest in accepting the nomination for election as vice-chairperson of the Commission for 2022.

Responsibility of the vice-chairperson is to preside over any business meetings of the Commission in the absence of the Chairman.

**Action Required:**

A motion to nominate a Commission vice-chairperson for 2022 is appropriate

11-9-21  
Karl

APPROVED.  
Thank you.  
R

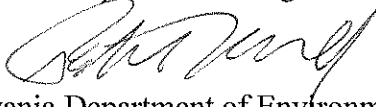



COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION

**DATE:** November 4, 2021

**SUBJECT:** 2021 Appointment to the Nutrient Management Advisory Board

**TO:** Russell Redding  
Chairman, State Conservation Commission  
Secretary, Pennsylvania Department of Agriculture

Patrick McDonnell   
Secretary, Pennsylvania Department of Environmental Protection

**FROM:**   
Karl G. Brown  
Executive Secretary  
State Conservation Commission

The purpose of this memo is to request your appointment of one (1) individual to fill a vacancy on the Nutrient Management Advisory Board (NMAB).

It is the role of the chairman of the State Conservation Commission (Commission) to appoint members to fill the 16 member positions and six advisors on the NMAB. These appointments then require a 2/3 affirmation vote of the Commission members to confirm.

The Nutrient and Odor Management Act (Act 38 of 2006) created the NMAB with the duty of reviewing and commenting on proposed Nutrient Management Program regulations, interim guidelines and interim criteria. The Commission has also chosen to have the NMAB "weigh in" on policy issues as they arise.

Commissions staff is recommending the following individual for election as a Board member:

- Mr. Nathan Richards, Egg Poultry Producer from Columbia County to be appointed to the NMAB. Mr. Richards will replace Leslie Bowman on the board who's second term expired and is not eligible for reappointment.

Act 38 requires the Commission to seek nominations from statewide organizations for appointments. The Commission reached out to the following state-wide organizations: Penn Ag Industries, Pennsylvania Farm Bureau, Pennsylvania Farmers Union, and Pennsylvania State Grange.

**Action Requested:**

Please review the attached biography and determine if you would like to appoint the following individual to the NMAB. If you support this recommendation, we will request confirmation by the full commission at the January 18, 2021 meeting.

Attachment:

- Nathan Richards biographical information



## **Bio for Nathan Richard**

### **Contact Information:**

**Address:** 216 Cemetery Hill Rd.  
Catawissa, PA 17820  
**Telephone:** (570) 274-2070  
**Email:** NateRichard@gmail.com

### **Partner – President – 2005-present in Scattered Acres Farms**

- Scattered Acres operates around 2700 acres of crop land producing corn and soybeans, 200 acres of fresh market potatoes, and 600 acres of green beans. ~ 1,400 acres are owned by the partners
- We are independent wean to finish hog producers marketing around 25,000 head per year produced in Indiana, Ohio, and Pennsylvania
- We are contract producers of broiler chickens with Empire Kosher, producing ~ 900,000 birds per year
- We do custom harvesting, spraying, and planting. Operate our own fleet of over the road trucks hauling grain, hogs, eggs, potatoes, green beans, and feed ingredients.

### **Owner and President – Roaring Creek Egg Farms, LLC**

- Roaring Creek is an independent egg producer with 580,000 caged laying hens, with construction underway that will take production to 870,000 laying hens.
- We own and operate our own feed mill, producing all the feed for the laying hens on site, as well as feed for Scattered Acres' hog production in PA. Procuring ingredients from local farms and businesses.

Together Roaring Creek and Scattered Acres employ over 30 people.

### **Personal**

- 2001 Graduate Southern Columbia Area High School
- 2005 Graduate Cornell University, Bachelor of science Applied Economics and Management, minor Agribusiness Strategy
- Nathan has been married to his wife Melissa for 13 years. We have four children Gavin 12, Colton 9, Easton 8, Nathan 1.5 years. Nathan currently serves on the board of Directors for the PA potato growers cooperative. He serves as auditor for Cleveland township. Coaches elementary wrestling for Southern Columbia, and youth baseball for Ralpho Township.





## **Farm Description**

Orlin Martin an existing broiler animal operation in Northumberland County. Mr. Martin's operation consists of a total of 15.97 acres with 3.67 pastureland and 12.3 acres of farmstead. Animals raised on the operation are 90,000 broilers and 3 horses. Sawdust is used as animal bedding. Total animal equivalent units (AEUs) housed at Mr. Martin's operation is 223.89 AEUs. With 3.67 acres available for manure application, Mr. Martin's animal density calculation works out to 61.01 AEUs / acre, classifying the operation as a Concentrated Animal Operation (CAO) under Act 38 of 2005.

Approximately 900 tons of poultry manure and 34.1 tons of horse manure is generated per year on the operation. All poultry manure is exported. Collected horse manure is applied to the pasture by hand. All manure from the poultry barns is removed between each flock of broilers and stacked on a concrete pad storage. Manure from the barn that houses the horses is removed as needed. Manure is exported through a broker, Kyle Whitmoyer, in the spring, summer, fall, and winter. Animal mortalities are composted on site and mortality compost is exported to a neighbor for application on crop land. The NMP does include the proper signed Exporter / Importer Agreement.

The receiving stream for the operation is an unnamed tributary to Warrior Run, which is a Warm Water Fishery.

There are no Best Management Practices listed to be implemented on Mr. Martin's animal operation.

Based on my review, the NMP developed for Orlin Martin's animal operation meets the requirements of the PA Act 38 Nutrient Management Regulations, and I therefore recommend Commission approval.

# Nutrient Management Plan

For Crop Year(s)

2023-2025

## Prepared For

Operator's Name, Mailing Address, Telephone Number(s)

Orlin Martin  
215 Balliet Rd  
Muncy, PA 17756  
570-777-3704

**NON-FINAL FORM**

Version 1

This NMP may be revised prior to a formal action by the Conservation District Board. The final form of the plan will be available at least 7 days prior to Board action. You may contact the Conservation District to determine the current status of the NMP

Sept. 13, 2021  
Month, Day and Year

Operation's Location Address (if different than above)

Site Name (CAFOs)

## Prepared By

Nutrient Management Specialist's Name, Address, Telephone Number(s)

Josh Keister  
245 Walnut St. Milton PA 17847  
570-898-1466

Nutrient Management Specialist's Program Certification Number

965 NMC

Administratively Complete Date

Sept. 13, 2021

Plan Approval Date

Plan Update Submission Date(s)

(updates to the approved plan not requiring board action)

**FINAL FORM**

This version of the plan will be considered for action by the Conservation District Board at their January 18, 2022 meeting

Nov. 30, 2021  
MONTH, DAY AND YEAR

**NON-FINAL FORM**

Version 2

This NMP may be revised prior to a formal action by the Conservation District Board. The final form of the plan will be available at least 7 days prior to Board action. You may contact the Conservation District to determine the current status of the NMP

Nov. 30, 2021  
Month, Day and Year

## Table of Contents

---

Nutrient Management Plan Summary (Excel)

Nutrient Management Plan Summary Notes (Excel)

Manure Spreader Calibration Notes (Excel)

Additional Nutrient Management Plan Requirements (Word)

Operator Management Map (Mapping Program)

Appendix 1: Nutrient Management Plan Agreement & Responsibilities (Word)

Appendix 2: Operation Information (Word)

Appendix 3: Manure Group Information (Excel)

Appendix 4: Crop & Manure Management Information (Excel)

Appendix 5: Phosphorus Index (Excel)

Appendix 6: Manure Management (Word)

Appendix 7: Stormwater Control (Word)

Appendix 8: Importer/Broker Agreements & Nutrient Balance Sheets (Word & Excel)

Appendix 9: Operation Maps (Mapping Program)

Topographic Map

Soils Map

Appendix 10: Supporting Information & Documentation (Excel)

(List below the required documents included in the plan.)

## Nutrient Management Plan Summary

Crop Year(s) 2023

3.67

Total acres reported in NMP Summary:

Whole Farm Note:

If manure runs out for any field, consult Appendix 4 of the plan for that field. The fertilizer required on any part of the field that does not receive manure can be determined from the 'Net Nutrients Required' for that field.

Fall manure applications require at least 25% cover unless the crop management unit is planted to a cover crop in time to allow for appropriate growth to control runoff until the next growing season, or the manure is injected or mechanically incorporated within 5 days using minimal soil disturbance techniques consistent with no-till farming practices.

Operation Acres:

Total Acres: 15.97

Total Acres Available For Nutrient Application Under Operator's Control: Owned: 3.67

Rented: 0

Animal Equivalent Units: 223.89

Animal Equivalent Units Per Acre: 61.01

| CMU/Field ID  | Acres | Crop                                 | Manure Group         | Application Season | Application Management   | Planned Manure Rate <sup>1</sup> | Starter/Other Fertilizer (lb/A) |                               |                  | Supplemental Fertilizer (lb/A) |                               |                  | Nutrient Balance (lb/A) <sup>2</sup> |                               |                  |  |     |
|---------------|-------|--------------------------------------|----------------------|--------------------|--|----------------------------------|---------------------------------|-------------------------------|------------------|--------------------------------|-------------------------------|------------------|--------------------------------------|-------------------------------|------------------|--|-----|
|               |       |                                      |                      |                    |  |                                  | N                               | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | N                              | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | N                                    | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |  |     |
| Horse Pasture | 3.67  | Established Pasture (without legume) | horses - Uncollected | Grazing            | Grazing anytime with nutrient uptake during growing season               | Grazing                          | 0                               | 0                             | 0                |                                |                               |                  |                                      |                               |                  |  |     |
| Horse Pasture | 3.67  | Established Pasture (without legume) | Horses               | Spring             | Spring: Spring or summer utilization- Incorporation after 7 days or none | 2.33 tons/A                      | 0                               | 0                             | 0                |                                |                               |                  |                                      |                               |                  |  |     |
| Horse Pasture | 3.67  | Established Pasture (without legume) | Broilers             | Spring             | Spring: Spring or summer utilization- Incorporation after 7 days or none | 3 tons/A                         | 0                               | 0                             | 0                | 69                             | 0                             | 0                | 7                                    | 10                            |                  |  | -28 |

<sup>1</sup> See rate calibration table (Nutrient Management Plan Summary Notes).

<sup>2</sup> Positive numbers = nutrient deficit; Negative numbers = nutrient excess

## NMP Summary Notes

---

| CMU/Field ID  | Notes   |
|---------------|---|
| Horse Pasture | three horses on pasture for 18 hours per day for 365 days per year. Feed and water is provided at the barn. |
| Horse Pasture |   |
| Horse Pasture | Either mortality compost or poultry litter will be applied to the pasture to meet nutrient requirements.    |

Crop Years 2023

<sup>1</sup> See rate calibration table (Nutrient Management Plan Summary Notes).

<sup>2</sup> Positive numbers = nutrient deficit; Negative numbers = nutrient excess



## Manure Spreader Calibration Notes

Crop Years 2023

1

| Manure Application Rate | Manure Spreader Used | Spreader Settings                                  | Tractor Used (if applicable) | Tractor Settings (speed, gear, rpm, pto, etc.) |
|-------------------------|----------------------|--|------------------------------|--|
| 2.33 t/a                | Application by hand  | no manure is mechanically applied on the operation |                              |  |
| 3 t/a                   | to be determined     | spreader will be calibrated                        | before use on the pasture    |  |
|                         |                      |  |                              |  |
|                         |                      |  |                              |  |
|                         |                      |  |                              |  |
|                         |                      |  |                              |  |
|                         |                      |  |                              |  |

## Nutrient Management Plan Summary

Crop Year(s) 2024

3.67

Total acres reported in NMP Summary: 3.67

Whole Farm Note:

If manure runs out for any field, consult Appendix 4 of the plan for that field. The fertilizer required on any part of the field that does not receive manure can be determined from the 'Net Nutrients Required' for that field.

Fall manure applications require at least 25% cover unless the crop management unit is planted to a cover crop in time to allow for appropriate growth to control runoff until the next growing season, or the manure is injected or mechanically incorporated within 5 days using minimal soil disturbance techniques consistent with no-till farming practices.

Operation Acres:

Total Acres: 15.97

Total Acres Available For Nutrient Application Under Operator's Control: Owned: 3.67

Rented: 0

Animal Equivalent Units: 223.89

Animal Equivalent Units Per Acre: 61.01

| CMU/Field ID  | Acres | Crop                                 | Manure Group         | Application Season | Application Management   | Planned Manure Rate <sup>1</sup> | Starter/Other Fertilizer (lb/A) |                               |                  | Supplemental Fertilizer (lb/A) |                               |                  | Nutrient Balance (lb/A) <sup>2</sup> |                               |                  |     |
|---------------|-------|--------------------------------------|----------------------|--------------------|--|----------------------------------|---------------------------------|-------------------------------|------------------|--------------------------------|-------------------------------|------------------|--------------------------------------|-------------------------------|------------------|-----|
|               |       |                                      |                      |                    |  |                                  | N                               | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | N                              | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | N                                    | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |     |
| Horse Pasture | 3.67  | Established Pasture (without legume) | horses - Uncollected | Grazing            | Grazing anytime with nutrient uptake during growing season               | Grazing Notes                    | 0                               | 0                             | 0                |                                |                               |                  |                                      |                               |                  |     |
| Horse Pasture | 3.67  | Established Pasture (without legume) | Horses               | Spring             | Spring: Spring or summer utilization- Incorporation after 7 days or none | 2.33 tons/A                      | 0                               | 0                             | 0                |                                |                               |                  |                                      |                               |                  |     |
| Horse Pasture | 3.67  | Established Pasture (without legume) | Broilers             | Spring             | Spring: Spring or summer utilization- Incorporation after 7 days or none | 3 tons/A                         | 0                               | 0                             | 0                | 69                             | 0                             | 0                | 7                                    | 10                            |                  | -28 |

<sup>1</sup> See rate calibration table (Nutrient Management Plan Summary Notes).

<sup>2</sup> Positive numbers = nutrient deficit; Negative numbers = nutrient excess

## NMP Summary Notes

---

Crop Years 2024

| CMU/Field ID  | Notes   |
|---------------|---|
| Horse Pasture | three horses on pasture for 18 hours per day for 365 days per year. Feed and water is provided at the barn. |
| Horse Pasture |   |
| Horse Pasture | Either mortality compost or poultry litter will be applied to the pasture to meet nutrient requirements.    |

<sup>1</sup> See rate calibration table (Nutrient Management Plan Summary Notes).

<sup>2</sup> Positive numbers = nutrient deficit; Negative numbers = nutrient excess

## Manure Spreader Calibration Notes

| Crop Years 2024 |                         |                      |  |                              |  |
|-----------------|-------------------------|----------------------|--|------------------------------|--|
| 1               | Manure Application Rate | Manure Spreader Used | Spreader Settings                                  | Tractor Used (if applicable) | Tractor Settings (speed, gear, rpm, pto, etc.) |
|                 | 2.33 t/a                | Application by hand  | no manure is mechanically applied on the operation |                              |  |
|                 | 3 t/a                   | to be determined     | spreader will be calibrated                        | before use on the pasture    |  |
|                 |                         |                      |  |                              |  |
|                 |                         |                      |  |                              |  |
|                 |                         |                      |  |                              |  |
|                 |                         |                      |  |                              |  |
|                 |                         |                      |  |                              |  |

## Nutrient Management Plan Summary

Total acres reported in NMP Summary: 3.67 Crop Year(s) 2025  
 Whole Farm Note:

If manure runs out for any field, consult Appendix 4 of the plan for that field. The fertilizer required on any part of the field that does not receive manure can be determined from the 'Net Nutrients Required' for that field.

Fall manure applications require at least 25% cover unless the crop management unit is planted to a cover crop in time to allow for appropriate growth to control runoff until the next growing season, or the manure is injected or mechanically incorporated within 5 days using minimal soil disturbance techniques consistent with no-till farming practices.

Operation Acres: 15.97 Total Acres Available For Nutrient Application Under Operator's Control: Owned: 3.67 Rented: 0

Animal Equivalent Units: 223.89 Animal Equivalent Units Per Acre: 61.01

| CMU/Field ID  | Acres | Crop                                 | Manure Group         | Application Season | Application Management   | Planned Manure Rate <sup>1</sup> | Starter/Other Fertilizer (lb/A) |                               |                  | Supplemental Fertilizer (lb/A) |                               |                  | Nutrient Balance (lb/A) <sup>2</sup> |                               |                  |     |
|---------------|-------|--------------------------------------|----------------------|--------------------|--|----------------------------------|---------------------------------|-------------------------------|------------------|--------------------------------|-------------------------------|------------------|--------------------------------------|-------------------------------|------------------|-----|
|               |       |                                      |                      |                    |  |                                  | N                               | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | N                              | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | N                                    | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O |     |
| Horse Pasture | 3.67  | Established Pasture (without legume) | horses - Uncollected | Grazing            | Grazing anytime with nutrient uptake during growing season               | Grazing                          | 0                               | 0                             | 0                |                                |                               |                  |                                      |                               |                  |     |
| Horse Pasture | 3.67  | Established Pasture (without legume) | Horses               | Spring             | Spring: Spring or summer utilization- Incorporation after 7 days or none | 2.33 tons/A                      | 0                               | 0                             | 0                |                                |                               |                  |                                      |                               |                  |     |
| Horse Pasture | 3.67  | Established Pasture (without legume) | Broilers             | Spring             | Spring: Spring or summer utilization- Incorporation after 7 days or none | 3 tons/A                         | 0                               | 0                             | 0                | 69                             | 0                             | 0                | 7                                    | 10                            |                  | -28 |

<sup>1</sup> See rate calibration table (Nutrient Management Plan Summary Notes).

<sup>2</sup> Positive numbers = nutrient deficit; Negative numbers = nutrient excess

## NMP Summary Notes

---

| CMU/Field ID  | Notes   |
|---------------|---|
| Horse Pasture | three horses on pasture for 18 hours per day for 365 days per year. Feed and water is provided at the barn. |
| Horse Pasture |   |
| Horse Pasture | Either mortality compost or poultry litter will be applied to the pasture to meet nutrient requirements.    |

Crop Years 2025

<sup>1</sup> See rate calibration table (Nutrient Management Plan Summary Notes).

<sup>2</sup> Positive numbers = nutrient deficit; Negative numbers = nutrient excess

## Manure Spreader Calibration Notes

| Crop Years 2025 |                         |                      |  |                              |  |
|-----------------|-------------------------|----------------------|--|------------------------------|--|
| 1               | Manure Application Rate | Manure Spreader Used | Spreader Settings                                  | Tractor Used (if applicable) | Tractor Settings (speed, gear, rpm, pto, etc.) |
|                 | 2.33 t/a                | Application by hand  | no manure is mechanically applied on the operation |                              |  |
|                 | 3 t/a                   | to be determined     | spreader will be calibrated                        | before use on the pasture    |  |
|                 |                         |                      |  |                              |  |
|                 |                         |                      |  |                              |  |
|                 |                         |                      |  |                              |  |
|                 |                         |                      |  |                              |  |
|                 |                         |                      |  |                              |  |

## Additional Nutrient Management Plan Requirements

---

### Manure Management and Stormwater BMP Implementation Summary

| Best Management Practice | NRCS Practice Code <sup>1</sup> | BMP Location | Implementation Season & Year |
|--------------------------|---------------------------------|--------------|------------------------------|
| None                     |                                 |              |                              |
|                          |                                 |              |                              |
|                          |                                 |              |                              |
|                          |                                 |              |                              |
|                          |                                 |              |                              |
|                          |                                 |              |                              |
|                          |                                 |              |                              |
|                          |                                 |              |                              |
|                          |                                 |              |                              |
|                          |                                 |              |                              |

<sup>1</sup> If applicable, enter USDA-NRCS Practice Code. For other non-technical BMPs, leave blank.

#### **In-Field Manure Stacking Procedures**

Manure must be applied to the field within 120 days of stacking or the stacks must be covered. Stacks must be implemented and maintained according to sound BMPs, addressing concerns such as soil type, soil slope, shape of the pile, setbacks, and rotation of piles.

---

No manure is field stacked on the operation.

#### **Additional CAFO Requirements**

In-field stacking criteria, winter storage requirements, and other issues identified by DEP's review of the nutrient management plan.

---

none

#### **Proposed Manure Storage Description**

Type, dimensions, volume, freeboard and location on map.

---

No storages are proposed at this time.

#### **Description of Planned Alternative Manure Technology Practices**

Type of practice, volume of manure addressed, and result of practice.

---

None

#### **Exported Manure Summary**

Summarize in a short paragraph the arrangements proposed for the manure to be exported from the operation. This information is described in more detail in Appendix 8 of this plan.

---

Manure is currently exporter to a broker- Kyle Whitmoyer (MB2-2723)



## **Operator Management Map**

---

Three types of maps are required for an Act 38 Nutrient Management Plan: 1) Topographic Map, 2) Soils Map, and 3) Operator Management Map. The **Operator Management Map** is to be included here in the Nutrient Management Plan Summary and must include field identification, acreage and boundaries, manure application setback areas and buffers and associated landscape features (streams and other water bodies, sinkholes and active water wells), location of existing and proposed structural BMPs (including manure storage facilities), location of existing or proposed emergency manure stacking areas and in-field manure stacking areas, and road names adjacent to and within the operation. All features on the map must be clearly identified and include a legend for setback areas and other features. The Topographic Map and Soils Map must be included in Appendix 9.

# Orlin Martin Operation



\* 198.0 feet per inch  
 0 99 198 297 396 feet

**Legend**

- |               |               |                     |      |
|---------------|---------------|---------------------|------|
| field / CMU   | water         | manure stacking     | AHUA |
| farm boundary | stream        | vegetative buffer   | well |
| homestead     | sinkhole area | 100' manure setback | road |
| forest        | sinkhole      | 150' manure setback |      |



**Field Acreages**

---

| Field   | Label   | Description   | Acres       | Suitable Acres |
|---------|---------|---------------|-------------|----------------|
| pasture | pasture |               | 3.67        | 3.25           |
|         |         | <b>Totals</b> | <b>3.67</b> | <b>3.25</b>    |

**Appendix 1**  
**Nutrient Management Plan Agreement & Responsibilities**

---

**Plan Implementation Requirements**

This nutrient management plan has been developed to meet the requirements of the following programs:

|                                     |   |                                     |     |                          |                 |
|-------------------------------------|---|-------------------------------------|-----|--------------------------|-----------------|
| <input checked="" type="checkbox"/> | Pennsylvania Act 38 of 2005                                       | <input checked="" type="checkbox"/> | CAO | <input type="checkbox"/> | VAO (check one) |
| <input type="checkbox"/>            | Pennsylvania CAFO (Concentrated Animal Feeding Operation) program |                                     |     |                          |                 |
| <input type="checkbox"/>            | Other program: _____  |                                     |     |                          |                 |

Plans developed under these programs are required to be implemented as approved in order to maintain compliance with the specific law or program. Implementation includes adherence to manure and fertilizer application rates, timing, setbacks and conditions; installation of listed BMPs within implementation timeframes; and record keeping obligations of the program.

The nutrient management plan has been developed as a: (check one)

|                                     |                                  |                                    |
|-------------------------------------|----------------------------------|------------------------------------|
| <input type="checkbox"/>            | 1-Year Plan for Crop Year _____  | (annual updates will be completed) |
| <input checked="" type="checkbox"/> | 3-Year Plan for Crop Years _____ | 2023-2025                          |

Records required to be maintained include the following:

- 1) Annual crop yields
- 2) Manure and fertilizer application rates, locations and date of application
- 3) Manure production figures for the various manure groups listed in your plan
- 4) Soil test reports (testing required every 3 years per crop management unit)
- 5) Manure test reports (testing required once a year for each manure group)
- 6) Number of animals on pasture, number of days on pasture, and hours per day on pasture
- 7) For operations exporting manure, Manure Export Sheets
- 8) BMP designs and certification for new liquid and semi-solid manure storage facilities

The following has been confirmed:

|                                     |  |                          |                         |
|-------------------------------------|--|--------------------------|-------------------------|
| <input checked="" type="checkbox"/> | Verification of Ag E&S Plan                                    | <input type="checkbox"/> | No Ag E&S Plan Required |
| <input checked="" type="checkbox"/> | Verification of Existing Site Specific Emergency Response Plan |                          |                         |

Verification that owners of rented/leased lands have been notified that a nutrient management plan has been developed which calls for manure to be applied to their lands and that they have no objections to the plan requirements.

|                          |                 |                                     |                        |
|--------------------------|-----------------|-------------------------------------|------------------------|
| <input type="checkbox"/> | Owners Notified | <input checked="" type="checkbox"/> | No Rented/Leased Lands |
|--------------------------|-----------------|-------------------------------------|------------------------|

**Specialist Signature**

I affirm that the information contained in this nutrient management plan is true, accurate and complete to the best of my knowledge and belief, based on information provided by the operator; that this plan has been developed in accordance with the criteria established for the program(s) indicated above; and that I have presented the final complete plan to the operator and discussed the content and implementation of this plan with the operator, subject to the penalties of 18 Pa.C.S.A. § 4904, relating to unsworn falsification to authorities.

Specialist Signature

Date

  
\_\_\_\_\_  
9/30/21

## Operator Signature

I understand and agree that I will implement the practices, procedures and record-keeping obligations as outlined in this plan in order to protect water quality and address the nutrient needs of the crops associated with the operation. I agree that if I use a commercial hauler or broker for the application or export of manure, that only haulers or brokers that hold a valid certification issued by the Pa Department of Agriculture, under Act 49 of 2004, will be used. I affirm that all information provided in this nutrient management plan is true, accurate and complete to the best of my knowledge and belief, and reflects the current and planned activities of the operation; and that, if this plan was completed by a nutrient management specialist, I have reviewed the final completed plan and the specialist has discussed the content and implementation of this plan with me, subject to the penalties of 18 Pa.C.S.A. § 4904, relating to unsworn falsification to authorities.

Operator Signature



Operator Title

Date

9-7-21

**Appendix 2**  
**Operation Information**

---

**Operation Description**

Animal types and numbers; cropland, hayland and pastureland acreage; farmstead acreage; crop rotation (crops, sequence of crops, and number of years for each crop); manure group management (contributing animal groups, collection, storage and handling procedures); composting (including mortality) management.

---

Orlin Martin owns and operates a broiler operation in Muncy PA. The operation consists of three broiler finishing buildings containing 30,000 broilers apiece. Six flocks are finished per barn per year with each flock being in for 6-7 weeks. All manure from the birds is exported to a manure broker at the time of cleanout. Also on the operation are three pleasure horses on 3.67 acres of pasture. Manure from the horses is applied to the pasture as a solid. No other fields are present on the operation. A total of 15.97 acres is owned with 3.67 being permanent pasture and the remaining 12.3 acres being buildings and yard surrounding the house and barn.

Broiler mortalities are composted on the corner of a concrete pad located behind the middle broiler building. Compost is exported as needed. At the current time, horse manure is cleaned from the barn by hand and applied to the pasture by hand. Horse manure is collected in the barn when horses seek shelter. A small amount of bedding is utilized, mainly waste hay. Manure is removed as needed to keep area clean. In the near future a neighbor will apply both horse and poultry manure to the pasture to increase fertility. A small quantity of mortality compost (roughly 5 tons) is received by a neighbor for application to crop land.

**County(s)**

---

Northumberland

**Name of Receiving Stream(s)/Watershed(s)**

---

Unnamed tributary to Warrior Run

**Notation of Special Protection Waters**

---

None

**Operation Acres**

---

Total Acres: 15.97

**Total Acres Available for Nutrient Application Under Operator's Control**

Owned: 3.67

Rented: 0

**Names & Addresses of Owners of Rented or Leased Land and/or Facilities**

---

N/A

### **Existing Manure Storages & Capacity**

Type of storage, dimensions, useable capacity, freeboard, top or bottom loaded, dimensions and description of contributing runoff area, description of wastewater additions, types and amounts of bedding. Briefly describe, for each manure group, manure storage management during removal (degree of agitation, method of manure removal, extent the storage is emptied, type of unremoved manure, etc.) and manure sampling procedures.

---

A small stacking pad is located at the north end of the center barn. The pad measures roughly 30' x 40' with an estimated capacity of 195 tons. Manure is only temporarily stacked here. A small mortality compost pile is also located on the pad.

### **Manure Application Equipment Capacity & Practical Application Rates**

Description of application equipment, practical application rates based on calibration and calibration method used, the data recorded during equipment calibration is to be retained on the farm. If applicable, name and Act 49 certification number of custom applicator.

---

Horse manure in the past has been land applied by hand due to small volume. Poultry litter is recommended to bump nutrient levels in the pasture and a spreader will need to be rented for this.

| Appendix 3 Manure Group Information Crop Yrs. 2023                     | Broilers   |                         | Horses   |                       |
|--|--|-------------------------|--|-----------------------|
|  | Manure Report Date (note if averaging several reports) | Book Value              | Manure Report Date (note if averaging several reports) | Book Value            |
| Laboratory Name  | Spectrum Analytic Inc                                  |                         | Penn State   |                       |
| Manure Type  | Poultry  |                         | Other  |                       |
| Manure Unit (lbs/ton or 1000 gal)                                      | lb/ton   |                         | lb/ton   |                       |
| Total Nitrogen (N) (lbs/ton or 1000 gal)                               | 40.67  |                         | 12.00  |                       |
| Ammonium N (NH <sub>4</sub> -N) (lbs/ton or 1000 gal)                  | 9.37   |                         | 0.00   |                       |
| Total Organic N (lbs/ton or 1000 gal)                                  | 31.30  | Go to NMP Index         | 12.00  |                       |
| Total Phosphate (P <sub>2</sub> O <sub>5</sub> ) (lbs/ton or 1000 gal) | 28.90  | Go to Appendix 3 Input  | 5.00   |                       |
| Total Potash (K <sub>2</sub> O) (lbs/ton or 1000 gal)                  | 30.39  | Go to Manure Avra Input | 9.00   |                       |
| Percent Solids   | 54.30  | Grading Calculator      | 20.00  |                       |
| PSC Value (analytical or book value)                                   | 1.00   |                         | 0.80   |                       |
| Percent Moisture   | 45.70  |                         | 80.00  |                       |
| Manure Group AEU's   | 220.59   |                         | 3.30   |                       |
| Description: Site & Season Applied                                     | Manure generated by broilers                           | Year long               | Manure generated by horses                             | Year long             |
| Inventory Method   | Records  | Calculated              | Calculated   |                       |
|  | Collected Calc.  | Uncollected Calc.       | Collected Calc.  | Uncollected Calc.     |
| Manure Group Identification  | Broilers   |                         | Horses   | Horses - uncollected  |
| CALCULATED: Total Manure Collected Per Manure Group                    | 0.0 Tons   |                         | 9.3 Tons   | 24.8 Tons             |
| RECORDS: Total Manure Collected Per Manure Group                       | 900.0 tons   |                         |  |                       |
| Manure Used On-Farm  | Collected 11.0 Tons                                    | Uncollected 0.0 Tons    | Collected 8.6 Tons                                     | Uncollected 22.8 Tons |
| Manure Exported  | 900.0 tons   |                         | 0.0 tons   |                       |
| Manure Allocation Balance  | -11.0 Tons   | 0.0                     | 0.7 Tons   | 2.0 Tons              |
| Manure Balance as a Percent of Total Manure Collected                  | -1.2%  |                         | 7.9%   |                       |
| Total Rainfall and Runoff  | 0 tons   |                         | 0 tons   |                       |



| Appendix 3 Manure Group Information Crop Yrs. 2023     | Broilers                           |   | Horses                             |   |
|--|------------------------------------|---|------------------------------------|---|
|  | Manure Generation per Animal Group | Uncollected Manure: Nutrient Analysis Book Values | Manure Generation per Animal Group | Uncollected Manure: Nutrient Analysis Book Values |
| <b>Animal Group 1</b>                                  | broilers                           |   | horses                             | horses -  |
| Animal Type  | Broiler, large: 0-53 days          |   | Light Horse Mature                 | uncollected Total Nitrogen (N) lbs/ton            |
| Animal Number  | 90000                              |   | 3                                  | 12.00   |
| Animal Weight  | 3.55 lbs                           |   | 1100 lbs                           | Total Phosphate (P2O5) lbs/ton                    |
| Animal Group AUs                                       | 319.50 AUs                         |   | 3.30 AUs                           | 5.00  |
| Animal Group AEUs                                      | 220.59 AEUs                        |   | 3.30 AEUs                          | Total Potash (K2O) lbs/ton                        |
| Daily Manure Production per AU                         | 28.0 lb                            |   | 55.0 lb                            | 9.00  |
| Total Days Manure Produced                             | 252 days                           |   | 365 days                           | PSC Value   |
| Total Manure Produced                                  | Records                            |   | 33.12 tons                         | 0.80  |
| Days On Pasture  | 0 days                             |   | 365 days                           |   |
| Hours Per Day On Pasture                               | 0 hrs                              |   | 18 hrs                             |   |
| Total Bedding  | Records                            |   | 1.00 tons                          |   |
| Total Washwater  | Records                            |   | 0.00 tons                          |   |
| CALCULATED - Total Uncollected Manure Per Animal Group |                                    |   | 24.84 tons                         | 24.84 - Tons                                      |
| CALCULATED-Total Manure Collected Per Animal Group     | Records                            |   | 9.28 tons                          |   |

| Appendix 3 Manure Group Information Crop Yrs. 2024                     | Broilers                     |  | Horses |                            |
|--|------------------------------|--|--------|----------------------------|
| Manure Report Date (note if averaging several reports)                 | August 26, 2021              |  |        | Book Value                 |
| Laboratory Name  | Spectrum Analytic Inc        |  |        | Penn State                 |
| Manure Type  | Poultry                      |  |        | Other                      |
| Manure Unit (lbs/ton or 1000 gal)                                      | lb/ton                       |  |        | lb/ton                     |
| Total Nitrogen (N) (lbs/ton or 1000 gal)                               | 40.67                        |  |        | 12.00                      |
| Ammonium N (NH <sub>4</sub> -N) (lbs/ton or 1000 gal)                  | 9.37                         |  |        | 0.00                       |
| Total Organic N (lbs/ton or 1000 gal)                                  | 31.30                        |  |        | 12.00                      |
|  |                              |  |        | 5.00                       |
| Total Phosphate (P <sub>2</sub> O <sub>5</sub> ) (lbs/ton or 1000 gal) | 28.90                        |  |        | 9.00                       |
| Total Potash (K <sub>2</sub> O) (lbs/ton or 1000 gal)                  | 30.39                        |  |        | 20.00                      |
| Percent Solids   | 54.30                        |  |        | 0.80                       |
| PSC Value (analytical or book value)                                   | 1.00                         |  |        | 80.00                      |
| Percent Moisture   | 45.70                        |  |        | 3.30                       |
| Manure Group AEU's   | 220.59                       |  |        | Manure generated by horses |
| Description: Site & Season Applied                                     | Manure generated by broilers |  |        | Year long                  |
| Inventory Method   | Records                      |  |        | Calculated                 |
|  | Collected Calc.              |  |        | Collected Calc.            |
|  |                              |  |        | Uncollected Calc.          |
| Manure Group Identification  | Broilers                     |  |        | Horses - uncollected       |
| CALCULATED: Total Manure Collected Per Manure Group                    | 0.0                          |  |        | 24.8                       |
| Units  | Tons                         |  |        | Tons                       |
| RECORDS: Total Manure Collected Per Manure Group                       | 900.0                        |  |        |                            |
| Unit   | tons                         |  |        |                            |
|  | Collected                    |  |        | Uncollected                |
| Manure Used On-Farm  | 11.0                         |  |        | 22.8                       |
| Units  | Tons                         |  |        | Tons                       |
| Manure Exported  | 900.0                        |  |        | 0.0                        |
| Units  | tons                         |  |        | tons                       |
| Manure Allocation Balance  | -11.0                        |  |        | 0.7                        |
| Units  | Tons                         |  |        | Tons                       |
| Manure Balance as a Percent of Total Manure Collected                  | -1.2%                        |  |        | 7.9%                       |
| Total Rainfall and Runoff  | 0                            |  |        | 0                          |
|  | tons                         |  |        | tons                       |

| Appendix 3 Manure Group Information Crop Yrs. 2024     | Broilers                           |   | Horses                             |   |
|--|------------------------------------|---|------------------------------------|---|
|  | Manure Generation per Animal Group | Uncollected Manure: Nutrient Analysis Book Values | Manure Generation per Animal Group | Uncollected Manure: Nutrient Analysis Book Values |
| <b>Animal Group 1</b>                                  | broilers                           |   | horses                             | horses - uncollected                              |
| Animal Type  | Broiler, large: 0-53 days          |   | Light Horse Mature                 | Total Nitrogen (N) lbs/ton                        |
| Animal Number  | 90000                              |   | 3                                  | 12.00   |
| Animal Weight  | 3.55 lbs                           |   | 1100 lbs                           | Total Phosphate (P2O5) lbs/ton                    |
| Animal Group AUs                                       | 319.50 AUs                         |   | 3.30 AUs                           | 5.00  |
| Animal Group AEU's                                     | 220.59 AEU's                       |   | 3.30 AEU's                         | Total Potash (K2O) lbs/ton                        |
| Daily Manure Production per AU                         | 28.0 lb                            |   | 55.0 lb                            | 9.00  |
| Total Days Manure Produced                             | 252 days                           |   | 365 days                           | PSC Value   |
| Total Manure Produced                                  | Records                            |   | 33.12 tons                         | 0.80  |
| Days On Pasture  | 0 days                             |   | 365 days                           |   |
| Hours Per Day On Pasture                               | 0 hrs                              |   | 18 hrs                             |   |
| Total Bedding  | Records                            |   | 1.00 tons                          |   |
| Total Washwater  | Records                            |   | 0.00 tons                          |   |
| CALCULATED - Total Uncollected Manure Per Animal Group |                                    |   | 24.84 tons                         | 24.84 - Tons                                      |
| CALCULATED-Total Manure Collected Per Animal Group     | Records                            |   | 9.28 tons                          |   |

| Appendix 3 Manure Group Information Crop Yrs. 2025                     | Broilers                     | Horses                     |
|--|------------------------------|----------------------------|
| Manure Report Date (note if averaging several reports)                 | August 26, 2021              | Book Value                 |
| Laboratory Name  | Spectrum Analytic Inc        | Penn State                 |
| Manure Type  | Poultry                      | Other                      |
| Manure Unit (lbs/ton or 1000 gal)                                      | lb/ton                       | lb/ton                     |
| Total Nitrogen (N) (lbs/ton or 1000 gal)                               | 40.67                        | 12.00                      |
| Ammonium N (NH <sub>4</sub> -N) (lbs/ton or 1000 gal)                  | 9.37                         | 0.00                       |
| Total Organic N (lbs/ton or 1000 gal)                                  | 31.30                        | 12.00                      |
| Total Phosphate (P <sub>2</sub> O <sub>5</sub> ) (lbs/ton or 1000 gal) | 28.90                        | 5.00                       |
| Total Potash (K <sub>2</sub> O) (lbs/ton or 1000 gal)                  | 30.39                        | 9.00                       |
| Percent Solids   | 54.30                        | 20.00                      |
| PSC Value (analytical or book value)                                   | 1.00                         | 0.80                       |
| Percent Moisture   | 45.70                        | 80.00                      |
| Manure Group AEU's   | 220.59                       | 3.30                       |
| Description: Site & Season Applied                                     | Manure generated by broilers | Manure generated by horses |
| Inventory Method   | Records                      | Calculated                 |
|  | Collected Calc.              | Collected Calc.            |
|  | Uncollected Calc.            | Uncollected Calc.          |
| Manure Group Identification  | Broilers                     | Horses - uncollected       |
| CALCULATED: Total Manure Collected Per Manure Group                    | 0.0                          | 9.3                        |
| Units  | Tons                         | Tons                       |
| RECORDS: Total Manure Collected Per Manure Group                       | 900.0                        |                            |
| Unit   | tons                         |                            |
|  | Collected                    | Collected                  |
| Manure Used On-Farm  | 11.0                         | 8.6                        |
| Units  | Tons                         | Tons                       |
| Manure Exported  | 900.0                        | 0.0                        |
| Units  | tons                         | tons                       |
| Manure Allocation Balance  | -11.0                        | 0.0                        |
| Units  | Tons                         | Tons                       |
| Manure Balance as a Percent of Total Manure Collected                  | -1.2%                        | 7.9%                       |
| Total Rainfall and Runoff  | 0                            | 0                          |
|  | tons                         | tons                       |
|  |                              | Uncollected                |
|  |                              | 22.8                       |
|  |                              | Tons                       |
|  |                              | 2.0                        |
|  |                              | Tons                       |

| Appendix 3 Manure Group Information Crop Yrs. 2025     | Broilers                           |   | Horses                             |   |
|--|------------------------------------|---|------------------------------------|---|
|  | Manure Generation per Animal Group | Uncollected Manure: Nutrient Analysis Book Values | Manure Generation per Animal Group | Uncollected Manure: Nutrient Analysis Book Values |
| Animal Group 1   | broilers                           |   | horses                             | horses -  |
| Animal Type  | Broiler, large: 0-53 days          |   | Light Horse Mature                 | uncollected Total Nitrogen (N) lbs/ton            |
| Animal Number  | 90000                              |   | 3                                  | 12.00   |
| Animal Weight  | 3.55 lbs                           |   | 1100 lbs                           | Total Phosphate (P2O5) lbs/ton                    |
| Animal Group AUs                                       | 319.50 AUs                         |   | 3.30 AUs                           | 5.00  |
| Animal Group AEUs                                      | 220.59 AEUs                        |   | 3.30 AEUs                          | Total Potash (K2O) lbs/ton                        |
| Daily Manure Production per AU                         | 28.0 lb                            |   | 55.0 lb                            | 9.00  |
| Total Days Manure Produced                             | 252 days                           |   | 365 days                           | PSC Value   |
| Total Manure Produced                                  | Records                            |   | 33.12 tons                         | 0.80  |
| Days On Pasture  | 0 days                             |   | 365 days                           |   |
| Hours Per Day On Pasture                               | 0 hrs                              |   | 18 hrs                             |   |
| Total Bedding  | Records                            |   | 1.00 tons                          |   |
| Total Washwater  | Records                            |   | 0.00 tons                          |   |
| CALCULATED - Total Uncollected Manure Per Animal Group |                                    |   | 24.84 tons                         | 24.84 - Tons                                      |
| CALCULATED-Total Manure Collected Per Animal Group     | Records                            |   | 9.28 tons                          |   |

| App. 4: Crop Yrs. 2023   |  | Horse Pasture  |  | Horse Pasture  |  | Horse Pasture  |  |
|--|--|--|--|--|--|--|--|
| CMU/Field ID   |  |  |  |  |  |  |  |
| Acres  | 3.7  | 3.7  | 3.7  | 3.7  | 3.7  | 3.7  | 3.7  |
| Soil Test Report Date  | August 10, 2018  | August 10, 2018  | August 10, 2018  | August 10, 2018  | August 10, 2018  | August 10, 2018  | August 10, 2018  |
| Laboratory Name  | Spectrum Analytiv  | Spectrum Analytiv  | Spectrum Analytiv  | Spectrum Analytiv  | Spectrum Analytiv  | Spectrum Analytiv  | Spectrum Analytiv  |
| Soil Test Levels (Mehlich-3 P & K)<br>(Show conversions to ppm in Appendix 10) | ppm P 8<br>ppm K 44<br>pH 5.6                              | ppm P 8<br>ppm K 44<br>pH 5.6  | ppm P 8<br>ppm K 44<br>pH 5.6  | ppm P 8<br>ppm K 44<br>pH 5.6  | ppm P 8<br>ppm K 44<br>pH 5.6  | ppm P 8<br>ppm K 44<br>pH 5.6  | ppm P 8<br>ppm K 44<br>pH 5.6  |
| P Index Part A Evaluation  | <150ft   | <150ft   | <150ft   | <150ft   | <150ft   | <150ft   | <150ft   |
| Part A Result  | Part B   | Part B   | Part B   | Part B   | Part B   | Part B   | Part B   |
| Crop   | Established Pasture (without legume)                       | Established Pasture (without legume)                                     | Established Pasture (without legume)                                     | Established Pasture (without legume)                                     | Established Pasture (without legume)                                     | Established Pasture (without legume)                                     | Established Pasture (without legume)                                     |
| Planned Yield  | 3 ton/A  | 3 ton/A  | 3 ton/A  | 3 ton/A  | 3 ton/A  | 3 ton/A  | 3 ton/A  |
| PSU Soil Test Recommendation (lb/A)  | N 150<br>P205 140<br>K20 140                               | N 150<br>P205 140<br>K20 140   | N 150<br>P205 140<br>K20 140   | N 150<br>P205 140<br>K20 140   | N 150<br>P205 140<br>K20 140   | N 150<br>P205 140<br>K20 140   | N 150<br>P205 140<br>K20 140   |
| User Soil Test Recommendation (lb/A)   | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Other Nutrients Applied (lb/A)<br>(Nutrients applied regardless of manure)     | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| P Index Application Method   |  |  |  |  |  |  |  |
| Double Crop CarryOver N (lb/A)   | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Manure History Description<br>Residual Manure N (lb/A)                         | 35   | Continuously - Summer Crop   | Continuously - Summer Crop   | Continuously - Summer Crop   | Continuously - Summer Crop   | Continuously - Summer Crop   | Continuously - Summer Crop   |
| Legume History Description<br>Residual Legume N (lb/A)                         | 0  | No Previous Year Legume  | No Previous Year Legume  | No Previous Year Legume  | No Previous Year Legume  | No Previous Year Legume  | No Previous Year Legume  |
| Net Nutrients Required (lb/A)  | 115  | 140  | 140  | 140  | 109  | 84   | 94   |
| Manure Group   | horses - Uncollected                                       | Horses   | Horses   | Horses   | Broilers   | Broilers   | Broilers   |
| Application Season: Management (Incorporation, cover crops, etc.)              | Grazing anytime with nutrient uptake during growing season | Spring: Spring or summer utilization- incorporation after 7 days or none | Spring: Spring or summer utilization- incorporation after 7 days or none | Spring: Spring or summer utilization- incorporation after 7 days or none | Spring: Spring or summer utilization- incorporation after 7 days or none | Spring: Spring or summer utilization- incorporation after 7 days or none | Spring: Spring or summer utilization- incorporation after 7 days or none |
| Availability Factors<br>(Total N or NH4-N & Organic N)                         | Total N 0.20<br>NH4-N<br>Org. N                            | Total N 0.20<br>NH4-N<br>Org. N  | Total N 0.20<br>NH4-N<br>Org. N  | Total N 0.20<br>NH4-N<br>Org. N  | Total N 0.15<br>NH4-N<br>Org. N  | Total N 0.15<br>NH4-N<br>Org. N  | Total N 0.15<br>NH4-N<br>Org. N  |
| P Index Application Method   | Nov - Mar: No incorp or incorp > 1 wk.                     | April - Oct: No incorp or incorp > 1 wk.                                 | April - Oct: No incorp or incorp > 1 wk.                                 | April - Oct: No incorp or incorp > 1 wk.                                 | April - Oct: No incorp or incorp > 1 wk.                                 | April - Oct: No incorp or incorp > 1 wk.                                 | April - Oct: No incorp or incorp > 1 wk.                                 |
| N Balanced Manure Rate (ton; gal/A)  | 47.9 tons/A  | 41.7 tons/A  | 41.7 tons/A  | 41.7 tons/A  | 15.4 tons/A  | 15.4 tons/A  | 15.4 tons/A  |
| P Removal Balance Manure Rate<br>(ton or gal/A; if required by P Index)        | 9 tons/A   | 2.8 tons/A   | 2.8 tons/A   | 2.8 tons/A   | 0.1 tons/A   | 0.1 tons/A   | 0.1 tons/A   |
| P Index Value  | 57   | 57   | 57   | 57   | 57   | 57   | 57   |
| Planned Manure Rate (ton or gal/A)   | 6.22 tons/A  | 2.33 tons/A  | 2.33 tons/A  | 2.33 tons/A  | 3 tons/A   | 3 tons/A   | 3 tons/A   |
| Nutrients Applied at Planned Manure Rate (lb/A)                                | 15<br>31   | 6<br>12  | 6<br>12  | 6<br>12  | 18<br>37   | 18<br>37   | 18<br>37   |
| Nutrient Balance after Manure  | 100<br>84  | 94<br>84   | 94<br>84   | 94<br>84   | 76<br>63   | 76<br>63   | 76<br>63   |
| Supplemental Fertilizer (lb/A)   | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| P Index Application Method   |  |  |  |  |  |  |  |
| Final Nutrient Balance (lb/A)  |  |  |  |  |  |  |  |
| Multiple Application   | Multiple Initial   | Multiple   | Multiple   | Multiple   | Multiple Final   | Multiple Final   | Multiple Final   |
| Manure Utilized on CMU   | 23 tons  | 9 tons   | 9 tons   | 9 tons   | 11 tons  | 11 tons  | 11 tons  |

**Appendix 5 - P Index**

Crop Yrs. 2023

Pennsylvania P Index Version 2

Go to NMP Index  
Go to App. 4 Input

| PART A: SCREENING TOOL CMU/Field ID   |   | PART A: SCREENING TOOL                         |   | CMU/Field ID   |  | Horse Pasture                                  |               |
|---|---|--|---|--|--|--|---------------|
| Is the CMU in a Special Protection watershed?   | Is the CMU in a Special Protection watershed?   |  |   |  |  |  | No            |
| A significant farm management change as defined by Act 38?                                      | Is there a significant farm management change as defined by Act 38?                   |  |   |  |  |  | No            |
| Soil Test Mehlich 3 P greater than 200 ppm P?   | Is the Soil Test Mehlich 3 P greater than 200 ppm P? (enter soil test value in ppm P) |  |   |  |  |  | 8             |
| Contributing Distance from CMU to receiving water <150 ft.?                                     | Is the Contributing Distance from this CMU to receiving water less than 150 ft.?      |  |   |  |  |  | Yes           |
| Is winter manure application planned for this field?  | Is winter manure application planned for this field?                                  |  |   |  |  |  | No            |
| Run P Index Part B voluntarily? (No to all Part A questions.)                                   | Run P Index Part B voluntarily? (Answers are No to all Part A questions.)             |  |   |  |  |  | No            |
| <b>PART B: SOURCE FACTORS: Mehlich 3 Soil Test P (ppm P)</b>                                    | Mehlich 3 Soil Test P (ppm P)   |  |   |  |  |  | 8             |
| <b>Soil Test Rating = 0.20* Mehlich 3 Soil Test P (ppm P)</b>                                   |   |  |   |  |  |  | 2             |
| FERTILIZER P APPLIED REGARDLESS OF MANURE (Starter or other)                                    | Fertilizer P (lb P2O5/acre)   |  |   |  |  |  | 0, 0, 0       |
| P INDEX APPLICATION METHOD OF FERTILIZER P APPLIED REGARDLESS OF MANURE <sup>3</sup>            | 0.2 Placed or injected 2" or more deep  | 0.4 Incorporated <1 week following application | 0.6 Incorporated >1 week or not incorporated following application in April - October | 0.8 Incorporated >1 week or not incorporated following application in Nov. - March | 1.0 Fertilizer P (lb P2O5/acre)        | Surface applied to frozen or snow covered soil | 0, 0, 0       |
| SUPPLEMENTAL P FERTILIZER   | 0.2 Placed or injected 2" or more deep  | 0.4 Incorporated <1 week following application | 0.6 Incorporated >1 week or not incorporated following application in April - October | 0.8 Incorporated >1 week or not incorporated following application in Nov. - March | 1.0 Fertilizer P (lb P2O5/acre)        | Surface applied to frozen or snow covered soil | 0, 0, 0       |
| P INDEX APPLICATION METHOD OF SUPPLEMENTAL P FERTILIZER <sup>3</sup>                            |   |  |   |  |  |  |               |
| <b>Fertilizer Rating = Fertilizer Rate x Fertilizer Application Method</b>                      |   |  |   |  |  |  |               |
| MANURE P RATE   | 0.2 Placed or injected 2" or more deep  | 0.4 Incorporated <1 week following application | 0.6 Incorporated >1 week or not incorporated following application in April - October | 0.8 Incorporated >1 week or not incorporated following application in Nov. - March | 1.0 Manure P (lb P2O5/acre)            | Surface applied to frozen or snow covered soil | 31, 12, 87    |
| MANURE APPLICATION METHOD <sup>3</sup>  |   |  |   |  |  |  | 0.8, 0.6, 0.6 |
| P SOURCE COEFFICIENT <sup>3</sup>   |   |  |   |  |  |  | 0             |
| <b>Manure Rating = Manure Rate x Manure Application Method x P Source Coefficient</b>           |   |  |   |  |  |  |               |
| Source Factor Sum   |   |  |   |  |  |  | 78            |
| <b>PART B: TRANSPORT FACTORS</b>  |   |  |   |  |  |  |               |
| EROSION   |   |  |   |  |  |  |               |
| RUNOFF POTENTIAL  | Drainage Class is Excessively   | 2 Drainage Class is Somewhat Excessively       | 4 Drainage Class is Well/Moderately Well  | 6 Drainage Class is Somewhat Poorly  | 8 Drainage Class is Poorly/Very Poorly |  | 4             |
| SUBSURFACE DRAINAGE   | 0 None  | 1 Random                                       | 2 Patterned   |  |  |  | 0             |
| CONTRIBUTING DISTANCE   | 0 > 500 ft.   | 2 350 to 500 ft.                               | 4 200 to 349 ft.  | 6 100 to 199 ft. OR <100 ft. with 35 ft. buffer                                    | 8 < 100 ft.                            |  | 6             |
| <b>Transport Sum = Erosion + Runoff Potential + Subsurface Drainage + Contributing Distance</b> |   |  |   |  |  |  |               |
| MODIFIED CONNECTIVITY   | 0.85 50 ft. Riparian Buffer APPLIES TO DIST < 100 FT                                  | 1.0 Grassed Waterway or None                   | 1.1 Direct Connection APPLIES TO DIST > 100 FT  |  |  |  | 0.9           |
| <b>Transport Sum x Modified Connectivity / 24</b>   |   |  |   |  |  |  |               |
| <b>P Index Value = 2 x Source x Transport</b>   |   |  |   |  |  |  | 0.36          |
|   |   |  |   |  |  |  | <b>57</b>     |

Low: 59 or less  
Nitrogen based management

Medium: 60 to 79  
Nitrogen based management

High: 80 to 99  
Phosphorus limited to crop removal

Very High: 100 or greater  
No Phosphorus applied

1 OR rapidly permeable soil near a stream  
2 "g" factor does not apply to fields receiving manure with a 35 ft. buffer.  
3 Error Note: if there is a manure or fertilizer rate and there is no corresponding method factor or PSC, it will display an "E".

| App. 4: Crop Yrs. 2024   |  | Horse Pasture  | Horse Pasture  | Horse Pasture  |
|--|--|--|--|--|
| CMU/Field ID   |  |  |  |  |
| Acres  | 3.7  | 3.7  | 3.7  | 3.7  |
| Soil Test Report Date  | August 10, 2018  | August 10, 2018  | August 10, 2018  | August 10, 2018  |
| Laboratory Name  | Spectrum Analytiv  | Spectrum Analytiv  | Spectrum Analytiv  | Spectrum Analytiv  |
| Soil Test Levels (Mehlich-3 P & K)<br>(Show conversions to ppm in Appendix 10) | ppm P 8<br>ppm K 44<br>pH 5.6                              | ppm P 8<br>ppm K 44<br>pH 5.6  | ppm P 8<br>ppm K 44<br>pH 5.6  | ppm P 8<br>ppm K 44<br>pH 5.6  |
| P Index Part A Evaluation  | <150ft   | <150ft   | <150ft   | <150ft   |
| Part A Result  | Part B   | Part B   | Part B   | Part B   |
| Crop   | Established Pasture (without legume)                       | Established Pasture (without legume)                                     | Established Pasture (without legume)                                     | Established Pasture (without legume)                                     |
| Planned Yield  | 3 ton/A  | 3 ton/A  | 3 ton/A  | 3 ton/A  |
| PSU Soil Test Recommendation (lb/A)  | N 150<br>P205 140<br>K20 140                               | N 150<br>P205 140<br>K20 140   | N 150<br>P205 140<br>K20 140   | N 150<br>P205 140<br>K20 140   |
| User Soil Test Recommendation (lb/A)   | 0  | 0  | 0  | 0  |
| Other Nutrients Applied (lb/A)<br>(Nutrients applied regardless of manure)     |  |  |  |  |
| P Index Application Method   |  |  |  |  |
| Double Crop Carryover N (lb/A)   | 0  | 0  | 0  | 0  |
| Manure History Description<br>Residual Manure N (lb/A)                         | 35   | 0  | 0  | 0  |
| Legume History Description<br>Residual Legume N (lb/A)                         | 0  | 0  | 0  | 0  |
| Net Nutrients Required (lb/A)  | 115  | 100  | 84   | 94   |
| Manure Group   | horses - Uncollected                                       | Horses   |  | Broilers   |
| Application Season: Management (Incorporation, cover crops, etc.)              | Grazing anytime with nutrient uptake during growing season | Spring: Spring or summer utilization- Incorporation after 7 days or none | Spring: Spring or summer utilization- Incorporation after 7 days or none | Spring: Spring or summer utilization- Incorporation after 7 days or none |
| Availability Factors<br>(Total N or NH4-N & Organic N)                         | Total N 0.20<br>NH4-N<br>Org. N                            | Total N 0.20<br>NH4-N<br>Org. N  | Total N 0.15<br>NH4-N<br>Org. N  | Total N 0.15<br>NH4-N<br>Org. N  |
| P Index Application Method   | Nov - Mar: No incorp or incorp > 1 wk.                     | April - Oct: No incorp or incorp > 1 wk.                                 | April - Oct: No incorp or incorp > 1 wk.                                 | April - Oct: No incorp or incorp > 1 wk.                                 |
| N Balanced Manure Rate (ton; gal/A)  | 47.9 tons/A  | 41.7 tons/A  | 15.4 tons/A  | 15.4 tons/A  |
| P Removal Balance Manure Rate<br>(ton or gal/A; if required by P Index)        | 9 tons/A   | 2.8 tons/A   | 0.1 tons/A   | 0.1 tons/A   |
| Crop P Removal (lb/A)  | 45.0   | 14.0   | 2.0  | 2.0  |
| P Index Value  | 57   | 57   | 57   | 57   |
| Planned Manure Rate (ton or gal/A)   | 6.22 tons/A  | 2.33 tons/A  | 3 tons/A   | 3 tons/A   |
| Nutrients Applied at Planned Manure Rate (lb/A)                                | 15   | 6  | 18   | 18   |
| Nutrient Balance after Manure  | 100  | 94   | 76   | 76   |
| Supplemental Fertilizer (lb/A)   | 0  | 0  | 0  | 0  |
| P Index Application Method   | April - Oct: No incorp or incorp > 1 wk.                   | April - Oct: No incorp or incorp > 1 wk.                                 | April - Oct: No incorp or incorp > 1 wk.                                 | April - Oct: No incorp or incorp > 1 wk.                                 |
| Final Nutrient Balance (lb/A)  |  |  | 7  | 10   |
| Multiple Application   | Multiple Initial   | Multiple   | Multiple Final   | Multiple Final   |
| Manure Utilized on CMU   | 23 tons  | 9 tons   | 11 tons  | 11 tons  |



**Appendix 5 - P Index**

Crop Yrs. 2024

Pennsylvania P Index Version 2

Go to NMP Index  
Go to App 4 Input

| PART A: SCREENING TOOL CMU/Field ID   |   | PART A: SCREENING TOOL                            |  | CMU/Field ID   | Horse Pasture                             |
|---|---|---|--|--|---|
| Is the CMU in a Special Protection watershed?   | Is the CMU in a Special Protection watershed?   |   |  | If the answer is Yes to any of these questions, Part B must be used. | No  |
| A significant farm management change as defined by Act 38?                                      | Is there a significant farm management change as defined by Act 38?                   |   |  |  | No  |
| Soil Test Mehlich 3 P greater than 200 ppm P?   | Is the Soil Test Mehlich 3 P greater than 200 ppm P? (enter soil test value in ppm P) |   |  |  | 8   |
| Contributing Distance from CMU to receiving water <150 ft.?                                     | Is the Contributing Distance from this CMU to receiving water less than 150 ft.?      |   |  |  | Yes                                       |
| Is winter manure application planned for this field?  | Is winter manure application planned for this field?                                  |   |  |  | No  |
| Run P Index Part B voluntarily? (No to all Part A questions.)                                   | Run P Index Part B voluntarily? (Answers are No to all Part A questions.)             |   |  | No   | No  |
| <b>PART B: SOURCE FACTORS: Mehlich 3 Soil Test P (ppm P)</b>                                    |   | Mehlich 3 Soil Test P (ppm P)                     |  |  | 8   |
| FERTILIZER P APPLIED REGARDLESS OF MANURE (Starter or other)                                    |   |   |  | Fertilizer P (lb P2O5/acre)  | 0, 0, 0                                   |
| P INDEX APPLICATION METHOD OF FERTILIZER P APPLIED REGARDLESS OF MANURE <sup>3</sup>            | 0.2<br>Placed or injected 2" or more deep   | 0.4<br>Incorporated <1 week following application | 0.6<br>Incorporated >1 week or not incorporated following application in April - October | 1.0<br>Surface applied to frozen or snow covered soil                | 0, 0, 0                                   |
| SUPPLEMENTAL P FERTILIZER   | 0.2<br>Placed or injected 2" or more deep   | 0.4<br>Incorporated <1 week following application | 0.6<br>Incorporated >1 week or not incorporated following application in April - October | 1.0<br>Surface applied to frozen or snow covered soil                | 0, 0, 0                                   |
| P INDEX APPLICATION METHOD OF SUPPLEMENTAL P FERTILIZER <sup>3</sup>                            | 0.2<br>Placed or injected 2" or more deep   | 0.4<br>Incorporated <1 week following application | 0.6<br>Incorporated >1 week or not incorporated following application in April - October | 1.0<br>Surface applied to frozen or snow covered soil                | 0, 0, 0, 1                                |
| <b>Fertilizer Rating = Fertilizer Rate x Fertilizer Application Method</b>                      |   |   |  |  |   |
| MANURE P RATE   |   |   |  | Manure P (lb P2O5/acre)  | 31, 12, 87                                |
| MANURE APPLICATION METHOD <sup>3</sup>  | 0.2<br>Placed or injected 2" or more deep   | 0.4<br>Incorporated <1 week following application | 0.6<br>Incorporated >1 week or not incorporated following application in April - October | 1.0<br>Surface applied to frozen or snow covered soil                | 0.8, 0.6, 0.6                             |
| <b>P SOURCE COEFFICIENT<sup>3</sup></b>   |   |   |  |  |   |
| Refer to: Test results for P Source Coefficient OR Book values from P Index Fact Sheet Table 1  |   |   |  |  |   |
| <b>Manure Rating = Manure Rate x Manure Application Method x P Source Coefficient</b>           |   |   |  |  |   |
| <b>Source Factor Sum</b>  |   |   |  |  |   |
| <b>PART B: TRANSPORT FACTORS</b>  |   |   |  |  |   |
| EROSION   |   |   |  |  |   |
| RUNOFF POTENTIAL  | Drainage Class is Excessively   | 2<br>Drainage Class is Somewhat Excessively       | 4<br>Drainage Class is Well/Moderately Well  | 6<br>Drainage Class is Somewhat Poorly                               | 8<br>Drainage Class is Poorly/Very Poorly |
| SUBSURFACE DRAINAGE   | 0<br>None   | 1<br>Random                                       | 2<br>Patterned   | 3<br>Patterned   | 4<br>Patterned                            |
| CONTRIBUTING DISTANCE   | 0<br>> 500 ft.  | 2<br>350 to 500 ft.                               | 4<br>200 to 349 ft.  | 6<br>100 to 199 ft. OR < 100 ft. with 35 ft. buffer                  | 8<br>< 100 ft.                            |
| <b>Transport Sum = Erosion + Runoff Potential + Subsurface Drainage + Contributing Distance</b> |   |   |  |  |   |
| MODIFIED CONNECTIVITY   | 0.85<br>50 ft. Riparian Buffer APPLIES TO DIST < 100 FT                               | 1.0<br>Grassed Waterway or None                   | 1.1<br>Direct Connection APPLIES TO DIST > 100 FT  |  |   |
| <b>Transport Sum x Modified Connectivity / 24</b>   |   |   |  |  |   |
| <b>P Index Value = 2 x Source x Transport</b>   |   |   |  |  |   |
| Low: 59 or less   | Medium: 60 to 79  | High: 80 to 99                                    | Very High: 100 or greater  |  |   |
| Nitrogen based management   | Nitrogen based management   | Phosphorus limited to crop removal                | No Phosphorus applied  |  |   |

1 OR rapidly permeable soil near a stream  
2 "g" factor does not apply to fields receiving manure with a 35 ft. buffer.  
3 Error Note: if there is a manure or fertilizer rate and there is no corresponding method factor or PSC, it will display an "E".

| App. 4: Crop Yrs. 2025   | Horse Pasture  | Horse Pasture   | Horse Pasture   |
|--|--|---|---|
| CMU/Field ID   |  |   |   |
| Acres  | 3.7  | 3.7   | 3.7   |
| Soil Test Report Date  | August 10, 2018  | August 10, 2018   | August 10, 2018   |
| Laboratory Name  | Spectrum Analytiv  | Spectrum Analytiv   | Spectrum Analytiv   |
| Soil Test Levels (Mehlich-3 P & K)<br>(Show conversions to ppm in Appendix 10) | ppm P 8<br>ppm K 44<br>pH 5.6                              | ppm P 8<br>ppm K 44<br>pH 5.6   | ppm P 8<br>ppm K 44<br>pH 5.6   |
| P Index Part A Evaluation  | <150ft   | <150ft  | <150ft  |
| Part A Result  | Part B   | Part B  | Part B  |
| Crop   | Established Pasture (without legume)                       | Established Pasture (without legume)                                    | Established Pasture (without legume)                                    |
| Planned Yield  | 3 tons/A   | 3 tons/A  | 3 tons/A  |
| PSU Soil Test Recommendation (lb/A)  | N 150<br>P205 140<br>K20 140                               | N 150<br>P205 140<br>K20 140  | N 150<br>P205 140<br>K20 140  |
| User Soil Test Recommendation (lb/A)   | 0  | 0   | 0   |
| Other Nutrients Applied (lb/A)<br>(Nutrients applied regardless of manure)     | 0  | 0   | 0   |
| P Index Application Method   |  |   |   |
| Double Crop CarryOver N (lb/A)   | 0  | 0   | 0   |
| Manure History Description<br>Residual Manure N (lb/A)                         | 35   | 0   | 0   |
| Legume History Description<br>Residual Legume N (lb/A)                         | 0  | 0   | 0   |
| Net Nutrients Required (lb/A)  | 115  | 100   | 94  |
| Manure Group   | horses - Uncollected                                       | Horses  | Broilers  |
| Application Season: Management (Incorporation, cover crops, etc.)              | Grazing anytime with nutrient uptake during growing season | Spring: Spring or summer utilization-Incorporation after 7 days or none | Spring: Spring or summer utilization-Incorporation after 7 days or none |
| Availability Factors<br>(Total N or NH4-N & Organic N)                         | Total N 0.20<br>NH4-N<br>Org. N                            | Total N 0.20<br>NH4-N<br>Org. N   | Total N 0.15<br>NH4-N<br>Org. N   |
| P Index Application Method   | Nov - Mar: No incorp or incorp > 1 wk.                     | April - Oct: No incorp or incorp > 1 wk.                                | April - Oct: No incorp or incorp > 1 wk.                                |
| N Balanced Manure Rate (ton; gal/A)  | 47.9 tons/A  | 41.7 tons/A   | 15.4 tons/A   |
| P Removal Balance Manure Rate<br>(ton or gal/A; if required by P Index)        | 9 tons/A   | 2.8 tons/A  | 0.1 tons/A  |
| P Index Value  | Crop P Removal (lb/A) 45.0                                 | Crop P Removal (lb/A) 14.0  | Crop P Removal (lb/A) 2.0   |
| Planned Manure Rate (ton or gal/A)   | 57   | 57  | 57  |
| Nutrients Applied at Planned Manure Rate (lb/A)                                | 6.22 tons/A  | 2.33 tons/A   | 3 tons/A  |
| Nutrient Balance after Manure  | 15<br>100<br>0   | 6<br>94<br>0  | 18<br>76<br>69  |
| Supplemental Fertilizer (lb/A)   | 31<br>109<br>0   | 12<br>97<br>0   | 87<br>10<br>0   |
| P Index Application Method   |  |   |   |
| Final Nutrient Balance (lb/A)  |  | April - Oct: No incorp or incorp > 1 wk.                                | April - Oct: No incorp or incorp > 1 wk.                                |
| Multiple Application   | Multiple Initial   | Multiple  | Multiple Final  |
| Manure Utilized on CMU   | 23 tons  | 9 tons  | 11 tons   |

**Appendix 5 - P Index**

Go to NMP Index

Crop Yrs. 2025

Pennsylvania P Index Version 2

Go to App. 4 Input

| PART A: SCREENING TOOL CMU/Field ID   |   | PART A: SCREENING TOOL |  | CMU/Field ID   | Horse Pasture                                     |
|---|---|------------------------|--|--|---|
| Is the CMU in a Special Protection watershed?   | Is the CMU in a Special Protection watershed?   |                        |  |  | No  |
| A significant farm management change as defined by Act 38?                                      | Is there a significant farm management change as defined by Act 38?                   |                        |  | If the answer is Yes to any of these questions, Part B must be used. | No  |
| Soil Test Mehlich 3 P greater than 200 ppm P?   | Is the Soil Test Mehlich 3 P greater than 200 ppm P? (enter soil test value in ppm P) |                        |  |  | 8   |
| Contributing Distance from CMU to receiving water <150 ft.?                                     | Is the Contributing Distance from this CMU to receiving water less than 150 ft.?      |                        |  |  | Yes   |
| Is winter manure application planned for this field?  | Is winter manure application planned for this field?                                  |                        |  |  | No  |
| Run P Index Part B voluntarily? (No to all Part A questions.)                                   | Run P Index Part B voluntarily? (Answers are No to all Part A questions.)             |                        |  |  | No  |
| <b>PART B: SOURCE FACTORS: Mehlich 3 Soil Test P (ppm P)</b>                                    | Mehlich 3 Soil Test P (ppm P)   |                        |  |  | 8   |
| <b>Soil Test Rating = 0.20* Mehlich 3 Soil Test P (ppm P)</b>                                   |   |                        |  |  | 2   |
| FERTILIZER P APPLIED REGARDLESS OF MANURE (Starter or other)                                    |   |                        |  | Fertilizer P (lb P2O5/acre)  | 0, 0, 0   |
| P INDEX APPLICATION METHOD OF FERTILIZER P APPLIED REGARDLESS OF MANURE <sup>3</sup>            | Placed or injected 2" or more deep  | 0.2                    | Incorporated > 1 week or not incorporated following application in April - October | 1.0<br>Surface applied to frozen or snow covered soil                | 1, 1, -   |
| SUPPLEMENTAL P FERTILIZER   |   |                        |  | Fertilizer P (lb P2O5/acre)  | 0, 0, 0   |
| P INDEX APPLICATION METHOD OF SUPPLEMENTAL P FERTILIZER <sup>3</sup>                            | Placed or injected 2" or more deep  | 0.2                    | Incorporated > 1 week or not incorporated following application in April - October | 1.0<br>Surface applied to frozen or snow covered soil                | -, 0.6, -   |
| <b>Fertilizer Rating = Fertilizer Rate x Fertilizer Application Method</b>                      |   |                        |  |  |   |
| MANURE P RATE   |   |                        |  | Manure P (lb P2O5/acre)  | 31, 12, 87  |
| MANURE APPLICATION METHOD <sup>3</sup>  | Placed or injected 2" or more deep  | 0.2                    | Incorporated > 1 week or not incorporated following application in April - October | 1.0<br>Surface applied to frozen or snow covered soil                | 0.8, 0.6, 0.6                                     |
| P SOURCE COEFFICIENT <sup>3</sup>   |   |                        |  |  | 0.8, 0.8, 1                                       |
| <b>Manure Rating = Manure Rate x Manure Application Method x P Source Coefficient</b>           |   |                        |  |  |   |
| Source Factor Sum   |   |                        |  |  | 78  |
| <b>PART B: TRANSPORT FACTORS EROSION</b>  |   |                        |  |  |   |
| RUNOFF POTENTIAL  | Drainage Class is Excessively   | 0                      | Drainage Class is Well/Moderately Well   | 4  | Drainage Class is Poorly/Very Poorly              |
| SUBSURFACE DRAINAGE   | None  | 0                      | Random   | 1  | Patterned   |
| CONTRIBUTING DISTANCE   | > 500 ft.   | 0                      | 200 to 349 ft.   | 4  | 100 to 199 ft. OR < 100 ft.                       |
| <b>Transport Sum = Erosion + Runoff Potential + Subsurface Drainage + Contributing Distance</b> |   |                        |  |  |   |
| MODIFIED CONNECTIVITY   | 0.85<br>50 ft. Riparian Buffer<br>APPLIES TO DIST < 100 FT                            |                        | Grassed Waterway or None   | 1.0  | 1.1<br>Direct Connection APPLIES TO DIST > 100 FT |
| <b>Transport Sum x Modified Connectivity / 24</b>   |   |                        |  |  |   |
| <b>P Index Value = 2 x Source x Transport</b>   |   |                        |  |  | 0.9   |
|   |   |                        |  |  | 0.36  |
|   |   |                        |  |  | <b>57</b>   |

Low: 59 or less  
Nitrogen based management

Medium: 60 to 79  
Nitrogen based management

High: 80 to 99  
Phosphorus limited to crop removal

Very High: 100 or greater  
No Phosphorus applied

1 OR rapidly permeable soil near a stream  
2 "9" factor does not apply to fields receiving manure with a 35 ft. buffer.  
3 Error Note: if there is a manure or fertilizer rate and there is no corresponding method or PSC, it will display an "E".

Appendix 6  
**Manure Management**

---

**Date of Site Evaluation:** August 21, 2021

**Statement Documenting Areas Evaluated During Site Evaluation**

List and clearly identify each of the specific areas evaluated.

---

A site visit was conducted on August 21, 2021 to determine if there are any manure handling issues on the operation. During the visit the pasture, broiler barn areas, and manure stacking pads were looked at to determine if there are any problems present.

**Identification of Inadequate Manure Management Practices and Conditions**

List of each specific inadequate manure management practice or condition identified.

---

No issues were found during the visit.

**BMPs to Address Manure Management Problem Areas**

List of specific BMPs (including PA Technical Guide standard name and number) and management changes that will be implemented to address each of the inadequate practices listed above.

---

None

**Appendix 7**  
**Stormwater Control**

---

**Date of Site Evaluation:** August 21, 2021

**Statement Documenting Areas Evaluated During Site Evaluation**

List and clearly identify each of the specific areas evaluated.

---

A site visit was conducted on August 21, 2021 to determine if there are any erosion issues present on the operation. During the visit the building sites, farm lanes and pasture were looked at to determine if there are issues present.

**Identification of Critical Runoff Problem Areas**

List of each specific critical runoff problem area identified.

---

No issues were found during the visit

**BMPs to Address Critical Runoff Problem Areas**

List of BMPs (including PA Technical Guide standard name and number) and specific management changes that will be implemented to address each of the critical runoff problem areas listed above.

---

None

**Appendix 8**  
**Importer/Broker Agreements & NBSs**

---

Nutrient Balance Sheets are not required for importers that have an approved Nutrient Management Plan.

## Exporter/Broker Agreement

*Developed consistent with the PA Nutrient and Odor Management Act Program*

- 1) This agreement is entered into on November 1 2019, by Orlin Martin (the "exporter") who will supply manure, and Kyle Whitmoyer (the "broker") who will receive the manure from the exporter.
- 2) The purpose of this agreement is to set forth the mutual responsibilities and understanding of the parties with respect to the export of manure from the exporter to the broker.
- 3) The exporter is located at (county, twp, and address): 215 Balliet Rd Muncy PA 17756  
Northumberland County Lewis TWP
- 4) The exporter will, as the supply of manure allows, provide the following amounts of manure during the seasons outlined below:

Tons of Chicken (Species) manure, per season:

Spring 225 Summer 225 Fall 225 Winter 225

Gallons of (Species) manure, per season:

Spring \_\_\_\_\_ Summer \_\_\_\_\_ Fall \_\_\_\_\_ Winter \_\_\_\_\_

**Total planned manure exported: (supply of manure may be less than what is planned)**

Tons of Chicken (Species) manure: 900

Gallons of \_\_\_\_\_ (Species) manure: \_\_\_\_\_

*If multi-species are planned, please add additional lines:*

- 5) The broker's contact information is as follows:
  - a) Name: Kyle Whitmoyer
  - b) Address: 5225 Susquehanna trail Turbotville PA 17772
  - c) Telephone number: 5707139118
  - d) PDA Manure Broker Certification number: 2723 MB 2
- 6) The Broker agrees to maintain their status as a certified Commercial Manure Broker as provided under Pa's Commercial Manure Hauler and Broker Certification Program (7 Pa Code Chapter 130e).
- 7) The Broker agrees to comply with all requirements established by section 5 of the Commercial Manure Hauler and Broker Certification Act regarding the development and distribution of nutrient balance sheets to importing operations and conservation districts when handling manure from a CAO, CAFO or volunteer operation. Specifically, where a broker under this agreement, makes arrangements for land application of the manure on an importing agricultural operation, the broker must:
  - a. Provide a NBS to all importing operations receiving manure for land application, no later than the time of manure transfer

- b. Provide copies of the NBS, no later than the time of manure transfer, to the county conservation district where the manure originated (exporting operation county)
- c. Provide copies of the NBS, no later than the time of manure transfer, to the county conservation district where the manure is being applied (importing operation county)

Where a broker under this agreement, arranges for the use of manure for purposes other than land application, the broker is not required to supply a NBS to the importing operation

- 8) The exporter will use a Manure Export Sheet to record all manure exported to the broker. These Manure Export Sheets are available from the county conservation district or the State Conservation Commission. Computer generated forms other than the manure export sheet may be used if they contain the same information as, and are reasonably similar in format to, the forms available from the State Conservation Commission or the conservation district.
- 9) This agreement shall remain in full effect unless terminated by either party upon thirty days prior written notice to the other party. If this agreement is terminated, the exporter shall notify the county conservation district office that approved their nutrient management plan, of the termination.
- 10) By signing this agreement, the broker accepts full responsibility for the manure received from the exporter as long as the manure is under the broker's control, including handling, storage and land application.

Exporter Signature, Name and Date

*Orlin Martin* (signature)  
Orlin Martin (name)  
11/1/2019 (date)

Broker Signature, Name and Date

*Ryle Whitmoyer* (signature)  
Ryle Whitmoyer (name)  
11/1/2019 (date)



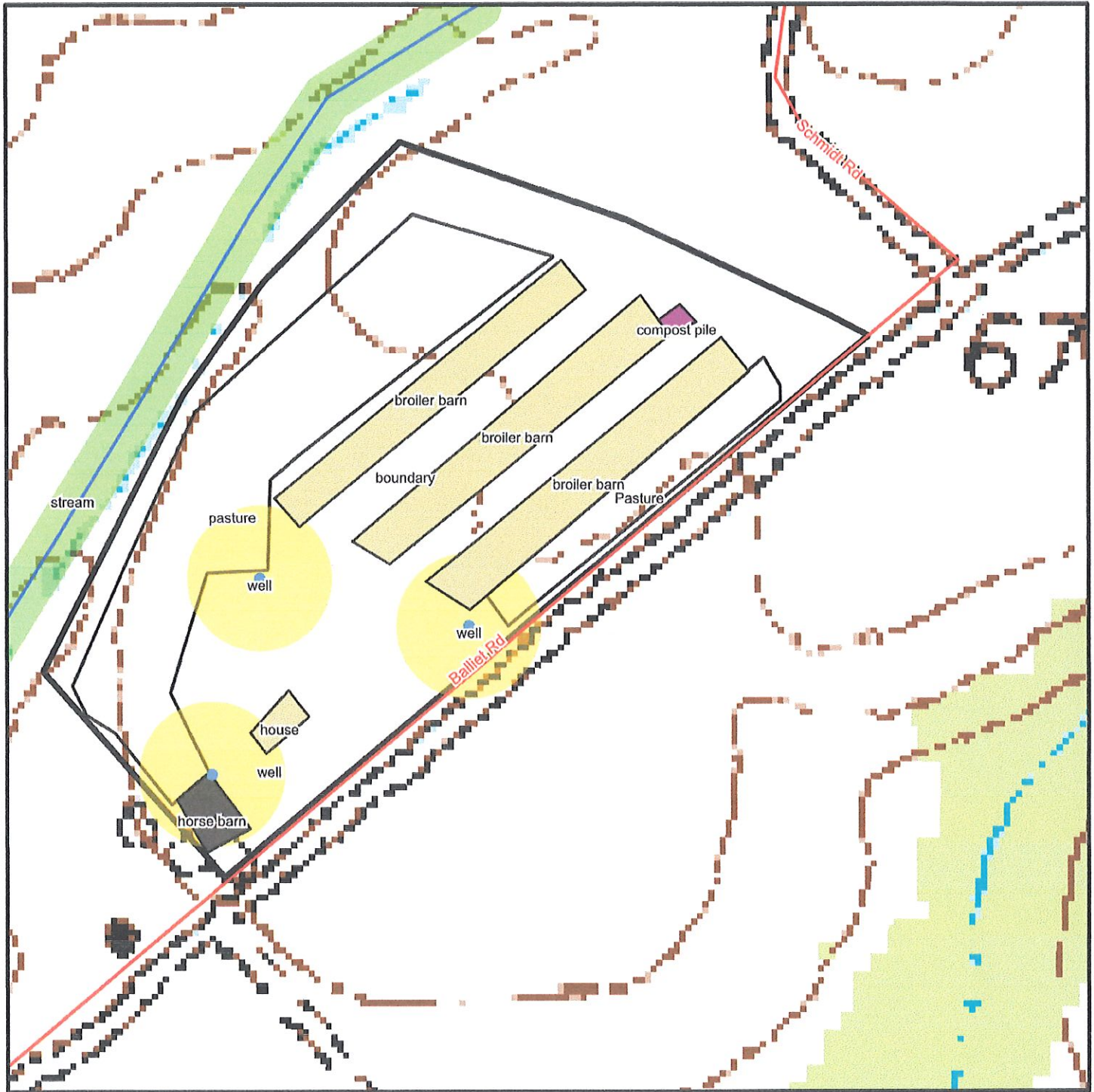
## Appendix 9

### Operation Maps

---

Three types of maps are required for an Act 38 Nutrient Management Plan: 1) Topographic Map, 2) Soils Map, and 3) Operator Management Map. The **Topographic Map and Soils Map** must be included here. The Topographic map must be drawn to scale and identify the land included in the plan with operation boundaries. The Soils Map must include the field identification and boundaries, soil types and slopes with soil legend. Adding P Index lines can be helpful on the Topographic or Soils map but are not required. The Operator Management Map must be included in the Nutrient Management Plan Summary.

# Orlin Martin Operation



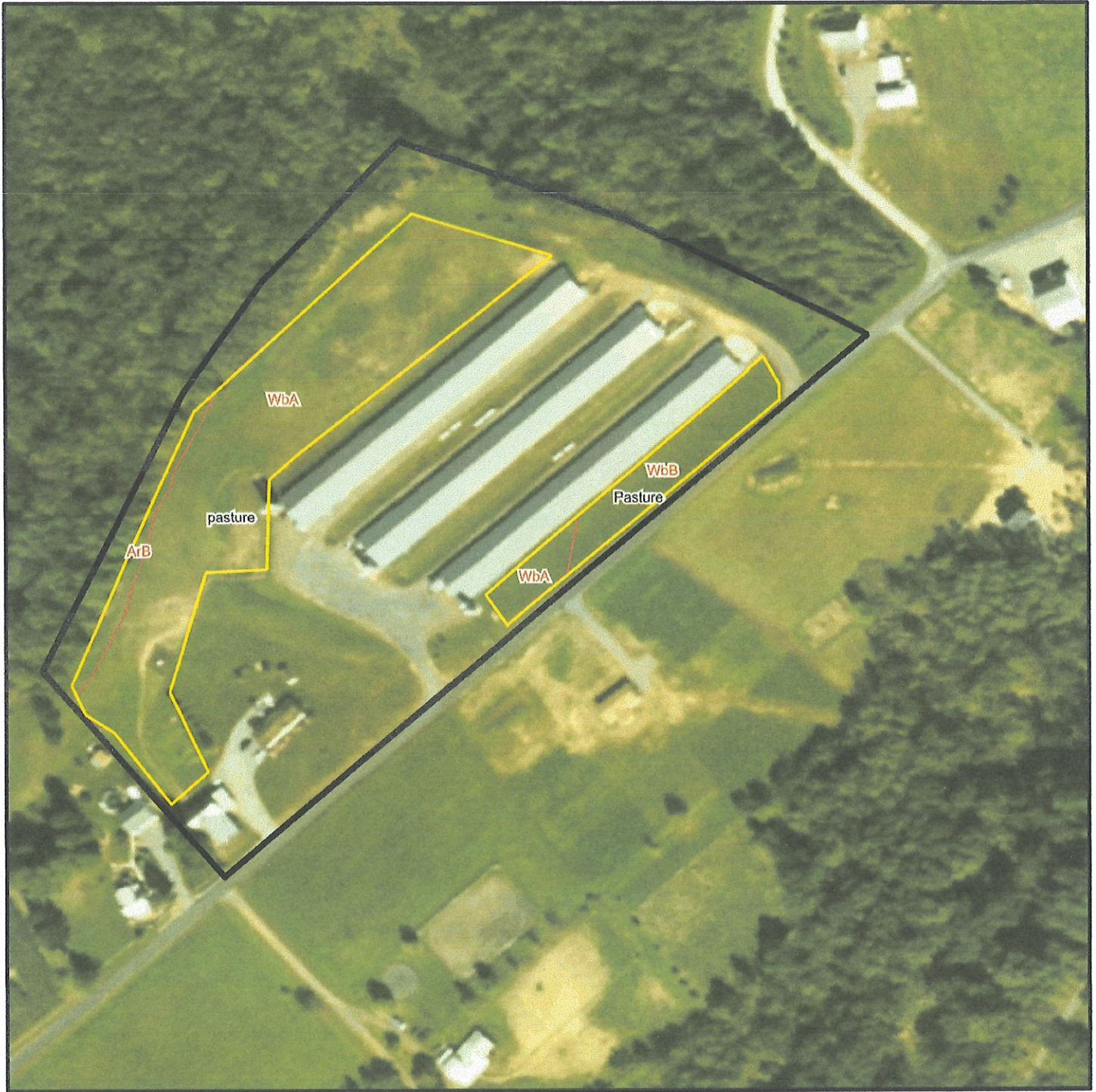
\* 198.0 feet per inch  
 0 99 198 297 396 feet

## Legend

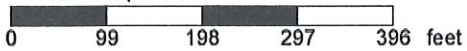
- |               |               |                     |      |
|---------------|---------------|---------------------|------|
| field / CMU   | water         | manure stacking     | AHUA |
| farm boundary | stream        | vegetative buffer   | well |
| homestead     | sinkhole area | 100' manure setback | road |
| forest        | sinkhole      | 150' manure setback |      |



# Orlin Martin Operation



\* 198.0 feet per Inch



## Soil Acreages By Field

| Field   | Label   | Musym | Muname                                  | Comp   | %  | Acres | Drainage Class          | Farmland Class                   | Tfact | Kfact |
|---------|---------|-------|---|--------|----|-------|-------------------------|----------------------------------|-------|-------|
| pasture | pasture | ArB   | Alvira silt loam, 3 to 8 percent slopes | Alvira | 82 | 0.18  | Somewhat poorly drained | Farmland of statewide importance | 3     | 0.32  |
| pasture | pasture | WbA   | Watson silt loam, 0 to 3 percent slopes | Watson | 80 | 3.02  | Moderately well drained | All areas are prime farmland     | 3     | 0.37  |
| Pasture | Pasture | WbB   | Watson silt loam, 3 to 8 percent slopes | Watson | 80 | 0.47  | Moderately well drained | All areas are prime farmland     | 3     | 0.37  |

## Soil Acreages For Farm

| Musym | Muname                                  | Comp   | %  | Acres | Drainage Class          | Farmland Class                   | Tfact | Kfact |
|-------|---|--------|----|-------|-------------------------|----------------------------------|-------|-------|
| ArB   | Alvira silt loam, 3 to 8 percent slopes | Alvira | 82 | 0.18  | Somewhat poorly drained | Farmland of statewide importance | 3     | 0.32  |
| WbA   | Watson silt loam, 0 to 3 percent slopes | Watson | 80 | 3.02  | Moderately well drained | All areas are prime farmland     | 3     | 0.37  |
| WbB   | Watson silt loam, 3 to 8 percent slopes | Watson | 80 | 0.47  | Moderately well drained | All areas are prime farmland     | 3     | 0.37  |

## **Appendix 10**

# **Supporting Information & Documentation**

Crop Years 2023

---

Includes if applicable the Rainfall Additions Worksheet, Winter Application Matrix, Residual N Calculation Worksheet and other supplemental worksheets included in the NMP Spreadsheet. Attach information and documentation necessary to support plan content not included elsewhere in the NMP Spreadsheet or appendices. Examples include, but are not limited to, documentation of animal weights if Agronomy Facts 54 is not used, bedding calculations, or calculations for irrigation rates.

| Manure Analysis 5 Year Running Average                                 |                       |                       |             |             |             |             |
|--|-----------------------|-----------------------|-------------|-------------|-------------|-------------|
| Manure Average for Crop Years, 2023                                    | Broilers              |                       |             |             |             |             |
|  | Average               | 1 year ago            | 2 years ago | 3 years ago | 4 years ago | 5 years ago |
| Manure Report Date   | Aug 26 2021           | Aug 26 2021           | Aug 17 2018 | Aug 24 2017 |             |             |
| Laboratory Name  | Spectrum Analytic Inc | Spectrum Analytic Inc | Penn State  | Penn State  |             |             |
| Manure Type  | Poultry               | Poultry               | Poultry     | Poultry     |             |             |
| Manure Unit (lbs/ton or 1000 gal)                                      | lb/ton                | lb/ton                | lb/ton      | lb/ton      |             |             |
| Total Nitrogen (N) (lbs/ton or 1000 gal)                               | 40.67                 | 43.20                 | 27.94       | 50.86       |             |             |
| Ammonium N (NH <sub>4</sub> -N) (lbs/ton or 1000 gal)                  | 9.37                  | 5.80                  | 10.32       | 11.99       |             |             |
| Total Organic N (lbs/ton or 1000 gal)                                  | 31.30                 | 37.40                 | 17.62       | 38.87       |             |             |
| Total Phosphate (P <sub>2</sub> O <sub>5</sub> ) (lbs/ton or 1000 gal) | 28.90                 | 31.30                 | 24.26       | 31.15       |             |             |
| Total Potash (K <sub>2</sub> O) (lbs/ton or 1000 gal)                  | 30.39                 | 28.60                 | 26.37       | 36.21       |             |             |
| Percent Solids   | 54.30                 | 58.90                 | 40.70       | 63.30       |             |             |
| PSC Value (Enter analytical or book value)                             | 1.00                  | 1.00                  | 1.00        | 1.00        |             |             |

| Manure Average for Crop Years, 2023                                    | Horses     |            |             |             |             |             |
|--|------------|------------|-------------|-------------|-------------|-------------|
|  | Average    | 1 year ago | 2 years ago | 3 years ago | 4 years ago | 5 years ago |
| Manure Report Date   | Book Value | Book Value |             |             |             |             |
| Laboratory Name  | Penn State | Penn State |             |             |             |             |
| Manure Type  | Other      | Other      |             |             |             |             |
| Manure Unit (lbs/ton or 1000 gal)                                      | lb/ton     | lb/ton     |             |             |             |             |
| Total Nitrogen (N) (lbs/ton or 1000 gal)                               | 12.00      | 12.00      |             |             |             |             |
| Ammonium N (NH <sub>4</sub> -N) (lbs/ton or 1000 gal)                  |            |            |             |             |             |             |
| Total Organic N (lbs/ton or 1000 gal)                                  | 12.00      | 12.00      |             |             |             |             |
| Total Phosphate (P <sub>2</sub> O <sub>5</sub> ) (lbs/ton or 1000 gal) | 5.00       | 5.00       |             |             |             |             |
| Total Potash (K <sub>2</sub> O) (lbs/ton or 1000 gal)                  | 9.00       | 9.00       |             |             |             |             |
| Percent Solids   | 20.00      | 20.00      |             |             |             |             |
| PSC Value (Enter analytical or book value)                             | 0.80       | 0.80       |             |             |             |             |



**COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION**

DATE: January 7, 2022

TO: State Conservation Commission Members

FROM: Frank X. Schneider, Director  
Nutrient and Odor Management Programs

Michael Brubaker, SCC Regional Coordinator  
State Conservation Commission

THROUGH: Karl G. Brown, Executive Secretary  
State Conservation Commission

RE: Alternative Best Management Practice, Northwestern Stable,  
Philadelphia County

Background:

Northwestern Stables, Jean Bochnowski - Executive Director, has contacted the State Conservation Commission about the possibility of using an alternative Best Management Practice (BMP) for managing manure stacking pad runoff.

Northwestern Stables is an equine operation located in Fairmont Park, within the city of Philadelphia. Northwestern Stables has an approved CY 2020 – 2022 Nutrient Management Plan (NMP). During 2019 & 2020, Northwestern Stables completed an Natural Resources Conservation Service (NRCS) Environmental Quality Incentives Program (EQIP) contract, installing:

- Heavy Use Area Protections.
- Structures for Water Control.
- Underground Outlets.
- Roof Runoff Structures.
- Vegetated Treatment Area.

Northwestern Stable's manure stacking structure was in existence prior to NRCS's involvement, and no improvements concerning the structure were included as part of the NRCS project. Although the approved NMP called for a Vegetated Treatment Area to treat this concern, there is not enough distance between the manure stacking structure and the stream to install a traditional Vegetated Treatment Area.

Discussion:

83.311(b)(3) states *“The BMPs shall be selected, designed, constructed and maintained to meet the requirements of this subchapter. When this subchapter does not specifically address an inadequate manure management practice, the BMPs contained in the Pennsylvania Technical Guide may be used to comply with this section. Other BMPs shall be approved by the Commission.”*

During Northwestern Stables’ first annual Nutrient Management status review Commission staff encouraged them to pursue additional ways to improve upon the way the stormwater & nutrient runoff from the manure stacking structure is managed and runoff “juicing” is controlled. Northwestern Stables was very open to considering ways to improve this area of their operation. Northwestern Stables have been working with NRCS and Commission staff to identify a Best Management Practice (BMP) that could be installed and meet the Pennsylvania Technical Guide. Unfortunately, no existing BMP could be identified due to feasibility of existing “traditional” BMPs. The area between the existing concrete manure stacking pad and the Wissahickon Creek is situated in an area that leaves very little room to install “traditional” BMPs.

Furthermore:

- Roofing the manure stacking pad is not favorable, not necessarily because of the cost, but because their manure hauler uses a grappling hook to load the manure, so any roof would restrict the hauler’s ability to use his equipment.
- Tarping the manure pile on the manure stack pad is unfeasible as manure is added to the pile daily from the second story of the barn.
- Runoff from the manure stacking pad cannot be collected, pumped, and stored or applied as there is nowhere to go with the collected runoff.

Note that the manure is typically dry horse manure with heavy bedding.

Northwestern Stables hired Meliora, an engineering firm, and Viridian Landscape Studio to develop an option for alternative BMPs. It was identified that Northwestern Stables could create a small, depressed planting area that would function as a small bioretention/rain garden area to capture and treat runoff from the stacking pad. The proposed alternative BMP would include a depression of 20 feet wide, 20 feet long, and approximately 1.5 inches deep and have the capacity to capture all runoff from the manure stacking area up to a 1.5-inch storm, meeting the Philadelphia Stormwater Quality requirements for new development (which do not apply to this project).

SCC staff has conferred with NRCS on options and the proposal presented by Northwestern Stables. NRCS felt that the proposed bioretention area would be a benefit to install, especially if some solids are separated (possibly through a screen of some kind).

Action:

Commission staff is recommending that the State Conservation Commission approve the alternate BMP as proposed under 83.311(b)(3). This recommendation is based on two key factors:

1. The large amount of bedding used.



2. The fact that NRCS could not identify a solution that fit the criteria of the Pennsylvania Technical Guide, thus Northwestern stables employing the service of a private engineer.

Attachments:

1. Photographs
2. NW Stables Manure Run Off memo 2021\_7\_22 with planting plan

## MEMORANDUM

**Date:** July 22, 2021

**To:** Tavis Dockwiller      Northwestern Stables

**From:** Michele Adams, PE, LEED AP; Michael Busch      Meliora

**RE:** Water Quality Management of Runoff from Manure Management Area at Northwestern Stables (NW)

Goal: Install a Water Quality stormwater best management practice to capture and improve the water quality from the runoff generated by the manure management pad.

### Potential Management System and Area

Various Ag BMPs, including installations that Stroud Water Research Center is researching, focus on shallow contour depressions to capture runoff into planted areas that infiltrate, evapotranspire, or slow-release the runoff into vegetated areas/riparian buffers. Research by Dr. Bill Hunt at NC State has supported that small bioretention areas can become anaerobic if the water is detained between storms. When that water is flushed out by the next storm event, the water then becomes aerobic and denitrification occurs. A similar process happens in wetland wastewater treatment cells.

At the site visit, it was discussed that NW could create a small, depressed planting area that would function as a small bioretention/rain garden area to capture and treat runoff from the manure management area. A depression that is 20 feet wide, 20 feet long, and approximately 1.5 inches deep would have the capacity to capture all runoff from the manure area up to a 1.5-inch storm, meeting the Philadelphia Stormwater Quality requirements for new development (which do not apply to this project). The bioretention/rain garden should be located, graded, and planted in a manner that can be maintained by NW and not interfere with operations or be damaged by vehicles and pedestrians.

The Philadelphia Stormwater regulations for Water Quality (for new development) require the capture of the first 1.5 inches of rainfall from impervious surfaces. Most storms will be much less than 1.5 inches, and it is also expected that the manure will absorb initial rainfall before any runoff occurs. The proposed design will capture over 90% of the runoff from the manure management area. Following the Philadelphia stormwater regulations to capture the runoff from the manure management area, the required storage volume is approximately 360 gallons, to be captured in a 20 foot by 20 foot bioretention area approximately two inches deep.

Project Area: Based on field measurements, the manure area is approximately:

22 feet x 17.5 feet = 385 square feet

### Proposed Stormwater Management Volume

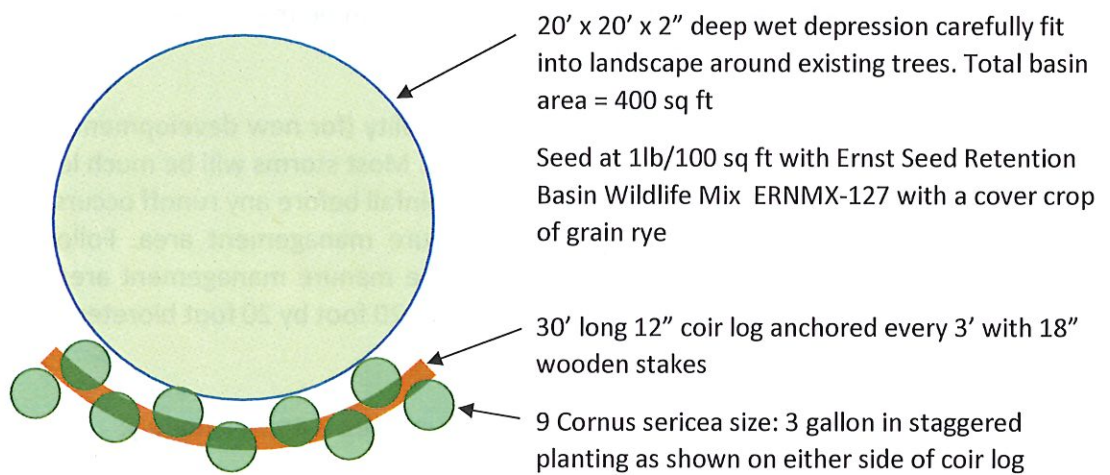
385 square feet manure pad x 1.5 inches rainfall x 1/12 = 48 cubic feet or 360 gallons of runoff

48 cubic feet runoff / 400 square feet bioretention area = 0.12 feet = 1.44 inches depth

Grade 20' x 20' bioretention area to approximately 2-inch depth as a safety factor.

Northwestern Stables Manure Run-off Management

23 July 2001



Planting Plan enlargement











COMMONWEALTH OF PENNSYLVANIA  
**STATE CONSERVATION COMMISSION**

**DATE:** January 6, 2022

**ITEM:**

**TO:** Members  
State Conservation Commission

**FROM:** Karl J. Dymond, OM Program Coordinator  
State Conservation Commission

Handwritten signature of Karl J. Dymond.

**THROUGH:** Karl G. Brown, Executive Secretary  
State Conservation Commission

**SUBJECT:** Odor Management Plan Amendment "A" Review  
Amos & Jillian Zimmerman, Schuylkill County

**Action Requested**

Action to approve is requested on the Amos & Jillian Zimmerman odor management plan Amendment "A".

**Background**

This farm is located at 43 Molino Road, Orwigsburg, PA 17961; West Brunswick Township, Schuylkill County.

I have completed the required review of the subject odor management plan (OMP) Amendment "A" (plan amendment) listed above. Final corrections to the plan amendment were received by the State Conservation Commission on January 6, 2022. The plan amendment is considered to be in its final form for consideration of action.

The operation described in this plan is considered the following designations:

- A Concentrated Animal Operation (CAO) under the PA Nutrient and Odor Management Act
- A Voluntary Agricultural Operation (VAO) under the PA Nutrient and Odor Management Act
- A Concentrated Animal Feeding Operation (CAFO) under the Department of Environmental Protection Chapter 92 National Pollution Discharge Elimination System permitting, monitoring and compliance program

A brief description of the operation, concluding with the staff recommendation, is attached. Also attached is a copy of the complete odor management plan for the operation.

### **Farm Description**

The Amos & Jillian Zimmerman agricultural operation is a proposed pullet operation. Special agricultural land-use designations for this operation include the following:

- Agricultural Security Area.
- Agricultural Zoning.
- Preserved Farm status under Pennsylvania’s Farmland Preservation Program.
- This operation does not meet any special agricultural land-use designations.

Distance to Nearest Property Line – The distance to the nearest property line is proposed to be 418 feet for the animal housing facility; no manure storage facility is proposed.

- A property line setback waiver is not required to meet the Nutrient Management Program regulations.

Other Livestock Operations – There are not any Other Livestock Operations ( $\geq 8$  AEUs) within the Evaluation Distance Area of this plan.

Surrounding Land Use – The surrounding land use for this area is rural, including the predominant terrain features of rolling hills of open farm land and large forested areas, with homes along the road frontage. A small trailer park is in the eastern and southern 600’ – 1200’ quadrants; it is the majority of the OSI points, causing this plan to be a required Level II Odor BMP plan.

### **Assessment**

#### Amendment Changes:

The original OMP for this site was approved on March 9, 2021. The approved, but not constructed, facilities include: 2 Duck Barns and 2 Manure Storage Facilities. This type of operation is no longer proposed.

This Amendment “A” is for 2 Pullet Barns.

#### Animal Housing Facilities:

*Existing Facilities* – This site does not include any existing animal housing facilities.

*Currently Regulated Facilities* – The regulated facilities from the March 9, 2021, approved plan were not constructed and are no longer planned to be constructed.

- This plan amendment does not include any regulated animal housing facilities for this site.

*Proposed Regulated Facilities* – This plan amendment proposes the expansion of the operation with 60,000 Pullets (75.95 AEUs) in the following animal housing facilities:

- Pullet Barn #1 – 63’ x 400’ – 30,000-pullet capacity.
- Pullet Barn #2 – 63’ x 400’ – 30,000-pullet capacity.



Manure Storage Facilities:

*Existing Facilities* – This plan amendment does not include any existing manure storage facilities on the site.

*Currently Regulated Facilities* – The regulated facilities from the March 9, 2021, approved plan were not constructed and are no longer planned to be constructed.

- This plan amendment does not include any regulated manure storage facilities for this site.

*Proposed Regulated Facilities* – This plan amendment does not include a proposed expansion of the manure storage facilities for this site.

Odor Site Index

On December 13, 2021, I performed a site assessment of the surrounding houses and businesses in the ‘Evaluation Distance Area’ to confirm the buildings identified on the plan map. Since the March 9, 2021 approved OMP included a pre-plan submission on-site meeting with the operator, the plan writer and Dr. Mikesell, PSU OM Program Technical Advisor, and I, for reviewing the site conditions, proposed Level II Odor BMPs, and management characteristics of the operator, and since the Vegetative Buffer for Filtering was still included in the amendment, I did not need to conduct a new on-site meeting.

Special Site Conditions: The following special site condition exist for this site and was considered in the assessment and completion of the Odor Site Index for the plan: the significant amount of existing shielding (dense vegetation and topography) in the outer southern and northern quadrants.

The confirmed Odor Site Index value for the proposed pullet barns indicates a high potential for impacts with a score of 128.9. Due to the high potential for impacts, the appropriate Level I Odor BMPs are required and are properly identified in the plan. The proposed plan provides adequate detail and direction for facilitating the operator’s Implementation and Operation & Maintenance of these required Level I Odor BMPs, as well as the necessary documentation needed to demonstrate compliance with the plan and regulations.

Also due to the high potential for impacts, one or more specialized Level II Odor BMPs are required, in addition to the Level I Odor BMPs. This plan includes the following required Level II Odor BMPs:

- Vegetative Buffer for Filtering – Includes 3 rows of plant material.
- Earthen Windbreak Wall – Implemented along the northeastern end of the northernmost barn, Pullet Barn #2.

**Recommendation**

**Based on staff reviews, the OMP Amendment “A” for the Amos & Jillian Zimmerman operation meets the planning and implementation criteria established under the PA Nutrient & Odor Management Act and Facility Odor Management Regulations. I therefore recommend the plan for State Conservation Commission approval.**

The Commission acted to        approve / disapprove        this odor management plan submission at  
the public meeting held on \_\_\_\_\_.

\_\_\_\_\_  
Karl G. Brown, Executive Secretary

\_\_\_\_\_  
Date

# Odor Management Plan Amendment A

*Prepared For:*

**Amos & Jillian Zimmerman**  
43 Molino Road  
Orwigsburg, PA 17961  
717-821-0440

County/ Municipality: Schuylkill Co / West Brunswick Twp.

*Prepared By:*

**Jedd Moncavage, CPSS**  
**OM Certification # 13OMC**  
TeamAg Incorporated  
120 Lake Street  
Ephrata, PA 17522  
717-721-6795  
jeddm@teamaginc.com



|  |                         |
|--|-------------------------|
| For Official Use Only                                      |                         |
| <b>Date of Plan Submission:</b>                            | <u>December 9, 2021</u> |
| <b>Date of Plan Approval:</b>                              | _____                   |
| <b>Date(s) of Plan Updates (not requiring SCC action):</b> | _____                   |

# Table of Contents

---

## Amos & Jillian Zimmerman Odor Management Plan

|   |    |
|---|----|
| Planner and Operator Commitments & Responsibilities .....                         | 4  |
| Plan Development Requirements.....  | 4  |
| Planner Signature & Agreement .....   | 4  |
| <i>OMP Amendment Name: Amos &amp; Jillian Zimmerman OMP Amendment A</i> .....     | 5  |
| Operator Requirements .....   | 5  |
| Odor Management Plan Signature Requirements.....                                  | 5  |
| Operator Signature & Agreement .....  | 5  |
| Plan Summary.....   | 6  |
| A. Operation Summary (see Appendix 1 to view complete Operation Information)..... | 6  |
| Proposed Facilities:.....   | 6  |
| Currently Regulated Facilities: .....   | 6  |
| B. Odor Site Index Summary (see Appendix 3 to view complete Index).....           | 7  |
| C. Odor BMP Implementation, Operation & Maintenance Schedule .....                | 7  |
| Level I Odor BMPs Principles.....   | 7  |
| Level I Odor BMPs to be Implemented.....  | 7  |
| Level II Odor BMPs to be Implemented: .....                                       | 9  |
| D. Documentation Requirements.....  | 12 |
| Level I Odor BMP Documentation Requirements.....                                  | 12 |
| Level II Odor BMP Documentation Requirements .....                                | 13 |
| Odor BMP Implementation Commitment Statement .....                                | 14 |
| OMP Amendment Name: Amos & Jillian Zimmerman Odor Management Plan .....           | 14 |
| Level I Odor BMPs Principles.....   | 14 |
| Odor Management Plan Requirements .....   | 14 |
| Level I Odor BMPs – Maintenance Log YEAR .....                                    | 15 |
| Level II Odor BMPs – Quarterly Observation Log YEAR.....                          | 16 |
| LEVEL II ODOR BMP NAME: Vegetative Buffer.....                                    | 16 |
| Level II Odor BMPs – Quarterly Observation Log YEAR.....                          | 17 |
| LEVEL II ODOR BMP NAME: Windbreak Wall.....                                       | 17 |
| Appendix 1: Operation Information.....  | 18 |
| Part A: Odor Source Factors.....  | 18 |
| Existing Facilities Description:.....   | 18 |
| Currently Regulated Facilities: .....   | 19 |
| Proposed Regulated Facility(ies) Description: .....                               | 20 |

Part B: Site Land Use Factors..... 22

Part C: Surrounding Area Land Use Factors ..... 22

Appendix 2: Operational Maps..... 23

    Topographic Map..... 23

    Site Map..... 23

Appendix 3: Plan Evaluation – OSI..... 24

Appendix 4: Biosecurity ..... 25

    Biosecurity Protocol Contact Information..... 25

Appendix 5: Supporting Documentation ..... 26

## Planner and Operator Commitments & Responsibilities

### Plan Development Requirements

This odor management plan (OMP) has been developed to meet the requirements of Pennsylvania's Nutrient and Odor Management Act, Act 38 of 2005 (Act 38), for the State Conservation Commission's (Commission) Odor Management Program for the following farm type(s): **NOTE: Select all check-boxes that apply.**

- Pennsylvania Act 38 Concentrated Animal Operation (CAO)
- Pennsylvania CAFO (Concentrated Animal Feeding Operation (CAFO) program
- Odor Management Program Volunteer Animal Operation (VAO)

### Planner Signature & Agreement


The planner's signature below certifies that this plan was developed in conjunction with, and reviewed by the operator, prior to submitting it for review. The plan cannot be submitted until the operator understands and agrees with all the provisions of the plan. If the reviewer finds that the planner has not reviewed at least the Plan Summary with the farmer, then the plan reviewer is to relay that information to the certification program staff for their consideration.

The planner's signature and below date(s) certifies that a site visit(s) was conducted **by an Act 38 Certified Odor Management Specialist** to verify the criteria within the evaluation distance area at the time of developing the plan, specifically for the odor source(s), for locating houses, churches, businesses and public use facilities within the evaluation distance, as well as for the site land use and the surrounding land use factors.

The information contained in this plan is accurate to the best of my knowledge. This plan has been developed in accordance with the criteria established for the Act 38 Odor Management Program indicated above. I affirm the foregoing to be true and correct, and make these statements subject to the penalties of 18 Pa. C.S. § 4904, relating to unsworn falsification to authorities.

Planner Name: Jedd Moncavage

Certification number: 13OMC

Signature of Planner: 

Date: 1/3/2022

Date(s) Evaluation Distance Area Site Visit Conducted: 8/18/2020 & 12/28/2021

**OMP Amendment Name: Amos & Jillian Zimmerman OMP Amendment A**

**Operator Requirements**

**Plan Implementation & Documentation:** Odor Management Plans developed under Act 38 are required to be implemented as approved in order to maintain compliance. Implementation includes: adherence to installation of listed Odor Best Management Practices (Odor BMPs) within implementation schedule timeframes and conditions; maintenance of the Odor BMPs consistent with the operation and maintenance schedule timeframes; conditions contained in this plan; and record keeping obligations of the program. Agricultural operations are also required to keep and maintain accurate records of the Odor BMPs consistent with the schedules and are required to allow the Commission access to those records in order to determine the compliance status.

**Post Construction Inspection:** Prior to utilizing a new or expanded animal housing facility or manure storage facility addressed in this plan, the operation must receive written approval from the Commission confirming implementation of the plan. **In order to obtain this written approval the operator, upon completion of construction activities, must inform the Commission in writing via certified mail of their desire to begin using the new or expanded regulated facilities.** At that time the Commission will send out a representative to assess and verify the implementation of the approved Odor Management Plan.

**Compliance Inspections:** Plans developed under this program also require agricultural operations to allow periodic access by the Commission for status review and complaint inspections, in order to determine the status of the operation's compliance and whether a plan amendment is required. Inspections will be scheduled at least annually. Agricultural operations will provide the operation's biosecurity contact and protocols to the Commission.

**Odor Management Plan Signature Requirements**

In accordance with §83.741(i), plans shall be signed by the *Operator/ Authorized Representative* of the agricultural operation indicating concurrence with the information in the plan and acceptance of responsibilities under the plan. The following signature requirements apply:

- (i) For sole proprietorships, the proprietor.
- (ii) For partnerships, a general partner.
- (iii) For corporations, a vice president or president. For any other authorized representative, the plan must contain an attachment, executed by the secretary of the corporation, which states that the person signing on behalf of the corporation is authorized to do so.

*NOTE: When using a business name for the plan, the business name must be registered with the Pennsylvania Department of State.*

**Operator Signature & Agreement**

In accordance with §§83.751 (content of plans) and 83.762 (operator commitment statement), the *Signature of Operator/ Authorized Representative* below certifies that I was involved with the development of this plan, that the plan writer reviewed the plan with me, and that I am agreeable to the provisions outlined in this plan. All the information I provided in this odor management plan is accurate to the best of my knowledge and I will implement the practices and procedures outlined in the odor management plan in order to manage the potential for impacts from the offsite migration of odors associated with the operation for which this OMP is written.

Indicate business entity type: Sole Proprietor  Partnership/ LP/ LLP  Corporation/ LLC

Signature of Operator/ Authorized Representative:

Amos Zimmerman Date: 1-5-22

Print Name of Operator/ Authorized Representative:

Amos Zimmerman

Title of Operator/ Authorized Representative:

Partner

Business Legal Name of the Operation:

\_\_\_\_\_

## Plan Summary

Clearly detail why an amendment to the approved plan is required.

This amendment is needed due to a change in animal type from ducks to pullets. This change will also affect the methods of manure handling and storage. The barn dimensions from the previously approved plan will remain the same, however no construction has occurred at the time of this plan’s development. The manure storage structures from the previous plan will not be constructed.

### A. Operation Summary (see Appendix 1 to view complete Operation Information)

#### Proposed Facilities:

*Detail the Animal Type associated with the Proposed Facilities and consistent with the Animal Type detailed in the OSI. If animal numbers (AEUs) from existing facilities are voluntarily being added to the plan, detail the AEUs number; otherwise state “None”, “Zero (0)” or “Not Applicable”.*

**NOTE:** *AEU calculations and AEUs per acre calculation must reflect those in the most current Act 38 NMP, otherwise explain the difference and submit the calculations in Appendix 5: Supporting Documentation.*

|   |                         |
|---|-------------------------|
| Proposed OSI Animal Type:   | Pullets / Steers        |
| Proposed Animal Numbers:  | 60,000 / 3              |
| Proposed AEUs (per animal type):  | 75.95 + 2.85            |
| Voluntary Existing Animal Type:   | None                    |
| Voluntary Existing AEUs (per animal type):  | 0                       |
| Regulated AEUs under Previous Plan(s):<br><i>(Associated with Currently Regulated Facilities below)</i> | 112.45 (see appendix 5) |
| <b>Total AEUs Covered by this Plan:</b>   | 78.80                   |
| <br>AEUs per acre for the operation:  | <br>71.64               |

Is there an approved Act 38 NMP for this operation?  Yes  No

**NOTE:** *If No, explain in Appendix 5: Supporting Documentation.*

#### Currently Regulated Facilities:

*Detail in the tables below, each regulated animal housing facility and/or manure storage facility that was previously approved and is already constructed. Detail the Dates and AEUs separately (copy & paste) for each previously approved plan or amendment.*

Plan Approval Date: 3/9/2021    Currently Regulated AEUs: 112.45

| Animal Housing Facility <input checked="" type="checkbox"/> None | Dimensions | Livestock Capacity |
|--|------------|--------------------|
| Structures included in previous plan were not constructed.       |            |                    |

| Manure Storage Facility <input checked="" type="checkbox"/> None | Dimensions | Usable Capacity |
|--|------------|-----------------|
| Structures included in previous plan were not constructed.       |            |                 |



## **B. Odor Site Index Summary** (see Appendix 3 to view complete Index)

*NOTE: If multiple Geographic Centers are used, you must provide scores for each geographic center. Scores listed here must match the final scores in the OSI.*

Score: 128.95

## **C. Odor BMP Implementation, Operation & Maintenance Schedule**

*NOTE: All Required Odor BMPs from previous approved plans or plan amendments, which are still applicable to its associated regulated facility, must be identified below in addition to any proposed Odor BMPs associated with this plan amendment. If specific Odor BMPs that were previously approved no longer apply to this site specific scenario, contact Odor Management program staff to identify and discuss this operational change prior to submitting the plan amendment.*

### **Level I Odor BMPs Principles**

1. Steps taken to reduce dust and feed accumulation in pens, aisles, and on animals.
2. Manage ventilation to provide sufficient fresh airflow throughout the facility to keep animals and facility surfaces clean and dry.
3. Manage manure to minimize damp, exposed manure that contributes to odor generation.
4. Remove mortalities daily and manage appropriately.
5. Manage feed nutrients to animal nutrient requirements in order to avoid excess nutrient excretion.
6. Manage manure storage facility to reduce exposed surface area and off-site odor transfer.

#### *Definitions:*

- **Required Odor BMPs** – In accordance with §§83.771, 83.781-83.783, Required Odor BMPs are the Odor BMPs required for implementation when there is a neighboring facility or a public use facility in the evaluation distance area, or when the OSI score is 50 or more points (Level I Odor BMPs), and when the OSI score is 100 or more points (Level II Odor BMPs).
- **Voluntary Odor BMPs** – The operator has voluntarily chosen to include Odor BMPs in the plan. Voluntary Odor BMPs must meet the same program standards that Required Odor BMPs do for implementation, operation, maintenance, and documentation.
- **Supplemental Odor BMPs** – In accordance with §83.781(e), Supplemental Odor BMPs are implemented in addition to the approved Odor BMPs in the plan and are also associated with plan updates.

*NOTE: Odor BMPs must be relevant to the site specific situation and must be maintained for the lifetime of the regulated facility unless otherwise approved.*

### **Level I Odor BMPs to be Implemented**

*Select each check-box that applies; if more than one category applies, clearly detail the respective Level I Odor BMPs criteria with each respective category. Detail below all Level I Odor BMPs Principles, adapted from the PA Odor BMP Reference List, that are applicable to the site specific factors of this animal operation and the regulated facilities.*

- None Required**
- Voluntary Level I Odor BMP:**
- Required Level I Odor BMP:**
- Supplemental Level I Odor BMP:**

## **Animal Housing Facilities Related Odor BMPs**

### **1. Steps taken to reduce dust and feed accumulation in pens, aisles, and on animals.**

- *Feed Cleanup* – Spilled feed will be removed promptly.
- *Dust Control of Ventilation Components* – Fan motors, blades, and shrouds will be cleaned between each flock (approximately every 54 weeks)
- *Feed Wastage* – Feeding equipment will be adjusted to ensure the appropriate flow rate of feed into the feeder. Feeder height will be checked daily and raised as needed to match the height of the birds. Feed hoppers and augers will be monitored daily for malfunction. Feed spills will be removed after any necessary repairs are performed.
- *Cleaning and Sanitation* – Buildings will be dry cleaned between each flock

### **2. Ventilation is managed to provide sufficient fresh airflow throughout the facility to keep animals and facility surfaces clean and dry.**

- *Ventilation Components* – Ventilation system components including fan motors, blades, and shrouds will be checked daily for functionality and repaired as needed.
- *Mechanical Ventilation* – The ventilation system will be designed to provide appropriate ventilation during the winter months. As ambient temperature increases, ventilation rate will automatically increase via staged ventilation. Inlet openings will be automatically controlled by a static pressure monitor or by temperature, which will also be integrated into the computer controls.
  - Fans shall be cleaned and inspected between each flock
  - Inlet openings shall be adjusted daily to provide adequate air distribution
  - Static pressure monitors will be calibrated annually
  - Curtains will be controlled as needed
  - Curtains, cables, winches, and other components of the ventilation system shall be inspected annually

### **3. Manure will be managed to minimize damp, exposed manure that contributes to odor generation.**

- *Moisture Control* – Water delivery system and drinkers will be checked daily for leaks. Repairs will be performed as needed. Drinkers will be checked for leakage and adjusted for height as needed.
- *Litter Maintenance* – Litter will be completely cleaned out between flocks and fresh shaving will be placed back in the barns.

### **4. Mortalities will be removed daily and managed appropriately.**

- *Composting* – mortalities shall be removed daily and placed in a roofed composting structure. As the composting process is completed the finished compost shall be exported in accordance with the nutrient management plan.

### **5. Feed nutrients will be matched to animal nutrient requirements to avoid excess nutrient excretion.**

- Professional nutritionist formulates diets to match animal nutrient requirements.

## **Manure Storage Facilities Related Odor BMPs**

### **6. Manage Manure Storage Facilities to reduce exposed surface area and off-site odor transfer.**

- *Manure Handling Area Cleanliness* - A visual inspection will be completed every time manure is hauled to ensure that any manure scattered during transport activities is cleaned up in a timely manner.

**Level II Odor BMPs to be Implemented:**

Select each check-box that applies; if more than one category applies, clearly detail the respective Level II Odor BMPs criteria with each respective category. Detail below all Level II Odor BMPs criteria addressing the following:

1. the general construction and implementation criteria
2. the corresponding timeframes of when each Odor BMP will be implemented
3. all operation and maintenance procedures for each Odor BMP along with the corresponding timeframes for carrying out those procedures
4. the lifespan of each Odor BMP.

**NOTE:** NRCS Conservation Practice Standards and Job Sheets that are in existence for the Level II Odor BMP are encouraged to be used for construction, implementation, and operation and maintenance criteria.

- None Required
- Voluntary Level II Odor BMP:
- Required Level II Odor BMP:
- Supplemental Level II Odor BMP:

**Vegetative Buffer** – multiple rows of trees and fast-growing vegetation planted near the exhaust stream from livestock facilities. This serves to increase turbulence and mixing with fresh air to help dilute odorous compounds before they travel downwind from the facility, and the foliage on some species has been shown to absorb certain compounds, including ammonia

**A. Implementation** - Plant 3 rows of vegetation around the downwind side of the liquid manure storage

1. Planting Timeframe – the vegetative buffer shall be established immediately after the construction of the barns in the spring/summer of 2022.
2. Plant Materials Information Chart

| Row | Spacing                              | Length of Planting | Species          | Plant Spacing | Number of Plants |
|-----|--------------------------------------|--------------------|------------------|---------------|------------------|
| 1   | 50ft spacing from the manure storage | 226ft              | Giant Miscanthus | 6ft           | 37               |
| 2   | 15ft spacing from Row 1              | 248ft              | Streamco Willow  | 10ft          | 25               |
| 3   | 20ft spacing from Row 2              | 280ft              | Hybrid Poplar    | 16ft          | 18               |

3. Location and Layout – See Facility Layout map
4. Site Preparation & Planting Methods Notes
  - a. Site Prep – Remove debris and control competing vegetation to allow enough spots or sites for planting or planting equipment. Soil tests will be conducted, and soil amendments added, as to recommendations.
  - b. Irrigation System – Installation of a trickle or emitter irrigation system is highly recommended for all plantings. Install and begin supplemental irrigation for a minimum of three years.
  - c. Weed Control Barriers – Artificial weed control barrier cloth can be placed over the planting area, along with natural wood products. Apply mulch to a depth of 3” – 4”, at a minimum of 3’ wide mulch strip, or a 3’ diameter circle of mulch around each plant.
  - d. Planting Methods – For container and bare root stock, plant stock to a depth even with the root collar in holes deep and wide enough to fully extend the roots. Pack the soil firmly around each plant. Cuttings are inserted in moist soil with at least 2 to 3 buds showing above ground.

## **B. Operation and Maintenance**

### 1. Inspections

- a. Year 1 – Inspect Vegetative Buffer components biweekly during the growing season (spring to fall). Identify damaged areas and protect plants from damage so proper function is maintained. Replant during growing season. A higher level of care is required until 3 years after plant establishment.
- b. Years 2 – 4 – Inspect Vegetative Buffer components monthly during the growing season (spring to fall). Identify damaged areas and protect plants from damage so proper function is maintained. Replant during growing season. A higher level of care is required until 3 years after plant establishment.
- c. Years 5 & on – Inspect Vegetative Buffer components at least annually. Protect plants from damage so proper function is maintained. Replant during growing season.

### 2. Maintenance Activities –

- a. Replace Deadstock – Replace dead or dying plants as discovered or if discovered during the non-growing season, replace as soon as conditions permit during the next planting season.
- b. Prune, Fertilize, Protect from Damage – Prune to maintain function, only after plants are established. Apply nutrients based on soil test results. Protect plants from damage so proper function is maintained.
- c. Weed Control – Control competing vegetation either mechanically, chemically, or with a mulch bed to allow proper establishment and growth. Replace woody mulch; reapply mulch to a depth of 3” – 4”.
- d. Irrigation – Provide supplemental irrigation for a minimum of three years post plant-establishment. Ensure irrigation equipment is properly working; replace components as needed

- C. **Odor BMP Lifespan** - The Vegetative Buffer will be implemented for the life of the liquid manure storage facility “Round Tank”, or until the plan is amended to replace this Level II Odor BMP with another.

**Earthen Windbreak Wall** – *Designs have proven effective in reducing both downwind dust particle concentrations and odor concentration. Serves to increase turbulence and mixing with fresh air to help dilute odorous compounds before they travel downwind from the facility.*

Implementation:

- a. Construct earthen bank windbreak wall (at least as high as the top of the ventilation fans) during the excavation of the building site to deflect odors from the regulated barn into the upper air current
- b. Earthen wall embankment will be a 12' high (average) berm placed to deflect exhaust fan emissions. See Site Map for location & layout.
- c. Erosion will be controlled on each wall by installing Jute Netting and seeding the disturbed areas to a hearty grass species.
  - a. Grass species will be selected that is best suited for the soil and growing conditions located around the regulated barn.
  - b. Supplemental watering will (as needed) be implemented.
- d. Earthen bank wall will be constructed before regulated barn is built.

Operation & Maintenance:

- a. Vegetation will be maintained to protect the integrity of the earthen bank to minimize potential soil runoff.
- b. Eroded soil from the earthen bank will be repaired and reseeded
- c. Earthen bank wall will be maintained for the lifetime of the regulated barn.
- d. Monthly inspections will be conducted to verify the integrity and to determine if any maintenance activities are needed.

## **D. Documentation Requirements**

The following information will be documented by the Operator for each Odor BMP to ensure compliance with the plan. Documentation is needed to demonstrate implementation of the plan as well as for corrective actions taken for significant maintenance activities needed to return an Odor BMP back to normal operating parameters.

### **Level I Odor BMP Documentation Requirements**

Select each check-box that applies; if more than one category applies, clearly detail each documentation criterion.

**None Required** – (NOTE: Delete the Odor BMP Implementation Commitment Statement and the Level I Maintenance Log)

**Level I Odor BMPs – Odor BMP Implementation Commitment Statement Only**

The Operator will annually complete the Odor BMP Implementation Commitment Statement.

**Level I Odor BMP Documentation Criteria:**

The Operator will annually complete the 'Odor BMP Implementation Commitment Statement'. The Operator will also complete the Level I Odor BMPs Maintenance Log upon any of the following occurrences:

### **Animal Housing Facilities Related Odor BMPs**

#### **1. Steps taken to reduce dust and feed accumulation in pens, aisles, and on animals.**

- Feed Cleanup – Document any discrepancies with feed cleanup and corrective actions taken.
- Dust Control of Ventilation Components – Document any discrepancies with the cleaning schedules and corrective actions taken. Document any repairs
- Feed Wastage – Document if feed refusal behavior occurs, if adjustments in feed preparation are made, and when any malfunction occur to the feed delivery system and when repairs were completed.
- Cleaning and Sanitation – Document any discrepancies in the cleaning and sanitation schedule and the corrective actions taken.

#### **2. Ventilation is managed to provide sufficient fresh airflow throughout the facility to keep animals and facility surfaces clean and dry.**

- Ventilation Components – Documentation will be made if any malfunction or damage occurs to the ventilation system components and when repairs are completed.
- Mechanical Ventilation – Documentation will be made if a malfunction occurs that does not allow for the proper adjustments to the ventilations system and when repairs are needed to restore functionality.

#### **3. Manure will be managed to minimize damp, exposed manure that contributes to odor generation.**

- Moisture Control – Documentation will be made if a leak occurs in the water delivery system and when any repairs are needed and when the repairs were completed.
- Litter Maintenance – Document any discrepancies in the litter maintenance and cleanout schedule and the corrective action taken.

#### **4. Mortalities will be removed daily and managed appropriately.**

- Composting – Document any discrepancies with the daily transferring of mortalities and the corrective actions taken. Document if a catastrophic mortality event occurs or if another methods of mortality disposal is used.

#### **5. Feed nutrients will be matched to animal nutrient requirements to avoid excess nutrient excretion.**

- Documentation will be made whenever the feed ration is changed.

## **Manure Storage Facilities Related Odor BMPs**

### **6. Manage Manure Storage Facilities to reduce exposed surface area and off-site odor transfer.**

- Manure Storage Area Cleanliness - Document any discrepancies with the manure transport cleanup activities and the corrective actions taken.

## **Level II Odor BMP Documentation Requirements**

*Select each check-box that applies; if more than one category applies, clearly detail each documentation criterion.*

**None Required – (NOTE: Delete the Level II Quarterly Observation Log)**

**Level II Odor BMP Documentation Criteria:**

*The Operator will complete the Level II Odor BMPs Quarterly Observation Log, at least on a quarterly basis, detailing the proper implementation of the Odor BMPs as identified in the Implementation, Operation & Maintenance Schedule. The Operator will also complete the Level II Odor BMPs Quarterly Observation Log upon any of the following occurrences:*

### ***Vegetative Buffer***

- Implementation: Documentation will be made when the initial implementation of the plantings occurs
- Inspections: Document when inspections are performed and actions required for maintenance
- Maintenance: Documentation will be made when replacement of dead or dying vegetation is needed

### ***Windbreak Wall***

- Implementation: Documentation will be made when the initial implementation of the wall occurs
- Inspections: Document when inspections indicate that actions are required for maintenance
- Maintenance: Documentation will be made when repairs are completed

## Odor BMP Implementation Commitment Statement

To be completed and signed annually by operators which have a neighboring facility or a public use facility in the evaluation distance area. This form is an attestation of the operator for the daily implementation of the Odor BMPs, and in accordance with §83.791, it is to be kept on site for at least 3 years.

**(Copy This Page For Future Use)**

**OMP Amendment Name:** Amos & Jillian Zimmerman Odor Management Plan

### Level I Odor BMPs Principles

1. Steps were taken to reduce dust and feed accumulation in pens, aisles, and on animals.
2. Ventilation was managed to provide sufficient fresh airflow throughout the facility to keep animals and facility surfaces clean and dry.
3. Manure was managed to minimize damp, exposed manure that contributes to odor generation.
4. Mortalities were removed daily and managed appropriately.
5. Feed nutrients were matched to animal nutrient requirements to avoid excess nutrient excretion.
6. Manage manure storage to reduce exposed surface area and off-site odor transfer.

### Odor Management Plan Requirements

In accordance with §§83.762 operator commitment statement), 83.771 (managing odors), 83.781 – 83.783 (Odor BMPs and schedules), 83.791 – 83.792 (documentation requirements) and 83.802 (plan implementation), I affirm that all the information I provided in the odor management plan is accurate to the best of my knowledge.

In order to manage the potential for impacts from the offsite migration of odors associated with the operation, I affirm that I have implemented the specific practices and procedures detailed in the odor management plan Odor BMP Implementation, Operation & Maintenance Schedule (principles identified above) from DATE: \_\_\_\_\_ to DATE: \_\_\_\_\_ (CY/ FY, etc.).

I affirm the foregoing to be true and correct, and make these statements subject to the penalties of 18 Pa. C.S. § 4904, relating to unsworn falsification to authorities.

Signature of Operator: \_\_\_\_\_ Date: \_\_\_\_\_

Name of Operator: \_\_\_\_\_

Title of Operator: \_\_\_\_\_



**Level I Odor BMPs – Maintenance Log** YEAR \_\_\_\_\_

*(NOTE: The operator will record occurrences of mechanically related maintenance activities or for any corrective actions taken.)*

**(Copy This Page For Future Use)**

| <i>List ODOR BMPs</i> | <i>DATE</i> | <i>NOTES</i> |
|-----------------------|-------------|--------------|
|                       |             |              |
|                       |             |              |
|                       |             |              |
|                       |             |              |
|                       |             |              |
|                       |             |              |
|                       |             |              |
|                       |             |              |
|                       |             |              |
|                       |             |              |

**Level II Odor BMPs – Quarterly Observation Log**      YEAR \_\_\_\_\_

*(NOTE: The operator will record observations relating to 1) the implementation of each Level II Odor BMP at least on the first day (approximately) of each quarter of the year or in accordance with the Implementation, Operation & Maintenance Schedule, and 2,) for mechanically related maintenance activities, as soon as possible upon the observation that maintenance is needed, or upon each occurrence of any corrective actions taken.)*

**(Copy This Page For Future Use)**

Select Quarter:     1<sup>st</sup> Quarter (January)     2<sup>nd</sup> Quarter (April)     3<sup>rd</sup> Quarter (July)     4<sup>th</sup> Quarter (October)

| <b>LEVEL II ODOR BMP NAME: Vegetative Buffer</b> |             |              |
|--|-------------|--------------|
| <i>List ACTIVITIES</i>                           | <i>DATE</i> | <i>NOTES</i> |
| <i>Implementation</i>                            |             |              |
|  |             |              |
| <i>Inspections</i>                               |             |              |
|  |             |              |
| <i>Maintenance</i>                               |             |              |
|  |             |              |
|  |             |              |
|  |             |              |

**Level II Odor BMPs – Quarterly Observation Log**      YEAR \_\_\_\_\_

*(NOTE: The operator will record observations relating to 1) the implementation of each Level II Odor BMP at least on the first day (approximately) of each quarter of the year or in accordance with the Implementation, Operation & Maintenance Schedule, and 2,) for mechanically related maintenance activities, as soon as possible upon the observation that maintenance is needed, or upon each occurrence of any corrective actions taken.)*

**(Copy This Page For Future Use)**

Select Quarter:     1<sup>st</sup> Quarter (January)     2<sup>nd</sup> Quarter (April)     3<sup>rd</sup> Quarter (July)     4<sup>th</sup> Quarter (October)

| <b>LEVEL II ODOR BMP NAME: Windbreak Wall</b> |             |              |
|---|-------------|--------------|
| <i>List ACTIVITIES</i>                        | <i>DATE</i> | <i>NOTES</i> |
| <i>Implementation</i>                         |             |              |
|   |             |              |
| <i>Inspections</i>                            |             |              |
|   |             |              |
| <i>Maintenance</i>                            |             |              |
|   |             |              |
|   |             |              |
|   |             |              |

## Appendix 1: Operation Information

### Part A: Odor Source Factors

1. **Site Livestock History:** There were no livestock housed on this operation in the past 3 years.  
*Detail the Maximum AEUs of Livestock on this site (which may also include any animals from regulated facilities) within the past 3 years.*

#### Existing Facilities Description:

*NOTE: If the facilities or animal information differ from the most current Nutrient Management Plan, detail the differences in Appendix 5: Supporting Documentation.*

*Definitions:* Existing facilities are those animal housing facilities or manure storage facilities constructed before February 27, 2009, and are not subject to Odor Management program requirements. These are the baseline facilities which were identified in the originally approved OMP.

2. **List the Existing Animal Types:** None      **Existing Animal Numbers:** 0
3. **Existing Animal Equivalent Units (AEUs) per Animal Type:** 0
4. **Existing Animal Housing Facility(ies):**

*Describe all existing animal housing facilities including their dimensions, capacity and existing Odor BMPs used to address potential impacts.*

| Animal Housing Facility | Dimensions | Livestock Capacity | Existing Odor BMPs |
|-------------------------|------------|--------------------|--------------------|
| None                    |            |                    |                    |
|                         |            |                    |                    |

5. **Existing Manure Storage Facility(ies) and Manure Handling Systems:**

- a. *Describe all existing manure storage facilities and manure treatment technology facilities, including their dimensions, capacity and existing Odor BMPs used to address potential impacts.*

| Manure Storage Facility | Dimensions | Usable Capacity | Existing Odor BMPs |
|-------------------------|------------|-----------------|--------------------|
| None                    |            |                 |                    |
|                         |            |                 |                    |

- b. *Provide a narrative description detailing the manure handling systems, including manure storage facilities, manure stacking areas, and manure treatment technology facilities.*

Not applicable

**Currently Regulated Facilities:**

Detail the information below for each constructed regulated facility, clearly indicating what was previously approved in the original plan and then separately (copy & paste) for each approved plan amendment.

Previous Plan Approval Date: 3/9/21 Previous OSI Score: 135.0 Currently Regulated AEU's: 112.45

**6. Currently regulated animal housing facility(ies):**  *None Regulated*

**a.** Population Date(s): NA Detail the dates that each regulated animal housing facility was populated.

**b.** Provide a detailed description of all currently regulated animal housing facilities including their dimensions and livestock capacity.

| Animal Housing Facility                                   | Dimensions | Livestock Capacity |
|---|------------|--------------------|
| Structures included in previous plan were not constructed |            |                    |

**7. Currently regulated manure storage facility(ies):**  *None Regulated*

**a.** Storage Use Date(s): \_\_\_\_\_ Detail the dates that each regulated animal housing facility was utilized.

**b.** Provide a detailed description of all currently regulated manure storage facilities, manure stacking areas and manure treatment technology facilities including their dimensions and storage capacity.

| Manure Storage Facility                                   | Dimensions | Useable Capacity |
|---|------------|------------------|
| Structures included in previous plan were not constructed |            |                  |

**8. Required Odor BMPs for the currently regulated facility(ies):**  Yes/  None Required

Detail in the Plan Summary, C. Odor BMP Implementation, Operation & Maintenance Schedule, all Required Odor BMPs from previous approved plans or plan amendments which are still applicable to its associated regulated facility. If specific Odor BMPs that were previously approved no longer apply to this site specific scenario, contact Odor Management program staff to identify and discuss this operational change prior to submitting the plan amendment.

**a.** Previous Approved Odor BMPs are no longer applicable and are not part of the OMP.  Yes/  No  
 This is only applicable when the Plan Amendment is either 1) changing Odor BMPs and that the new Odor BMPs are detailed in the Plan Summary, or that 2) due to a change from the newest evaluation for the Plan Amendment, the OSI allows for this change in Odor BMP requirement.

**Proposed Regulated Facility(ies) Description:**

Detail the information below, clearly indicating:

- 1) The animals that will be housed in the proposed animal housing facility(ies), which include expansions onto existing facilities;
- 2) The manure type (animal type detailed in the OSI ) that will be stored in the proposed storage facility and identifying the Act 38 Nutrient Management Program requirements that must be followed for the proposed manure storage facility(ies);
- 3) If Voluntary Existing Animal Numbers and AEUs or Transferred Existing AEUS do not apply, state "None", "Zero (0)" or "Not Applicable" for that criterion.

**NOTE:** The Animal Type associated with the Proposed Facilities must be consistent with the Animal Type detailed in the OSI.

**NOTE:** If the proposed facilities, animal information, and AEU calculations differ from the most current Nutrient Management Plan (NMP), detail the differences in Appendix 5: Supporting Documentation.

**Definitions:**

- **Proposed AEUs** are the new additional AEUs associated with the proposed regulated animal housing facility(ies).
- **Voluntary Existing AEUs** are the AEUs associated with the existing animal housing facility(ies).
- **Proposed AEUs and Voluntary Existing AEUs** are used for determining the Odor Site Index evaluation distance area.
- **Transferred Existing AEUs** are existing AEUs on the site that will be transferred into the animal housing facility being evaluated.
- **Total AEUs** are used for determining significant change of the regulated facility(ies); a significant change will require an amendment to the plan. A significant change is defined as a net increase of equal to or greater than 25% in AEUs, as measured from the time of the initial plan approval.

- 9. (a) Proposed Facility OSI Animal Types:**                      Pullets                      Steers
- Proposed Animal Numbers per animal type:** 60,000                      3
- Proposed AEUs per animal type:**                      75.95                      2.85                      =                      78.80
- (b) Voluntary Existing Animal Types:**                      None
- Voluntary Existing Animal Numbers:**                      0
- Voluntary Existing AEUs per animal type:**                      0
- (c) Regulated AEUs under Previous Plan(s) (Associated with Currently Regulated Facilities):** 112.45
- 112.45AEUs were included in the previous plan but the barns were never built or populated
- (d) Total AEUs Covered by this Plan:** 78.80
- (e) Acres for the operation associated with an approved Act 38 NMP or acres utilized for the CAO calculation:** 1.1
- (f) Total AEUs/ Acre for the operation:** 71.64

**NOTE:** The AEUs per acre calculation is only used to verify CAO status. AEUs per acre calculation must reflect the calculations in the most current NMP, otherwise explain the difference and submit the calculations in Appendix 5: Supporting Documentation.

- (g) Transferred Existing Animal Types:**     Check only when Applicable

**NOTE:** Detail the following information in Appendix 5: Supporting Documentation when 0 "Proposed AUEs" are proposed due to transferring existing animals on the site into the animal housing facility being evaluated:

- 1) The OSI Animal Type associated with the Proposed Facilities,
- 2) The numbers of animals transferred, and
- 3) The AEUs. This information will be used for determining a significant change which will require an amendment to the plan.

**10. Proposed new or expanded animal housing facility(ies):**

Detail all proposed animal housing facilities, or portions thereof, including their dimensions and livestock capacity.

**NOTE:** If the proposed facilities differ from the most current NMP, detail the differences in Appendix 5: Supporting Documentation.

| Animal Housing Facility <input type="checkbox"/> None Proposed | Dimensions   | Livestock Capacity |
|--|--------------|--------------------|
| Pullet Barn 1  | 63ft x 400ft | 30,000 pullets     |
| Pullet Barn 2  | 63ft x 400ft | 30,000 pullets     |
|  |              |                    |

**11. Proposed new or expanded manure storage facility(ies):**

**NOTE:** If the proposed facilities differ from the most current NMP, detail the differences in Appendix 5: Supporting Documentation.

- (a) Provide a narrative description detailing all manure handling systems (including all manure storage facilities, manure stacking areas, and manure treatment technology facilities) after the addition of the proposed facilities.

The pullet barns will handle manure as a solid floor litter using wood shavings as bedding. Pullet manure will be completely cleaned out between flocks and exported directly. Fresh shaving will be put in the barn for the next flock.

Steers will be on pasture 100% of the time and all manure will be uncollected.

- (b) Detail all proposed manure storage facilities, manure stacking areas, and manure treatment technology facilities.

**NOTE:** If a waiver is required, it must be attached in Appendix 5: Supporting Documentation for the plan to be administratively complete.

| Manure Storage Facility                           | Dimensions | Usable Capacity |
|---|------------|-----------------|
| <input checked="" type="checkbox"/> None Proposed |            |                 |

**Act 38 NM Program Setback Requirements Verification**

**NOTE:** When manure storage facilities are proposed, N/A cannot be detailed for both c & d

- (c) **Existing Operations**  Not Applicable.

Select all check-boxes that apply for Existing Operations proposing manure storage facilities.

In accordance with planning provisions of the Commission’s Nutrient Management Program regulations, the proposed manure storage(s) is part of an existing operation (operation that produced livestock or poultry on or before October 1, 1997) and will be located having a minimum setback distance of the following:

- i. 100’ minimum setback distance (in accordance with §83.351(a)(2)(v)(A)-(E)) from wetlands, water bodies and wells (public and private).  Yes  Not Applicable
- ii. 100’ minimum setback distance (in accordance with §83.351(a)(2)(v)(F)) a from the property line; otherwise an executed Manure Storage Setback Waiver from the Neighboring Landowner, must be attached.  Yes  Not Applicable
- iii. 200’ minimum setback distance (in accordance with §83.351(a)(2)(v)(G)) from wetlands, water bodies and wells (public and private) for a manure storage facility of 1.5 million gallons or larger capacity or that is located on slopes exceeding 8%.  Yes  Not Applicable
- iv. 200’ minimum setback distance (in accordance with §83.351(a)(2)(v)(H)) from the property line for a manure storage facility of 1.5 million gallons or larger capacity or that is located on slopes exceeding 8% and the slope is toward the property line; otherwise an executed Manure Storage Setback Waiver from the Neighboring Landowner, must be attached.  Yes  Not Applicable

- (d) **New Operations/ New Animal Enterprises**  Not Applicable.

Select all check-boxes that apply for New Operations/ New Animal Enterprises proposing manure storage facilities.

If the proposed manure storage(s) is part of a new operation (operation that produced livestock or poultry after October 1, 1997), or a new animal enterprise (an existing operation that expanded after October 1, 1997, via producing different livestock or poultry than what was previously produced – see NM Tech Manual, Section III) and in accordance with planning provisions of the Commission’s Nutrient Management Program regulations the proposed storage will be located having a minimum setback distance of the following:

- i. 100’ minimum setback distance (in accordance with §83.351(a)(2)(vi)(A)-(E)) f from wetlands, water bodies and wells (public and private).  Yes  Not Applicable
- ii. 200’ minimum setback distance (in accordance with §83.351(a)(2)(v)(F)) from the property line; otherwise an executed Manure Storage Setback Waiver from the Neighboring Landowner, must be attached.  Yes  Not Applicable

- iii. 200' minimum setback distance (in accordance with §83.351(a)(2)(v)(G) from wetlands, water bodies and wells (public and private) for a manure storage facility of 1.5 million gallons or larger capacity or that is located on slopes exceeding 8%.  Yes  Not Applicable
- iv. 300' minimum setback distance (in accordance with §83.351(a)(2)(v)(H)) from the property line for a manure storage facility of 1.5 million gallons or larger capacity or that is located on slopes exceeding 8% and the slope is toward the property line; otherwise an executed Manure Storage Setback Waiver from the Neighboring Landowner, must be attached.  Yes  Not Applicable

**12. Construction activities of the proposed regulated facilities:**

*NOTE: Construction activities must be started within 3 years of the plan approval date.*

- a. Detail the proposed construction sequence timeframes for each proposed regulated facility (or portions thereof)
  - i. Construction will commence in the winter of 2021-2022 when all appropriate permitting has been obtained and the buildings will be populated in the spring of 2022
- b. Have construction activities started on any of the proposed regulated facilities?  Yes  No If yes, please detail: \_\_\_\_\_

**Part B: Site Land Use Factors**

1) Select the applicable check-box below for each special agricultural land use designation, and

2) Provide written verification in Appendix 5: Supporting Documentation for each agricultural land use designation claimed.

*NOTE: Documentation verifying each claimed land use must be attached for the plan to be administratively complete.*

Agricultural land use designations applicable to the site being evaluated:

- 1. Agricultural Security Area  Yes / No
- 2. Agricultural Zoning  Yes / No
- 3. Preserved Farm  Yes / No

**Part C: Surrounding Area Land Use Factors**

*NOTE: Detail applicable criteria for 1 and 2 on the Operational Map in Appendix 2.*

- 1. Other Livestock Operations ( $\geq$  8 AEUs) within the evaluation distance area  Yes / No   
If yes, then list the type of operation, the direction (N, S, E, W) and quadrant (distance range from the facility). \_\_\_\_\_

2. Distance to nearest property line measurements:

*NOTE: Measured from nearest corner of the proposed animal housing facility and/or manure storage facility to the property line. Measurements must also be detailed on the Operational Map in Appendix 2.*

- a. Animal Housing Facility measurement 418(ft.)  Not Applicable
- b. Manure Storage Facility measurement NA(ft.)  Not Applicable

- 3. If nearest property (from the nearest property line measurements indicated in “2” above) is less than 300’, is this neighboring property a Preserved Farm?  Yes /  No /  NA

*NOTE: Documentation verifying this claimed status must be attached for the plan to be administratively complete.*

- (a) If “Yes” is indicated, detail the name and address in Appendix 5: Supporting Documentation of the nearest neighboring property owner who has a Preserved Farm.



Act 38 of 2005, Odor Management Plan Amendment

## Appendix 2: Operational Maps

### Topographic Map

Odor Management Plans must include a topographic map drawn to scale with a map legend, identifying:

- Operation boundaries;
- Location of existing and proposed animal housing and manure storage facilities on the operation;
- Location of operation-related neighboring facilities;
- Location of neighboring facilities (normally occupied homes, active businesses and churches) and public use facilities within the evaluation distance area;
- Local topography (as indicated by the topographic lines);
- Geographic center with concentric circles drawn at 600' intervals for the entire evaluation distance area;
- Identification of the various map quadrants to include North, South, East and West;
- Distance to nearest property line from the nearest facility;
- Road names within the evaluation distance area; and
- All neighboring facilities and public use facilities that are being given credit for the Intervening Topography and Vegetation Factor.

In order to distinguish the following criteria from the other neighboring facilities and public use facilities, the Operational Map and the associated map legend must have separate symbols detailing the following:

- All operation-related neighboring facilities, and
- All neighboring facilities and public use facilities which are being given credit for the Intervening Topography and Vegetation Factor.

**NOTE:** *The scale chosen must be reasonable and practical for use in evaluating the OMP. For example:*

- *A scale of 1" = 600' is an example of a scale that is reasonable for use in determining evaluation distances, setbacks, etc., but may not be practical for larger evaluation distance areas for fitting the map on one 8 1/2' x 11' sheet of paper.*
- *A scale of 1.37" = 267.5' is an example of a scale that may be practical for fitting on one 8 1/2' x 11' sheet of paper, but in a scale that is not reasonable or very useful.*
- *Maps need to be to a scale that shows sufficient detail to be reasonable and useful. Planners are encouraged to use a scale that can be divided evenly by, or into, 600' by a round whole number*
- *Multiple maps are encouraged to be provided for the purpose of facilitating specific details, i.e. aerial maps, etc.*

### Site Map

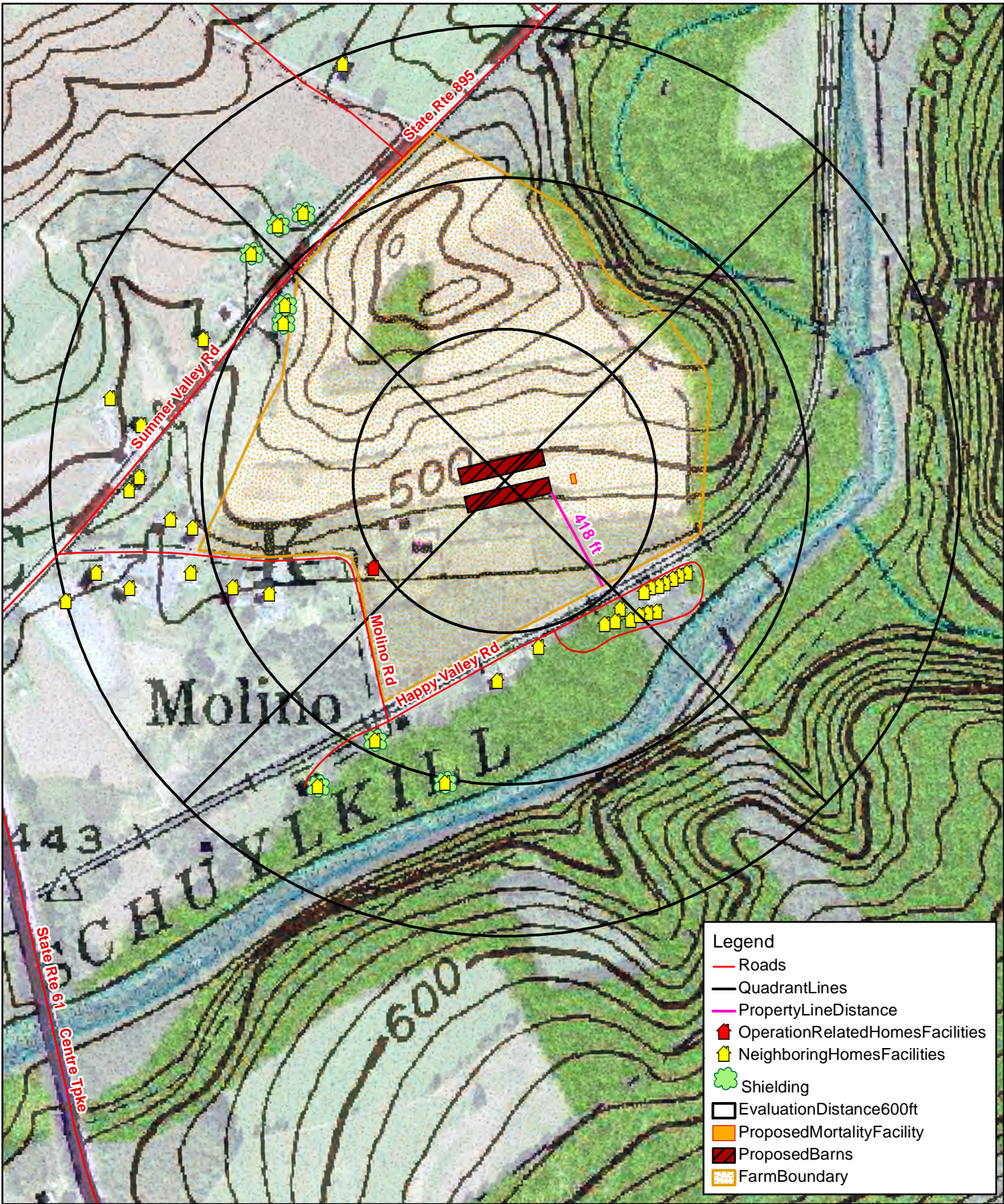
The purpose of the site map is to facilitate the plan review process of identifying specific details about the operation being evaluated. Odor Management Plans must include a site map of the operational related facilities drawn to scale with a map legend, identifying at a minimum the following:

- Operation boundaries;
- Location of existing and proposed animal housing and manure storage facilities on the operation;
- Geographic center with concentric circles drawn at 600' intervals; and
- Distance to nearest property line from the nearest facility

If there are multiple facilities on the site, detail the name of each of the facilities as per what the operator refers to them as, i.e. Layer #1 – Layer #5, mortality composting facility, etc.

If the evaluation distance area is small enough, i.e. a 1200' evaluation distance area, to clearly identify the specific details required, then a separate map will not be required.













# Amos Zimmerman Odor Management Plan Map

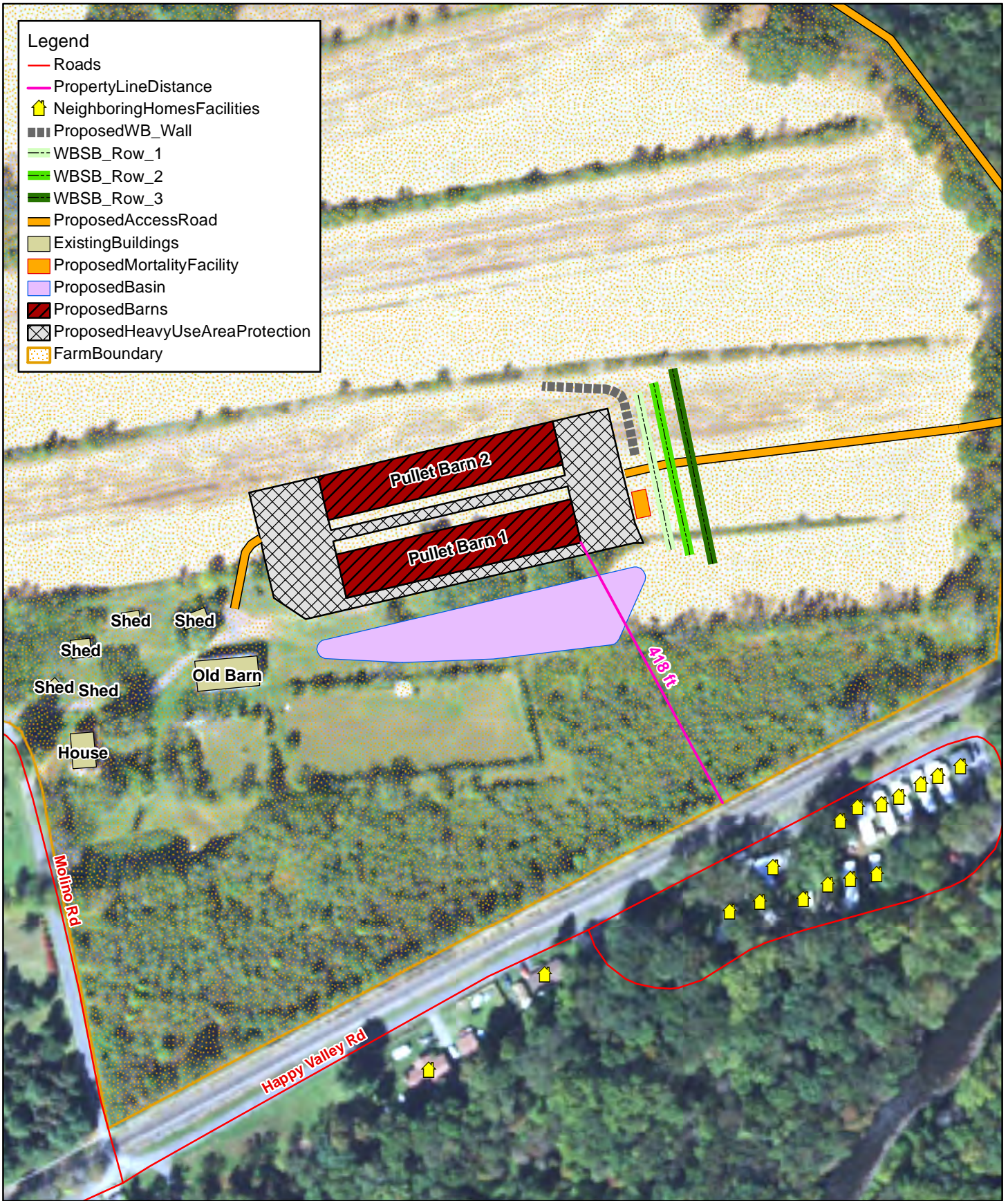


- Legend**
- Roads
  - Quadrant Lines
  - Property Line Distance
  - 🏠 Operation Related Homes Facilities
  - 🏡 Neighboring Homes Facilities
  - 🌿 Shielding
  - Evaluation Distance 600ft
  - 🟠 Proposed Mortality Facility
  - ▨ Proposed Barns
  - 🏠 Farm Boundary

# Amos Zimmerman Facility Layout Map

## Legend

- Roads
- PropertyLineDistance
-  NeighboringHomesFacilities
-  ProposedWB\_Wall
-  WBSB\_Row\_1
-  WBSB\_Row\_2
-  WBSB\_Row\_3
-  ProposedAccessRoad
-  ExistingBuildings
-  ProposedMortalityFacility
-  ProposedBasin
-  ProposedBarns
-  ProposedHeavyUseAreaProtection
-  FarmBoundary



## **Appendix 3: Plan Evaluation – OSI**

Act 38 Odor Management Plan - Odor Site Index

|  |   |  |                  |
|--|---|--|------------------|
| <b>Operator Name</b>                                   | Amos & Jillian Zimmerman  |  |                  |
| <b>Planner Name</b>                                    | Jedd Moncavage  |  |                  |
| <b>Type of Operation</b>                               | Pullets   |  |                  |
| <b>Voluntary Existing AEUs</b>                         | 0   |  |                  |
| <b>Proposed AEUs</b>                                   | 78.8  |  |                  |
| <b>Previously Approved AEUs</b>                        | 112.45  |  |                  |
| <b>AEUs Covered by OMP</b>                             | 78.8  |  |                  |
| <b>Evaluation Distance</b>                             | 1800'   |  |                  |
| <b>Part A: Odor Source Factors</b>                     |   |  | <b>OSI Score</b> |
| Facility Size Covered by OMP                           | 78.8  |  | 2                |
| Site Livestock History                                 | Zero AEUs _12pts  |  | 12               |
| Manure Handling System                                 | Poultry - Multi-flock litter, with or w/o external covered storage-4pts |  | 4                |
|  |   |  | 18.00            |
| <b>Part B: Site Land Use</b>                           |   |  |                  |
| Ag Security Zone                                       | No (0 pct)  |  | 0                |
| Ag Zoning  | No (0 pct)  |  | 0                |
| Preserved Farm   | No (0 pct)  |  | 0                |
|  |   |  | 0.00             |
| <b>Part C: Surrounding Land Use</b>                    |   |  |                  |
| Other Livestock >8 AEU in evaluation distance          | Zero (5pts)   |  | 5.00             |
| Distance to Nearest Property Line                      | >300' (0 pts)   |  | 0.00             |
| If nearest property is <300', is it preserved farmland | N/A (0 pts)   |  | 0.00             |
| Neighboring Homes                                      |   |  | 105.95           |
| Public Use Facilities                                  |   |  | 0.00             |
|  |   |  | 110.95           |
| <b>Species Adjustment Factor</b>                       | Layers,pullets,cattle (0)   |  | 128.95           |
| <b>Final OSI Score</b>                                 |   |  | <b>128.95</b>    |
|  |   |  |                  |
|  |   |  |                  |
|  |   |  |                  |
| <b>Level 2 BMPs Required</b>                           |   |  |                  |

Act 38 Odor Management Plan - Odor Site Index

| <b>East Quadrant</b>     | <600             | 600-1200           | 1200-1800           | 1800-2400        | 2400-3000        |                              |
|--------------------------|------------------|--------------------|---------------------|------------------|------------------|------------------------------|
| # Neighboring Facilities | 0                | 10                 | 0                   | Select from list | Select from list |                              |
| Facility Value           | 15               | 7                  | 3                   | 0                | 0                |                              |
| Home Shielding           | Select from list | 600-1200 None (1)  | Select from list    | Select from list | Select from list | <b>Total Facilities 70.0</b> |
| # Public Use Facilities  |                  |                    |                     |                  |                  | <b>Total Public 0.0</b>      |
| Public Use Value         | 40               | 20                 | 10                  | 5                | 3                |                              |
| Public Use Shielding     | Select from list | Select from list   | Select from list    | Select from list | Select from list | <b>Total East 70.0</b>       |
| <b>South Quadrant</b>    | <600             | 600-1200           | 1200-1800           | 1800-2400        | 2400-3000        |                              |
| # Neighboring Facilities | 0                | 7                  | 2                   | Select from List | Select from List |                              |
| Facility Value           | 10               | 5                  | 2                   | 0                | 0                |                              |
| Home Shielding           | Select from list | 600-1200 Some (.6) | 1200-1800 All (.25) | Select from list | Select from list | <b>Total Facilities 22.0</b> |
| # Public Use Facilities  |                  |                    |                     |                  |                  | <b>Total Public 0.0</b>      |
| Public Use Value         | 30               | 15                 | 7                   | 4                | 2                |                              |
| Public Use Shielding     | Select from list | Select from list   | Select from list    | Select from list | Select from list | <b>Total South 22.0</b>      |
| <b>North Quadrant</b>    | <600             | 600-1200           | 1200-1800           | 1800-2400        | 2400-3000        |                              |
| # Neighboring Facilities | 0                | 0                  | 3                   | Select from List | Select from List |                              |
| Facility Value           | 6                | 3                  | 0.5                 | 0                | 0                |                              |
| Home Shielding           | Select from list | Select from list   | 1200-1800 Some (.5) | Select from list | Select from list | <b>Total Facilities 0.8</b>  |
| # Public Use Facilities  |                  |                    |                     |                  |                  | <b>Total Public 0.0</b>      |
| Public Use Value         | 25               | 13                 | 6                   | 3                | 1                |                              |
| Public Use Shielding     | Select from list | Select from list   | Select from list    | Select from list | Select from list | <b>Total North 0.8</b>       |
| <b>West Quadrant</b>     | <600             | 600-1200           | 1200-1800           | 1800-2400        | 2400-3000        |                              |
| # Neighboring Facilities | 0                | 4                  | 12                  | Select from list | Select from list |                              |
| Facility Value           | 6                | 3                  | 0.5                 | 0                | 0                |                              |
| Home Shielding           | Select from list | 600-1200 Some (.6) | 1200-1800 None (1)  | Select from list | Select from list | <b>Total Facilities 13.2</b> |
| # Public Use Facilities  |                  |                    |                     |                  |                  | <b>Total Public 0.0</b>      |
| Public Use Value         | 25               | 13                 | 6                   | 3                | 1                |                              |
| Public Use Shielding     | Select from list | Select from list   | Select from list    | Select from list | Select from list | <b>Total West 13.2</b>       |
|                          |                  |                    |                     |                  |                  | <b>Grand Total 106.0</b>     |

## Appendix 4: Biosecurity

### Biosecurity Protocol Contact Information

*Detail the point of contact for information on this operation's biosecurity protocols:*

|         |                             |               |                       |
|---------|-----------------------------|---------------|-----------------------|
| Name:   | <u>Amos Zimmerman</u>       | Phone:        | <u>717-821-0440</u>   |
| E-mail: | <u>azjill@emypeople.net</u> | Relationship: | <u>Owner/Operator</u> |

## Appendix 5: Supporting Documentation

This section is reserved for the plan writer when developing this plan to have a dedicated area to include supporting documentation such as for agricultural land use designation verification, Nutrient Management program setback waiver verification, AEU calculation verification when no NMP is available, etc.

### Nutrient Management Plan:

The nutrient management plan is being amended in conjunction with this odor management plan and will be submitted for review to the Schuylkill County Conservation District shortly after this odor management plan is submitted to the State Conservation Commission.

### AEU and AEU/ac Calculations for previously approved plan

16,000 breeder ducks X 6.85lbs/bird / 1000 X 365pd/365dpy = 109.60AEUs  
3 steers X 950lbs/ea / 1000 X 365pd/365dpy = 2.85AEUs  
112.45AEUs / 1.1ac (pasture) = 102.23AEUs/ac

**Note:** none of the animal housing or manure storage facilities included in the previous plan were constructed or populated.

### AEU and AEU/ac Calculations for this amended plan

60,000 brown egg pullets X 1.54lbs/bird / 1000 X 300pd/365dpy = 75.95AEUs  
3 steers X 950lbs/ea / 1000 X 365pd/365dpy = 2.85AEUs  
78.80AEUs / 1.1ac (pasture) = 71.64AEUs/ac

### Existing Buildings and Structures

The bank barn and other existing buildings on site do not house any animals. If any animals are housed in any of these structure in the future then an amendment to this plan will be needed.

### Previously Approved Odor BMPs that are no Longer Applicable

#### Animal Housing Facilities Related Odor BMPs

- 1. Steps taken to reduce dust and feed accumulation in pens, aisles, and on animals.**
  - Cleaning and Sanitation – Buildings will be power washed and disinfected between each flock (approximately every 54 weeks) – **Has been changed to dry cleaning between flocks**
- 2. Manure will be managed to minimize damp, exposed manure that contributes to odor generation.**
  - Litter Maintenance – Approximately 1cuyd of shavings will be spread in the barns each day. Litter will be completely cleaned out between flocks – **Has been changed to full cleanout between flocks with fresh shavings place back in the barn**
  - Scraper System – manure deposited below the drinkers in the slotted floor portion of the barn will be transferred to the manure storage via a scraper system. The scrapers will run 2-3 times per week. **No longer needed, no scraper system now**
  - Monitor for Egg Jams – Facilities will be inspected daily for broken eggs. For systems using egg belts, seams will be monitored daily for failure. Broken eggs should not be discarded in the manure storage. **No longer needed, no egg production now**
  - Clean Egg Conveyors – Components of the egg conveyors, including the egg belt, the rod conveyor, and escalators and de-escalators will be cleaned thoroughly cleaned between each flock (approximately every 54 weeks) - **No longer needed, no egg production now**



**3. Mortalities will be removed daily and managed appropriately.**

- *Composting* – mortalities shall be removed daily and placed in the manure stacking building for composting and will be composted in a separate stack. As the composting process is completed the finished compost shall be land applied or exported in accordance with the nutrient management plan.  
**Changed to composting in separate roofed mortality composting structure**

**Manure Storage Facilities Related Odor BMPs**

**4. Manage Manure Storage Facilities to reduce exposed surface area and off-site odor transfer.**

- *Manage Surface Water*
  - Keep surface water from entering the barn - Grade surrounding area to avoid run on.
  - Keep leachate from leaving the barn - Manage to avoid runoff of liquid by covering or mixing in dry material to absorb water. – **No longer needed no solid manure storage now**
- *Reduce liquid manure exposure to air* - Liquid manure will be added from the bottom of the storage below liquid level. – **No longer needed no liquid manure storage now**
- *Minimize agitation odors* - Minimize length and duration of manure agitation periods.  
**No longer needed no liquid manure storage now**

# TOWNSHIP OF WEST BRUNSWICK SCHUYLKILL COUNTY, PENNSYLVANIA

## ZONING MAP

- R-C RURAL CONSERVATION
- A-P AGRICULTURAL PRESERVATION
- R-1 RURAL RESIDENTIAL
- R-2 MEDIUM DENSITY RESIDENTIAL
- C-1 COMMERCIAL
- I-1 INDUSTRIAL

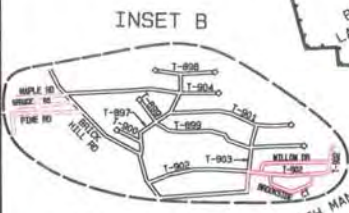
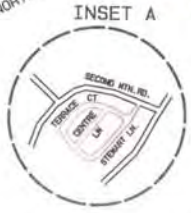
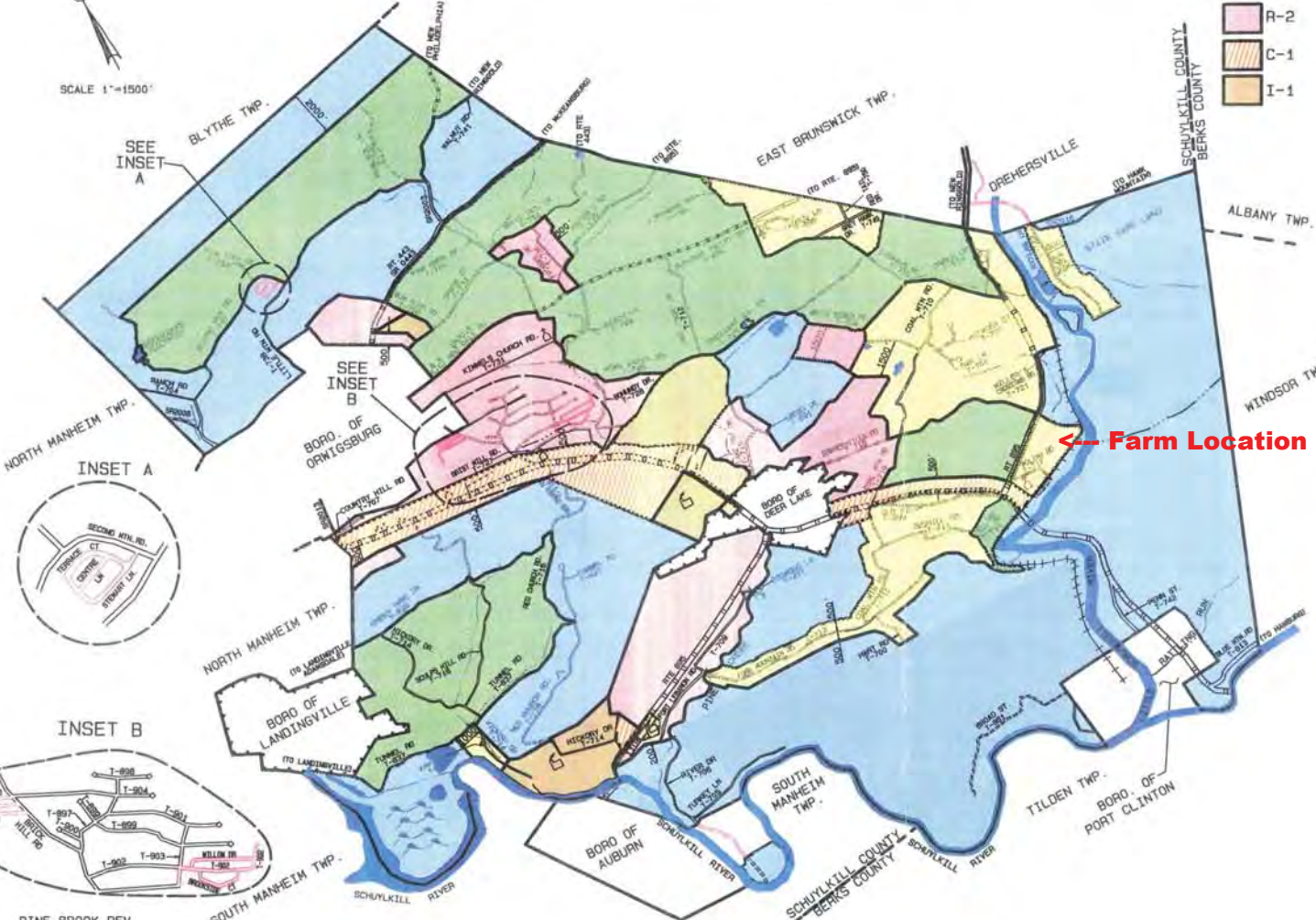
## LEGEND

- MUNICIPAL BUILDING
- GAME COMMISSION OFFICE
- BLUE MTN. SCHOOL (ELEMENTARY/MIDDLE)
- CHURCH
- TOWNSHIP ROAD (UNPAVED)
- TOWNSHIP ROAD (PAVED)
- STATE ROUTE
- PRIVATE ROAD
- TWP. STONE BRIDGE
- TWP. BRIDGE (OTHER)
- RAILROAD
- SILT BASIN
- RECREATION PARK
- INDUSTRIAL LOCATIONS
- CAMPGROUND
- DRIVING RANGE

← Farm Location



SCALE 1"=1500'



**PINE BROOK DEV.**

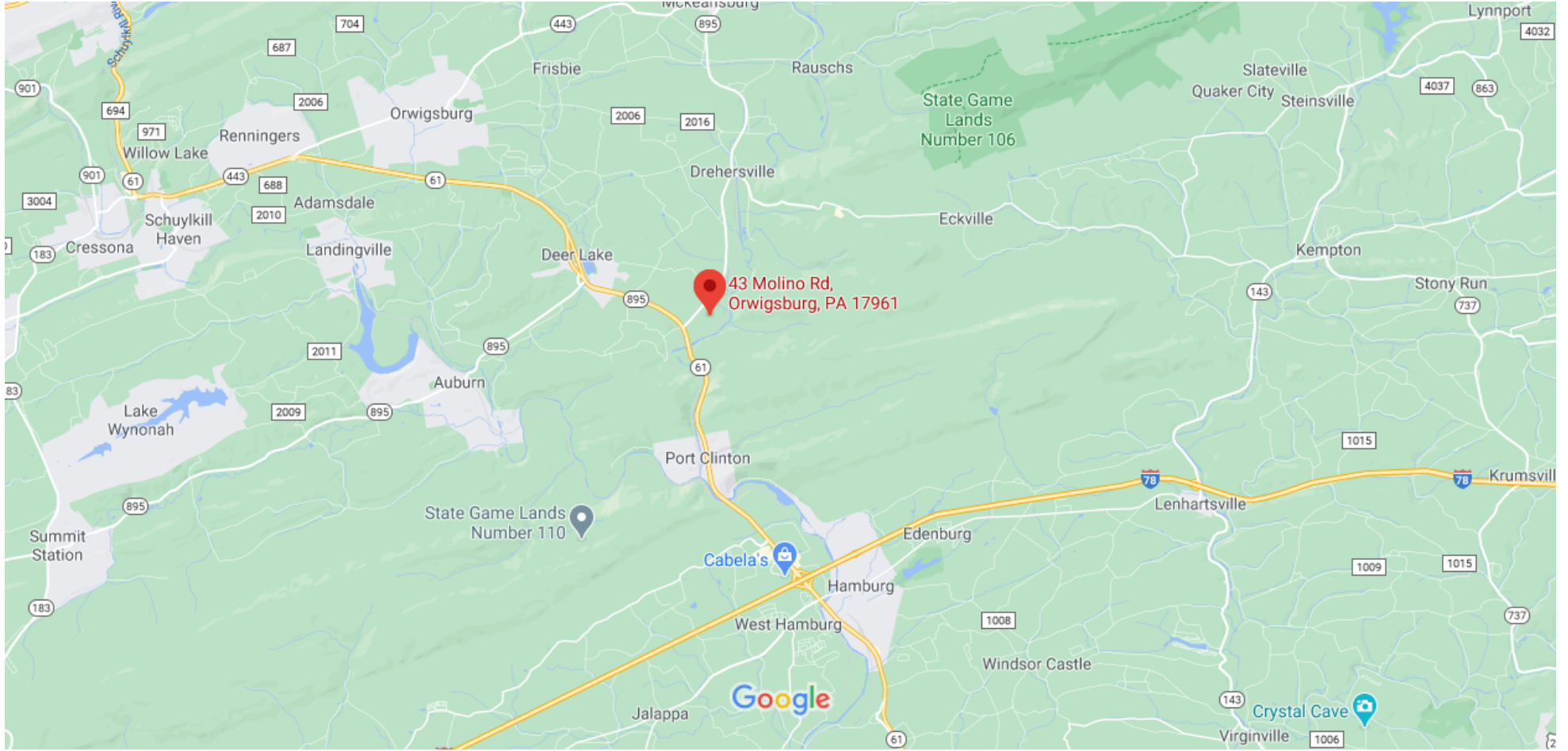
| TOWNSHIP # | STRL. NAME         |
|------------|--------------------|
| T-897      | TALL OAKS RD       |
| T-898      | BRECKENRIDGE RD    |
| T-899      | TANGLEWOOD RD      |
| T-900      | DAK CUL-DE-SAC RD. |
| T-901      | FLORENWOOD RD      |
| T-902      | VILLAGE RD         |
| T-903      | WOODHURST RD       |
| T-904      | BREEZY ACRES RD.   |

NOTE:  
- PARCEL LAYOUT SHOWN IS BASED UPON TAX MAP INFORMATION.  
- THIS MAP IS ONLY INTENDED FOR TOWNSHIP USE.

**Ludgate Engineering Corporation**  
LINCOLN CORPORATE CENTER  
10 VANGUARD DRIVE, SUITE 90  
READING, PA 19608  
570-366-1940  
570-366-0980 (FAX)  
COMPUTER FILE= P/8200198A-08, PRO

REV. DATE: 9-25-08 (ST. NAMES PER TWP.)  
DATE: 8-15-08

# 43 Molino Rd



Map data ©2021 2 mi



**COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION**

DATE: January 6, 2022

TO: Members  
State Conservation Commission

THROUGH: Karl G. Brown, Executive Secretary  
State Conservation Commission

FROM: Frank X. Schneider, Director  
Nutrient and Odor Management Programs

RE: Odor Management Program Compliance Policy and “After the Fact” Strategy

**Action Requested**

No Action is requested at this time.

**Background**

State Conservation Commission (SCC) staff has been working on the OM Program Compliance Policy and “After the Fact” Strategy, as several issues have arisen in regards to program compliance.

The Commission is given the authority to implement the OM Program under the Nutrient and Odor Management Act, Act 38 of 2005. The Commission is entrusted with the responsibility to ensure that certain agricultural operations in the Commonwealth comply with Act 38 OM requirements, where appropriate. The Commission is additionally responsible for the enforcement of Act 38 OM activities on regulated agricultural operations, where non-compliance issues could not be resolved.

The Odor Management Program Compliance Policy and “After the Fact” Strategy is split into two sections that includes:

1. What to do when the Commission suspects an animal operation needs an Odor Management Plan
2. What to do when the Commission approves “After-the-Fact” Odor Management Plans and Plan Amendments

**Summary**

SCC staff is merely briefing the SCC at this time. SCC staff anticipates asking the SCC for approval of the Odor Management Program Compliance Policy and “After the Fact” Strategy in March 2022.

Attachment:

- Odor Management Program Compliance Policy and “After the Fact” Strategy

## **Odor Management Program Compliance Strategy OMP Submissions and “After-the-Fact” OMP and OMP Amendment Approval**

Pennsylvania’s State Conservation Commission (SCC or Commission) is given the authority to implement the Odor Management Program under the Nutrient and Odor Management Act, Act 38 of 2005.

The Commission is entrusted with the responsibility to ensure that certain agricultural operations in the Commonwealth comply with Act 38 Odor Management (OM) requirements, where appropriate.

The following guidance outlines specific procedures approved by the Commission to be utilized when working with certain agricultural operations to ensure Act 38 OM compliance.

### **I. Scenario 1. What to do when the Commission suspects an animal operation needs an Odor Management Plan:**

Commission staff is instructed to assist non-compliant CAOs/CAFOs to ensure that they develop and submit an Act 38 OMP, and work with the planner and the animal operator to obtain plan approval. The Commission will utilize a 3-step notification procedure to bring non-compliant CAOs/CAFOs into compliance.

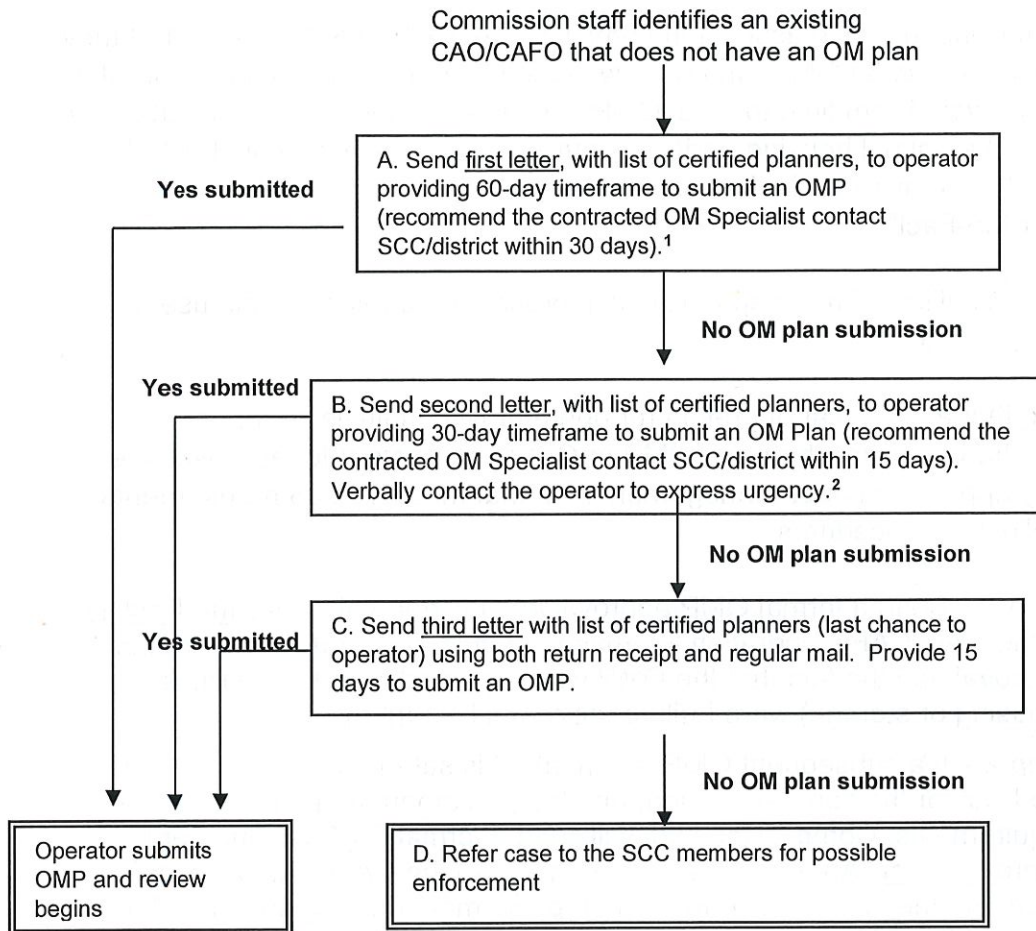
After determining that a particular operation is a non-compliant CAO/CAFO required to develop and implement an OMP under Act 38, the Commission shall:

- A. Step 1 – Send a formal first ‘notification’ letter (standard compliance ‘Letter 1.A’) to the CAO/CAFO operation informing the animal operator of their obligations under Act 38, and indicating the animal operator has 60 days to submit an OMP for review by the Commission. *Note: A submission date should be stipulated in the letter.* A copy of the most current list of Commercial Odor Management Specialists (OMSs) working in the county, found at <http://www.paplants.state.pa.us>, shall be included with the letter. The OMS selected by the animal operator should contact the Commission office within 30 days of the date of the letter to verify that the animal operator is working with the planner to develop a plan. This notification would allow the planner and reviewer to set up any plan submission or joint site visit schedules to facilitate the development and processing of the plan.
- B. Step 2 – If the animal operator does not submit a plan within 60 days of the first ‘notification’ letter sent to them, the Commission will verbally communicate with the animal operator (either by telephone or in person), expressing the urgency to address this issue. A second ‘notification’ letter (standardized compliance ‘Letter 1.B’) informing the animal operator of

their obligation under Act 38 should be sent to the animal operator following the verbal communication. In this letter, the Commission shall provide the animal operator 30 days to submit a plan to the Commission for review. *Note: A submission date should be stipulated in the letter.* The OMS selected by the animal operator should contact the Commission office within 15 days of the date of the letter to verify that the animal operator is working with the planner to develop a plan.

- C. Step 3 – If an animal operator does not submit a plan within the second 30-day period, the Commission shall again call the animal operator to explain the urgency of this issue, and send the third 'notification' letter (standardized compliance 'Letter 1.C' – 'Final Notice') indicating this is the animal operator's last chance to comply with Act 38 requirements prior to the Commission taking a possible enforcement action. The letter will provide a final 15 days to submit a plan. *Note: A required submission date should be stipulated in the letter.* The third 'notification' letter should be sent certified USPS mail (return receipt required) and regular USPS mail.
- D. Enforcement Recommended – If the plan is not submitted by the animal operator within the final 15-day period as stipulated in the letter, Commission staff will refer the case to the SCC for possible enforcement.

**The following decision tree is provided as an example of the above strategy  
CAOs/CAFO that have not obtained an approved OMP**



1 = Standardized compliance letter "1.A"

2 = Standardized compliance letter "2.A"

3 = Standardized compliance letter "3.A"

4 = See Section VI. Specific guidance related to the processing of Act 38 enforcement cases



## **II. Scenario 2. What to do when the Commission approves “After-the-Fact” Odor Management Plans and Plan Amendments:**

Commission staff is instructed to assist non-compliant CAOs/CAFOs to ensure that they develop and submit an Act 38 OMP, and work with the planner and the animal operator to obtain plan approval. From time to time, OMPs and OMP amendments are submitted for approval after the animal housing and/or manure storage has been constructed and/or has started to be utilized. In these instances, those OMP approvals are considered “After-the-Fact”

The Commission will utilize of a 3-step notification procedure to minimize the use of “After-the-Fact” approvals.

After determining that a particular operation (or operator with multiple separate operations) submitted an “After-the-Fact” OMP or OMP amendment for approval, the Commission may approve an odor management plan that meets Act 38 requirements and follow the following procedures::

- A. Step 1 – Send a formal OMP approval letter (Approval - After-the-Fact 1) to the CAO/CAFO operation informing the animal operator of their plan approval and the fact that the OMP was approved after the facilities (housing or storage) were built or utilized. (1<sup>st</sup> Strike)
- B. Step 2 – If a subsequent OMP amendment is submitted for approval After-the-Fact for the same operation, and the pan amendment meets Act 38 requirements, Commission staff will send a formal OMP Amendment approval letter (Approval - After-the-Fact 2) to the CAO/CAFO operation informing the animal operator of their plan amendment approval and the fact that the OMP was approved after the facilities (housing or storage) were built or utilized and that they were reminded after the original OMP approval that After-the-Fact approvals cannot happen to remain in compliance. (2<sup>nd</sup> strike)

Step 3 – If a subsequent OMP amendment is submitted for approval After-the-Fact for the same operation, Commission staff will send a formal OMP Amendment approval letter (Approval - After-the-Fact 3) to the CAO/CAFO operation informing the animal operator of their plan amendment approval and the fact that the OMP was approved after the facilities (housing or storage) were built or utilized and that they were reminded after the original OMP approval and OMP Amendment approval that After-the-Fact approvals cannot happen to remain in compliance. (3<sup>rd</sup> strike). The letter will also detail that enforcement actions will be pursued. Commission staff shall present the possible enforcement to the Commission for consideration.



COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION

DATE

NAME

ADDRESS

**Re: Requirement to Obtain an Approved Odor Management Plan**

Dear Mr. and Mrs. **Farmer Name**,

According to our best information, your animal operation is defined either as a Concentrated Animal Operation (CAO) under Act 38 of 2005, (commonly referred to as Pennsylvania's Nutrient and Odor Management Law) and/or as a Concentrated Animal Feeding Operation (CAFO) under the Department of Environmental Protection Chapter 92 National Pollution Discharge Elimination System permitting, monitoring and compliance criteria, and have started construction activity on an animal housing facility and/or a manure storage facility.

Since you fall under the CAO and/or CAFO designation, you are obligated to follow the Act 38 regulations which require you to obtain and implement an approved Odor Management Plan. The Pennsylvania State Conservation Commission (Commission) administers this Law.

Attached you will find a list of certified odor management specialist planners to assist you in developing an Odor Management Plan (OMP) under this program. Please contact multiple planners to find the specialist that will best meet your needs in the timeframe provided. Once the specialist completes your plan, it must be submitted to this office for review to ensure it meets all program criteria. Once the plan is approved, you will be obligated to implement the provisions of that plan.

In order to come into compliance with the Act 38 compliance obligations, by **DATE** (within 60 Days), **NAME** will need to submit an administratively complete OMP to our office for review. We recommend that you contact a planner within the next 5 days in order to start the process recognizing the time it can take to develop a plan. Please have your planner contact our office by **DATE** (within 30 Days) so that we know you are proceeding with complying with the law.

In closing, be aware that any violation of Act 38 subjects you to possible enforcement actions, such as fines and/or orders, as provided by the law. We want to help you understand and meet the requirements under this law and we

hope that our direction provided in this letter will assist you in complying so that you will not be subject to enforcement actions.

If you have any questions relating to this obligation, please contact me (215) 287-4564, or at [kdymond@pa.gov](mailto:kdymond@pa.gov) so that I can provide whatever additional direction you may need. I look forward to working with you as you proceed to meet your obligations under this law.

Sincerely,

Karl Dymond  
Odor Management Program Coordinator

CC: File

NM Program Regional Coordinator:  
 County Conservation District

Enclosure: Commercial Odor Management Specialist List



COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION

DATE

NAME

ADDRESS

**Re: Requirement to Obtain an Approved Odor Management Plan**

Dear Mr. and Mrs. **Farmer Name**,

This letter is being sent as a follow up to my previous letter dated **[Date<sup>1</sup>]** informing you of your Odor Management planning obligation as a Concentrated Animal Operation (CAO) under Act 38 of 2005 (commonly referred to as Pennsylvania's Nutrient and Odor Management Law) and/or as a Concentrated Animal Feeding Operation (CAFO) under the Department of Environmental Protection Chapter 92 National Pollution Discharge Elimination System permitting, monitoring and compliance criteria.

The Commission has not received your Odor Management Plan submission within the 60 day timeframe provided in our previous letter. You are currently considered to be out of compliance with Act 38. To gain compliance you are required to work with a certified Odor Management Specialist planner (I am again including a copy of the planner list for **[County<sup>3</sup>]** County) to develop and submit an Odor Management Plan (OMP) to our office for action.

In order to come into compliance with the Act 38 compliance obligations, you will need to submit an administratively complete OMP to our office for review, by **[Date<sup>4</sup>]**. We recommend that you contact a planner within the next 2 days in order to start the process. Please have your planner contact our office by DATE (within 15 days) so that we know you are proceeding with complying with the law.

If you have any questions relating to this obligation, please contact me (215) 287-4564, or at [kdymond@pa.gov](mailto:kdymond@pa.gov) so that I can provide whatever additional direction you may need. I look forward to working with you as you proceed to meet your obligations under this law.

Sincerely,

Karl Dymond  
Odor Management Program Coordinator



cc: File

NM Program Regional Coordinator:  
\_ County Conservation District

Enclosure: Commercial Odor Management Specialist list





COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION

Certified Mailing Number: XXXX XXXX XXXX XXXX XXXX

DATE

NAME  
ADDRESS

Re: **FINAL NOTICE** - Requirement to Obtain an Approved Odor Management Plan

Dear Mr. and Mrs. *Farmer Name*,

This letter is a follow up to my two previous letters dated *[Dates<sup>1</sup>]* and serves as our final notice to inform you of your legal obligation to submit an Odor Management Plan (Plan) to the State Conservation Commission (Commission) for review and action.

You have not complied with the Plan submission timeframes provided in our previous two letters. **This letter represents your last chance to avoid having penalties or other enforcement actions taken against you due to non-compliance with the plan submission obligations under Pennsylvania's Nutrient and Odor Management Law (Act 38).** Failure to heed this final notice will necessitate taking an enforcement action against you.

**You must submit an Odor Management Plan to our office for review, by *[Date<sup>2</sup>]*.** If you are currently working with a certified commercial odor management specialist to develop your plan, please have that person contact me so that I can document your efforts to meet your legal obligations.

If you have any questions relating to this obligation, please contact me at (215) 287-4564, or at [kdymond@pa.gov](mailto:kdymond@pa.gov), so that I can provide whatever additional direction you may need. I look forward to working with you as you proceed to meet your obligations under this law.

Sincerely,

Karl Dymond  
Odor Management Program Coordinator



cc: File  
NM Program Coordinator:  
CCD<sup>4</sup> County Conservation District

Enclosure: Commercial Odor Management Specialist List

OM Program Requirements: OPERATOR

Dates<sup>1</sup> = Dates (2 dates) of first and second letters (1.B and 1.C) sent to the farmer to inform of the OMP requirement

Date<sup>2</sup> = This date should be about 15 days from the date the letter is expected to reach the farmer

Phone Number<sup>3</sup> = Your office phone number

CCD<sup>4</sup> = The name of your district, such as Lebanon County Conservation District





COMMONWEALTH OF PENNSYLVANIA  
**STATE CONSERVATION COMMISSION**

DATE

Farmer's Name  
Address

RE: PLAN NAME – SITE NAME  
Odor Management Plan Approval

Dear [NAME],

The State Conservation Commission received your proposed odor management plan on [DATE], for the [PLAN NAME – SITE NAME] operation located at [ADDRESS]. Based upon our review, the plan submission meets the requirements of the Facility Odor Management regulations, and therefore was approved on [DATE].

After-the-Fact Note – Please note that this approval is “After-the-Fact” signifying that you have constructed and/or utilized facilities (animal housing or manure storage) prior to approval of this OMP. This is a violation of the law and regulations and has been noted.

To remain **in compliance with** the odor management provisions of Act-38 of 2005 (Pa’s Nutrient and Odor Management Act) you must implement the odor management plan and maintain plan implementation records in accordance with program regulations.

**Act 38 Obligations:**

Your legal obligations relating to your approved Odor Management Plan are as follows:

1) Immediately after you have completed construction on each of the [new or expanded animal housing or manure storage facilities], you must contact the Commission via certified mail informing the Commission when each of the [new or expanded animal housing facility or manure storage facility] are completed and that you would like to [populate/ use] these facilities. You cannot use the [new or expanded animal housing or manure storage facilities] until the Commission inspects the [new/ expanded] facilities and provides written approval confirming that you have constructed the facilities consistent with the odor management plan.

2) Fully implement and follow all provisions of your approved odor management plan. Implementation includes adherence to all listed Odor BMPs and their scheduled timeframes and conditions contained in the plan; and to keep and maintain accurate records of the Odor BMPs consistent with the implementation, operation and maintenance schedule.

Odor Management Plan Approval: NAME OMP

- 3) If you wish to deviate from the practices or timelines listed in your approved plan, you must contact your certified planner and our office prior to the action.
- 4) With the assistance of a Pennsylvania Certified Odor Management Specialist you must:
  - a. Amend your plan whenever you expect to make a significant change in this plan. A significant change is defined as a net increase of 25% or more in the number of animals on the farm.
  - b. Amend your plan if you wish to implement a different Odor BMP than those already approved for your operation.

In conclusion, you are legally obligated to follow all provisions of your approved odor management plan. You cannot deviate from the practices outlined in this plan without formally amending this approved odor management plan through a Pennsylvania Certified Odor Management Specialist and the State Conservation Commission.

If you have any questions about this letter or your requirements under the odor management program, please feel free to call me at (215) 287-4564 and I will provide whatever assistance I can.

Sincerely,

Karl Dymond  
Odor Management Program Coordinator  
State Conservation Commission

CC: PA Bulletin File  
Plan Writer: NAME  
Mike Aucoin (Note: PDA plan writer certification)  
Plan Reviewer:  
NM Program Regional Coordinator:  
\_\_\_\_ CD  
File

Attachment: Plan Cover Page



COMMONWEALTH OF PENNSYLVANIA  
**STATE CONSERVATION COMMISSION**

DATE

Farmer's Name  
Address

RE: PLAN NAME – SITE NAME  
Odor Management Plan Approval

Dear [NAME],

The State Conservation Commission received your proposed odor management plan on [DATE], for the [PLAN NAME – SITE NAME] operation located at [ADDRESS]. Based upon our review, the plan submission meets the requirements of the Facility Odor Management regulations, and therefore was approved on [DATE].

After-the-Fact Note – Please note that this approval is “After-the-Fact” signifying that you have constructed and/or utilized facilities (animal housing or manure storage) prior to approval of this OMP. This is a violation of the law and regulations and has been noted.

To remain **in compliance with** the odor management provisions of Act-38 of 2005 (Pa’s Nutrient and Odor Management Act) you must implement the odor management plan and maintain plan implementation records in accordance with program regulations.

**Act 38 Obligations:**

Your legal obligations relating to your approved Odor Management Plan are as follows:

1) Immediately after you have completed construction on each of the [new or expanded animal housing or manure storage facility], you must contact the Commission via certified mail informing the Commission when each of the [new or expanded animal housing facility or manure storage facility] are completed and that you would like to [populate/ use] these facilities. You cannot use the [new or expanded animal housing or manure storage facility] until the Commission inspects the [new/ expanded] facilities and provides written approval confirming that you have constructed the facilities consistent with the odor management plan.

2) Fully implement and follow all provisions of your approved odor management plan. If you wish to deviate from the practices listed in your approved plan, you must contact your certified planner and our office prior to the action.

Odor Management Plan Approval: NAME OMP

3) With the assistance of a Pennsylvania Certified Odor Management Specialist, you must amend your plan whenever you expect to make a significant change in this plan. A significant change is defined as a net increase of 25% or more in the number of animals on the farm.

In conclusion, you are legally obligated to follow all provisions of your approved odor management plan. You cannot deviate from the practices outlined in this plan without formally amending this approved odor management plan through a Pennsylvania Certified Odor Management Specialist and the State Conservation Commission.

If you have any questions about this letter or your requirements under the odor management program, please feel free to call me at (215) 287-4564 and I will provide whatever assistance I can.

Sincerely,

Karl Dymond  
Odor Management Program Coordinator  
State Conservation Commission

CC: PA Bulletin File  
Plan Writer: NAME, ADDRESS  
Mike Aucoin (Note: PDA plan writer certification)  
Plan Reviewer:  
NM Program Regional Coordinator:  
\_\_\_\_ CD  
File

Attachment: Plan Cover Page



COMMONWEALTH OF PENNSYLVANIA  
**STATE CONSERVATION COMMISSION**

DATE

Farmer's Name  
Address

RE: PLAN NAME – SITE NAME  
Odor Management Plan Approval

Dear [NAME],

The State Conservation Commission received your proposed odor management plan on [DATE], for the [PLAN NAME – SITE NAME] operation located at [ADDRESS]. Based upon our review, the plan submission meets the requirements of the Facility Odor Management regulations, and therefore was approved on [DATE].

After-the-Fact Note – Please note that this approval is “After-the-Fact” signifying that you have constructed and/or utilized facilities (animal housing or manure storage) prior to approval of this OMP. This is a violation of the law and regulations and has been noted.

To remain **in compliance with** the odor management provisions of Act-38 of 2005 (Pa's Nutrient and Odor Management Act) you must implement the odor management plan and maintain plan implementation records in accordance with program regulations.

**Act 38 Obligations:**

Your legal obligations relating to your approved Odor Management Plan are as follows:

1) Immediately after you have completed construction on each of the [new or expanded animal housing or manure storage facility], **you must contact the Commission via certified mail informing the Commission when each of the [new or expanded animal housing facility or manure storage facility] are completed, requesting Commission inspection in order to authorize [populating/ utilizing] these facilities.** You cannot use the [new or expanded animal housing or manure storage facility] until the Commission inspects the [new/ expanded] facilities and provides written approval confirming that you have constructed the facilities consistent with the odor management plan.

2) Fully implement and follow all provisions of your approved odor management plan. Implementation includes 1) adherence to installation of listed Odor BMPs within the implementation schedule timeframes and conditions; 2) maintenance of the Odor BMPs consistent with the operation and maintenance schedule timeframes and conditions contained in the plan; and 3) to keep and maintain accurate records of the Odor BMPs consistent with the implementation, operation and maintenance schedule.



Odor Management Plan Approval: NAME OMP

- 3) If you wish to deviate from the practices or timelines listed in your approved plan, you must contact your certified planner and our office prior to the action.
- 4) With the assistance of a Pennsylvania Certified Odor Management Specialist you must:
  - a. Amend your plan whenever you expect to make a significant change in this plan. A significant change is defined as a net increase of 25% or more in the number of animals on the farm.
  - b. Amend your plan if you wish to implement a different Odor BMP than those already approved for your operation.

In conclusion, you are legally obligated to follow all provisions of your approved odor management plan. You cannot deviate from the practices outlined in this plan without formally amending this approved odor management plan through a Pennsylvania Certified Odor Management Specialist and the State Conservation Commission.

If you have any questions about this letter or your requirements under the odor management program, please feel free to call me at (215) 287-4564 and I will provide whatever assistance I can.

Sincerely,

Karl Dymond  
Odor Management Program Coordinator  
State Conservation Commission

CC: PA Bulletin File  
Plan Writer: NAME, ADDRESS  
Mike Aucoin (Note: PDA plan writer certification)  
Plan Reviewer:  
NM Program Regional Coordinator:  
\_\_\_\_ CD  
File

Attachment: Plan Cover Page



COMMONWEALTH OF PENNSYLVANIA  
**STATE CONSERVATION COMMISSION**

DATE

Farmer's Name  
Address

RE: PLAN NAME – SITE NAME  
Odor Management Plan Amendment "A" Approval

Dear [NAME],

The State Conservation Commission received your proposed odor management plan amendment "A" on [DATE], for the [PLAN NAME – SITE NAME] operation located at [ADDRESS]. Based upon our review, the plan amendment submission meets the requirements of the Facility Odor Management regulations, and therefore was approved on [DATE].

After-the-Fact Approval Note – Please note that this approval is the 2<sup>nd</sup> "After-the-Fact" approval signifying that you have constructed and/or utilized facilities (animal housing or manure storage) prior to approval of this OMP amendment. This is a violation of the law and regulations and has been noted for a second time.

To remain **in compliance with** the odor management provisions of Act-38 of 2005 (Pa's Nutrient and Odor Management Act) you must implement the odor management plan amendment and maintain plan implementation records in accordance with program regulations.

**Act 38 Obligations:**

The DATE, approved OMP regulates the following constructed facilities:

The DATE, approved OMP Amendment "A" additionally regulates the following constructed facilities:

Your legal obligations relating to your approved Odor Management Plan Amendment "A" are as follows:

1) Immediately after you have completed construction on each of the [new or expanded animal housing or manure storage facilities], you must contact the Commission via certified mail informing the Commission when each of the [new or expanded animal housing or manure storage facilities] are completed and that you would like to [populate/use] these facilities. You cannot use the [new or expanded animal housing or manure storage facilities] until the Commission inspects the [new/ expanded] facilities and provides written approval confirming that you have constructed the facilities consistent with the odor management plan amendment.

PDA CENTRAL OFFICE  
2301 NORTH CAMERON ST., HARRISBURG, PA 17110-9408 717-787-8821 (FAX) 717-705-3778

Odor Management Plan Approval: [NAME] – Amend “A” OMP

- 2) Fully implement and follow all provisions of your approved odor management plan amendment. Implementation includes adherence to all listed Odor BMPs and their scheduled timeframes and conditions contained in the plan amendment; and to keep and maintain accurate records of the Odor BMPs consistent with the implementation, operation and maintenance schedule.
- 3) If you wish to deviate from the practices or timelines listed in your approved plan amendment, you must contact your certified planner and our office prior to the action.
- 4) With the assistance of a Pennsylvania Certified Odor Management Specialist you must:
  - a. Re-amend your plan whenever you expect to make a significant change in this plan amendment. A significant change is defined as a net increase of 25% or more in the number of animals on the farm.
  - b. Re-amend your plan amendment if you wish to implement a different Odor BMP than those already approved for your operation.

In conclusion, you are legally obligated to follow all provisions of your approved odor management plan amendment. You cannot deviate from the practices outlined in this plan amendment without formally re-amending this approved odor management plan amendment through a Pennsylvania Certified Odor Management Specialist and the State Conservation Commission.

If you have any questions about this letter or your requirements under the odor management program, please feel free to call me at (215) 287-4564 and I will provide whatever assistance I can.

Sincerely,

Karl Dymond  
Odor Management Program Coordinator  
State Conservation Commission

CC: PA Bulletin File  
Plan Writer: NAME  
Mike Aucoin (Note: PDA plan writer certification)  
Plan Reviewer:  
NM Program Regional Coordinator:  
\_\_\_\_ CD  
File

Attachment: Plan Cover Page



COMMONWEALTH OF PENNSYLVANIA  
**STATE CONSERVATION COMMISSION**

DATE

Farmer's Name  
Address

RE: PLAN NAME – SITE NAME  
Odor Management Plan Amendment "A" Approval

Dear [NAME],

The State Conservation Commission received your proposed odor management plan amendment "A" on [DATE], for the [PLAN NAME – SITE NAME] operation located at [ADDRESS]. Based upon our review, the plan amendment submission meets the requirements of the Facility Odor Management regulations, and therefore was approved on [DATE].

After-the-Fact Approval Note – Please note that this approval is the 3<sup>rd</sup> "After-the-Fact" approval signifying that you have constructed and/or utilized facilities (animal housing or manure storage) prior to approval of this OMP. This is a violation of the law and regulations and has been noted for a third time. This violation will now be considered for an enforcement action, due to the continued After-the-Fact OMP approvals.

To remain **in compliance with** the odor management provisions of Act-38 of 2005 (Pa's Nutrient and Odor Management Act) you must implement the odor management plan amendment and maintain plan implementation records in accordance with program regulations.

**Act 38 Obligations:**

The DATE, approved OMP regulates the following constructed facilities:

The DATE, approved OMP Amendment "A" additionally regulates the following constructed facilities:

Your legal obligations relating to your approved Odor Management Plan Amendment "A" are as follows:

1) Immediately after you have completed construction on each of the [new or expanded animal housing or manure storage facilities], you must contact the Commission via certified mail informing the Commission when each of the [new or expanded animal housing or manure storage facilities] are completed and that you would like to [populate/use] these facilities. You cannot use the [new or expanded animal housing or manure storage facilities] until the Commission inspects the [new/ expanded] facilities and

Odor Management Plan Approval: [NAME] – Amend “A” OMP

provides written approval confirming that you have constructed the facilities consistent with the odor management plan amendment.

2) Fully implement and follow all provisions of your approved odor management plan amendment. Implementation includes adherence to all listed Odor BMPs and their scheduled timeframes and conditions contained in the plan amendment; and to keep and maintain accurate records of the Odor BMPs consistent with the implementation, operation and maintenance schedule.

3) If you wish to deviate from the practices or timelines listed in your approved plan amendment, you must contact your certified planner and our office prior to the action.

4) With the assistance of a Pennsylvania Certified Odor Management Specialist you must:

- a. Re-amend your plan whenever you expect to make a significant change in this plan amendment. A significant change is defined as a net increase of 25% or more in the number of animals on the farm.
- b. Re-amend your plan amendment if you wish to implement a different Odor BMP than those already approved for your operation.

In conclusion, you are legally obligated to follow all provisions of your approved odor management plan amendment. You cannot deviate from the practices outlined in this plan amendment without formally re-amending this approved odor management plan amendment through a Pennsylvania Certified Odor Management Specialist and the State Conservation Commission.

If you have any questions about this letter or your requirements under the odor management program, please feel free to call me at (215) 287-4564 and I will provide whatever assistance I can.

Sincerely,

Karl Dymond  
Odor Management Program Coordinator  
State Conservation Commission

CC: PA Bulletin File  
Plan Writer: NAME  
Mike Aucoin (Note: PDA plan writer certification)  
Plan Reviewer:  
NM Program Regional Coordinator:  
\_\_\_\_ CD  
File

Attachment: Plan Cover Page



**MEMO**

**TO** Karl G. Brown  
Executive Secretary  
State Conservation Commission

**FROM** Karen L. Books  
Chief  
Conservation District Support Section

**THROUGH** Jill Whitcomb  
Director  
Chesapeake Bay Office

**DATE** January 10, 2022

**RE** Review of District Audit Reports for Calendar Year 2020

**ACTION REQUESTED:** Accept report of district audits for calendar year 2020.

**Background**

Starting in 1999, the State Conservation Commission (Commission) required conservation district (District) financial records to be audited under the supervision of a certified public accountant. Those audits must be independent of the County audit and completed in accordance with generally accepted auditing standards and the standards applicable to “Financial Statement” audits contained in the latest revision of *Government Auditing Standards* issued by the Comptroller General of the United States.

**Compliance with Audit Deadline**

Sixty-one (61) District audits were submitted by the December 31, 2021 deadline as stated in the Commission’s audit policy. The other five (5) Districts were granted extensions by the Commission in December. Three (3) of those Districts submitted their audits prior to writing this memo. The other two audits are expected to be submitted in the next couple weeks. I am pleased to report that all 64 conservation district audit reports that we received so far were independent of the County audit as required by Commission Policy.

### **Summary of Audit Findings**

Since 1999, Districts have consistently made positive efforts in addressing the recommendations and findings reported in their audits. For calendar year 2020, forty (40) District audit reports had “no reportable findings”. This is five more Districts with “no reportable findings” than we had last year for the 2019 audits. Many of the more common findings identified during the initial years have been addressed; however, the most common finding which continues to be noted is “*Lack of Segregation of Duties*”. This finding was noted in 19 of the current audits which is four less than last year. This finding comprised 58% of all findings noted. Explanations of this finding are as follows:

“*Lack of Segregation of Duties*” is related to the small number of staff in some district offices. Due to this small number of staff, these Districts have difficulty achieving the segregation of duties recommended for an efficient system of internal controls over their finances. As an interim measure, District auditors consistently recommend that District directors take an active role in the financial functions of their district. This involvement is intended to minimize the possibility that any errors or irregularities could occur.

To permanently address “*Lack of Segregation of Duties*”, Districts should implement a policy that increases the number of District staff and directors overseeing/reviewing District financial activities. Commission and Agency staff have been looking into this issue and plan to recommend some options or policy in the future to help Districts address these findings.

### **Summary of Compliance with the Commission’s Audit Policy**

I am also pleased to report that the 2020 audits show all Districts are following the guidelines approved by the Commission dealing with *Custodial Credit Risk*, for both bank deposits and investments. In 2020 there were no Districts with unsecured funds exposed to *Custodial Credit Risk*.

For newer Commission members and those that need a refresher, the following is an explanation of *Custodial Credit Risk*:

*Custodial Credit Risk* is the risk a District assumes when its deposits over a certain federally insured amount, currently \$250,000, may or may not be available in the event of failure of the financial institution that has pledged securities as collateral to protect these funds. These deposits, in excess of \$250,000, are not covered by federal depository insurance, but are protected by collateral securities held by a pledging financial institution.

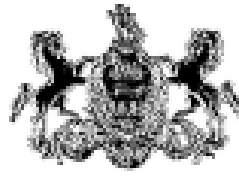
These securities are typically not held under the District’s name and in the event that the pledging institution would fail, the District may not be able to recover the full value of its investment or collateralized securities that are in possession of this institution.

To minimize the risk to bank deposits and investments that fall under the category of *Custodial Credit Risk*, the Commission recommends that Districts follow the guidelines presented on the second page of the investment *Model Policy* approved by the Commission in May 2010 and distributed to all districts. The guidelines are as follows:

The Conservation District board should assure that:

- The District has a written agreement with the institution regarding the collateral pledge;
- The pledge is approved by the institution's board of directors or loan committee, and such approval is reflected in the institution's minutes and is kept continuously as an official record of the institution;
- The market value (not just the face value) of the pledged securities is tested frequently and is at least equal to the amount of the deposits plus accrued interest;
- The pledged securities are U.S. Government Securities; and
- The District receives, from the bank, monthly reports on the amount of this deposit, the identity of the collateral and the market value of the collateral.





COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION

**Date:** January 6, 2022

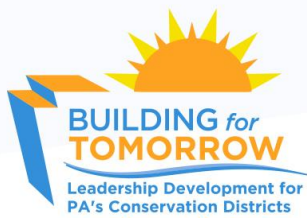
**To:** Members  
State Conservation Commission

**From:** Karl G. Brown, Executive Secretary

**RE:** 2022 Conservation District Director Appointments

As of January 6, 2022, Chief Clerks from 52 counties (79% of all counties) have submitted their county's list of Conservation District Director appointments for 2022 to the State Conservation Commission. Those counties noted below with an asterisk are those counties where appointments have not yet been received by the Commission. Reminder letters will be mailed to those counties that have not submitted their director appointments to the Commission.

- |                |                |                    |                  |
|----------------|----------------|--------------------|------------------|
| 1. Adams       | 18. Clinton    | 35. Lackawanna*    | 52. Potter       |
| 2. Allegheny*  | 19. Columbia*  | 36. Lancaster*     | 53. Schuylkill   |
| 3. Armstrong   | 20. Crawford   | 37. Lawrence       | 54. Snyder       |
| 4. Beaver*     | 21. Cumberland | 38. Lebanon        | 55. Somerset     |
| 5. Bedford     | 22. Dauphin*   | 39. Lehigh*        | 56. Sullivan     |
| 6. Berks       | 23. Delaware   | 40. Luzerne*       | 57. Susquehanna  |
| 7. Blair       | 24. Elk*       | 41. Lycoming       | 58. Tioga        |
| 8. Bradford    | 25. Erie       | 42. McKean         | 59. Union        |
| 9. Bucks       | 26. Fayette    | 43. Mercer         | 60. Venango*     |
| 10. Butler     | 27. Forest     | 44. Mifflin        | 61. Warren       |
| 11. Cambria    | 28. Franklin   | 45. Monroe         | 62. Washington   |
| 12. Cameron*   | 29. Fulton     | 46. Montgomery     | 63. Wayne        |
| 13. Carbon     | 30. Greene     | 47. Montour        | 64. Westmoreland |
| 14. Centre     | 31. Huntingdon | 48. Northampton*   | 65. Wyoming*     |
| 15. Chester    | 32. Indiana    | 49. Northumberland | 66. York         |
| 16. Clarion    | 33. Jefferson  | 50. Perry          |                  |
| 17. Clearfield | 34. Juniata*   | 51. Pike           |                  |



## **Building for Tomorrow Leadership Development Program Activities Report January 18, 2022**

The **2021 Management Summit** was held on September 15-16 at the Wyndham Garden Conference Center, Boalsburg. The program included presentations on Coaching & Mentoring, the Employee Life Cycle & Performance Management, and discussions on staff retention and development. The event also included a **New Manager Preconference** meeting that served as the conclusion to the 2021 Hybrid New Manager Training. Total event attendance was 48 in-person, 7 online, and included district managers, assistant managers, and partner staff.

The **2021 Fall Leadership Webinar Series** was held in October and November 2021. The program included a two-part presentation on Succession Management Planning and a presentation on Environmental Justice concepts and Conservation Leadership. A total of 56 district directors, associate directors, managers, and partner staff participated in the series.

The **2021-2022 Strategic Planning Grants Program** received and approved letters of intent from four districts, and has awarded reimbursements for completed plans to two districts.

Registration is currently open for the **2022 Hybrid Staff Conference**, February 16-17 at the Wyndham Garden. District Staff can attend in-person or online, and the program features presentations on Dealing with Difficult People, Resilience & Humor, Public Attitudes toward Conservation Work, Cybersecurity for Office & Home, and Grant Management Tools, as well as discussions on content production and current outreach challenges and 2<sup>nd</sup> Annual Conservation District Video Awards presentation.

Registration is also open for the **2022 Director Workshop Series**. Building on themes from programs earlier in the year, this workshop will focus on Staff Retention and Post-Covid Employee Policies and will include information on the current state of district staffing in the context of larger workforce changes. Workshop sessions are scheduled for February and March and include options for in-person and online participation.



A **2022 Spring Leadership Webinar Series** is being planned for May & June. The tentative program for this series includes a New Director Orientation tour of online resources for self-guided training, partner program deep dives presentations for new directors, and professional development topics for managers.



COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION

January 11, 2022

**To:** State Conservation Commission Members

**From:** Karl G. Brown  
Executive Secretary

**RE:** Chesapeake Bay Program Update – Jill Whitcomb, DEP

Information regarding ‘Agenda Item B.7 - Chesapeake Bay Program’ will be provided prior to the January 18, 2022 public meeting.



COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION

January 11, 2022

**To:** State Conservation Commission Members

**From:** Karl G. Brown  
Executive Secretary

**RE:** Agricultural Best Management Practice ‘Pilot’ Survey – Matt Royer, PSU

Information regarding ‘Agenda Item B.8 - Agricultural Best Management Practice ‘Pilot’ Survey’ will be provided prior to the January 18, 2022 public meeting.



**COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION**

DATE: December 20, 2021

TO: State Conservation Commission Members

FROM: Frank X. Schneider, Director  
Nutrient and Odor Management Programs

THROUGH: Karl G. Brown  
Executive Secretary

RE: Act-38 Nutrient and Manure Management Program Evaluations

In October 2018, SCC staff started to perform combined Nutrient and Manure Management Program Evaluations with delegated Conservation Districts during the current 5-year delegation agreement time frame.

During these evaluations, SCC and DEP staffs are reviewing the performance of conservation districts under the current agreements. The intent is to evaluate all conservation districts in a 4-year timeframe with an overall goal of improving and enhancing program delivery.

The specific purpose of these evaluations is to verify that the districts are meeting the obligations contained in their delegation agreements. In addition, the evaluation provides the conservation districts with the opportunity to comment on the program requirements, SCC and DEP policies and procedures, SCC and DEP training, administrative and technical support, and the district's working relationship with the SCC and DEP Regional Office and other related agencies or partners. It also allows SCC and DEP staff to make recommendations and suggestions aimed at assisting the conservation district in enhancing and/or improving its administration of the program.

Between July 2021 and December 2021, a total of 8 conservation districts were evaluated. Seven districts evaluated were meeting program requirements and had an overall ranking of "satisfactory". One district had a rating of follow-up, which will be performed in 6 months.

**Below are highlights of SCC/DEP recommendations (number of times).**

1. The SCC commends the CD for their role in a Delaware Valley University and Northeast SARE study on the effects of manure stacking on soils with a high

- seasonal high-water table, and the producing of an excellent brochure summarizing the study and its results. (1 of 8)
2. The SCC appreciates the CD allowing their staff to get NRCS job approval. (2 of 8)
  3. The SCC acknowledges and appreciates the CD's good working relationship with NRCS. (7 of 8)
  4. Both the SCC and DEP acknowledge that the CD met their required output measures (ROMS) of formal education and /or informational programs and general awareness outreach as obligated in their Delegation Agreement. (7 of 8)
  5. The SCC thanks the CD for routinely promoting the REAP Program, as well as DEP's Small Business Advantage Grants, 319 grants, Growing Greener and NRCS's EQIP. (6 of 8)
  6. Although the CD was not able to complete 100% of their NM Status Reviews during the evaluation period, they are to be thanked for performing as many as they did, despite all the restrictions brought on by the COVID-19 pandemic. The CD is reminded that going forward if they are not able to meet their obligation of performing status reviews on all their CAOs and CAFOs, they will need to work out an alternative approach with the SCC. (1 of 8)
  7. The CD is reminded that along with the completed Status Review form, they also need to send the cover letter found in Chapter 6 of the Nutrient Management Administrative Manual. (1 of 8)
  8. DEP acknowledges and appreciates the CD's prompt submission of their quarterly reports to the Department for both the Act 38 and Chapter 91 Programs. (1 of 8)
  9. The CD is doing a good job of implementing the technical aspects of the NM program; getting caught up with status reviews and keeping up with compliance letters, etc. (2 of 8)
  10. The CD is doing a god job of maintaining organized NMP files including keeping good file notes. (5 of 8)
  11. The CD is encouraged to hold an annual coordination meeting concerning Act 38 NM education and outreach with other cooperating agencies and organizations. (1 of 8)
  12. The CD is reminded to sponsor or participate in a minimum of two (2) formal Act 38 NM and three (3) Chapter 91 outreach activities and/or educational programs per fiscal year.(1 of 8)
  13. The CD is reminded to develop a minimum of three (3) informal Act 38 NM and two (2) Chapter 91 informational education efforts per fiscal year. (1 of 8)
  14. The CD is very active in assisting operators with MMP and Ag E&S development. (4 of 8)
  15. CD is doing a good job of implementing the NM Program and keeping up with status reviews. (2 of 8)
  16. The CD is reminded that when reviewing Act 49 NBSs to use the sample review comments letter and acknowledgement letter from the Administrative Manual for correspondence with the manure brokers. (1 of 8)
  17. The CD is encouraged to perform more thorough NMP reviews to ensure that all plans fully meet the regulations and all current planning standards. (1 of 8)
  18. The CD is reminded that the administratively complete date on the NMP cover page should be consistent with the date on the non-final form stamp. (2 of 8)

19. The CD is reminded to list the NMP version number on the non-final form stamp on the NMP cover page. (2 of 8)
20. The CD is reminded to always date the final form stamp on the NMP cover page at least 7 days prior to the date of the board meeting that the NMP will be acted on. (2 of 8)
21. The CD is active in assisting operators with MMP development.(1 of 8)
22. In answering the question: At what stage [of compliance] does your district get the SCC regional coordinator involved, the CD responded that they would get their SCC regional coordinator involved after all efforts and options are given, after the Board of directors approve that a referral is needed. The SCC would like to redirect the CD, noting that the SCC's policy is for CDs to get their SCC regional coordinator involved as soon as noncompliance appears to be a possibility (whenever a second letter becomes necessary), and not wait until all options for gaining compliance are exhausted. In doing so the hope is to help avoid enforcement altogether. (2 of 8)
23. The CD should review the reciprocal agreement with the neighboring county. (1 of 8)
24. The CD should continue to cultivate relationship with other partner agencies in the county. (1 of 8)
25. The CD should continue the use of the Con 6/ NM file note system. (1 of 8)
26. The CD should review the Chapter 91 record retention policy as outlined in the NM administrative manual. (1 of 8)
27. The CD is reminded that in the future any formal correspondence (e.g., NMP review letters & inspection reports) regarding CAFOs should also include cc's to appropriate DEP staff. Emailing cc's to DEP staff is acceptable. (2 of 8)
28. The CD is reminded to send formal written letters to all operators after each inspection. If non-compliance issues are noted, then timeframes should be included for the operator to gain compliance. If compliance was determined, then the formal letter should indicate operation compliance. (2 of 8)
29. The CD is reminded that consultants trained for MMP purposes do not need to be certified Nutrient Management Specialists, and any individual trained/reached that is involved in MMP writing, regardless of certification status, would meet this requirement. (3 of 8)
30. The CD needs to prioritize completing yearly status reviews for regulated operations (CAO/CAFO) (1 of 8)
31. The CD needs to prioritize tracking CAO/CAFO plans, especially plan amendments and triennial reviews within the timelines outlined in Chapter 4 of the Nutrient Management Administrative manual. (1 of 8)
32. The CD needs to send reminder letter as outlined in Chapter 4 of the Nutrient Management Administrative manual. (1 of 8)
33. The CD need to track program deadlines / operator follow-up using an electronic or hard copy calendar. (1 of 8)
34. The CD should continue to use PracticeKeeper to report information as required by the delegation agreement. (1 of 8)

**Below are highlights of conservation district comments (number of times)**

1. The CD feels they need to do better with status reviews and BMP extension request letters. (1 of 8)



2. The CD offers that horse farm operators are often difficult to work with, and they feel like they are penalized for being "caught as a CAO" where other horse farms do not have NMPs. Equine operators are not willing to turn other horse farms in, but it is a sentiment that is expressed often. (1 of 8)
3. When asked of their farmers' receptiveness to the Act 38 Program, the CD offers that all their CAOs are equine operations, and they see the program as a nuisance. (1 of 8)
4. In considering their educational or training needs, the CD shared:
  - a. Sometimes the trainings can be very broad brush without context. Perhaps incorporating an actual plan (with site photos) and reviewing a nuance or challenge of the plan and how it was overcome by the District/SCC would be helpful. (1 of 8)
  - b. An actual plan could be more helpful than just reiterating what the manual already says. NRCS's "story from the field" is a good example. Pictures / maps could also help. (1 of 8)
  - c. NM [certification] Training was entirely too cookie cutter. The CD completely understands that not everything can be covered but adding an uncommon situation that NMSs may come across would be beneficial. (1 of 8)
  - d. The CD understands the plan reviewed [for certification] needs to meet a certain level of complexity but suggest possibly easing up on the plan complexity requirement at least for the first review. (1 of 8)
5. In answering the question, do you received adequate support from state staff in reviewing plans, the CD shared that they do from the SCC, but really doesn't lean on DEP for NMP/NBS support. (1 of 8)
6. Concerning ways state staff can help with outreach efforts, the CD shares that they are not aware of any additional materials that would be needed but do add that a species-specific picture book of manure management before & after photos could be helpful. The CD has developed their own informal picture book for horse farms that staff use often. (1 of 8)
7. The CD offers that the most common compliance issue they deal with is horse manure storage issues and runoff from horse ACAs. (1 of 8)
8. The CD appreciates the SCC being a responsive go-to resource for new technicians with questions and to spend time in the field providing OJT, etc. (2 of 8)
9. The CD finds the NM/MM Program Evaluation process valuable as a good reminder of the things the CD should be doing to meet the delegation agreement requirements. (1 of 8)
10. The CD is appreciative that the SCC Regional Coordinator is readily available to assist when needed.(2 of 8)
11. The CD would like to be provided with more pre-designed newspaper or social media ads. (1 of 8)
12. The CD would like to be provided with a sample spreadsheet for keeping track of NMPs and compliance deadlines, etc. (1 of 8)
13. The CD is concerned that brokered poultry manure is coming into the county without the required NBSs. (1 of 8)
14. The CD would like to be provided identification badges for performing site visits, inspections, complaint investigations, etc. (1 of 8)

15. The CD suggests that access to a list of Ag operations in the county would be helpful. (1 of 8)
16. When asked of their farmers' receptiveness to the Act 38 Program, the CD offers that Farmers understand that in order to operate their operations they must have a Nutrient Management Plan and abide by the rules and regulations within the Act-38 Program. (1 of 8)
17. In considering what ways state staff could help with outreach, as well as, training needs, the CD shared that since Odor Management outreach is part of the Delegation Agreement, enough OM training to be able to answer basic questions would be helpful. (1 of 8)
18. In response to the question of what the SCC can do to make the program less intimidating to farmers, especially potential non-CAFO VAOs, the CD suggests more emphasis should be placed on the limited liability protection that comes with an approved Act 38. The CD offers that most operators are not aware of the limited liability, so examples of how this played out could be beneficial. (1 of 8)
19. The CD would like to see a more detailed table of contents with page numbers in both the NM technical and administrative manuals. (1 of 8)
20. The CD would like to see the format of the NM plan checklist change to an excel file. (1 of 8)
21. The CD feels there is less interaction/participation with NRCS at district functions which they feel could lead to less knowledge and implementation of funding due to lack of communication. (1 of 8)
22. The CD feels that the workload potential, especially in MM operations, is underrepresented in the funding formula for this position. (1 of 8)
23. The CD expressed concern that NMP reminder letter process should begin earlier in the year. CD staff is reminded that these letters may be sent earlier, but no later than the dates set by the administrative manual. (1 of 8)
24. The CD would like more training on Act 38 program administration. (1 of 8)
25. The CD would like more training on Act 38 plan review. (1 of 8)
26. The CD would like more training on complaint handling. (1 of 8)
27. The CD would like to see some basic Act 38 training for BOD members (e.g., what BOD members should be looking at when an NMP is presented to them for action and what concerns are Act 38 vs. non-Act 38 issues). (1 of 8)
28. The CD expressed concern that there needs to be better follow up from DEP on long-term non-compliant Chapter 91 operations. (2 of 8)
29. The CD expressed concern regarding program funding. The CD previously had a 3/4 position funding but was reduced to a 1/2 position funding. CAO & CAFO plans in this county encompass a lot of acreage (either for the operator or the importers) that requires significant review time.(1 of 8)
30. The CD expressed that handout materials are pretty much useless towards outreach efforts as farmers do not take them. (1 of 8)
31. The CD suggests SCC hold more refresher courses and update trainings. (1 of 8)
32. The CD suggests SCC come up with better naming convention for NM Adm Manual Chapter 4 compliance letters. (1 of 8)
33. The CD suggests SCC/DEP update the PracticeKeeper database to allow for GIS shape file uploads for operators, which could save time mapping operations. (1 of 8)

34. The CD suggests SCC staff could be more involved in helping provisionally certified NMSs locate plans to meet plan review and plan writing requirements. CD stated that they feel this will be less of a concern moving forward with new SCC Regional Coordinator in the northeast. (1 of 8)
35. The CD would like to see trainings/workshops held by other CDs presenting successfully implemented projects from start to finish with details on how they brought multiple funding sources and agencies together to make projects successful. This would be an excellent learning experience for smaller districts to learn from others who have been successful in the past. (1 of 8)
36. The CD questioned if the handling of eggshell complaints would fall under Act 38 OM regulations. SCC and DEP clarified that this would fall under Food Processing Residual (FPR) regulations and would fall under the jurisdiction of DEP to handle any complaints. (1 of 8)
37. The CD formally requests that the SCC review the funding level based on changes in the number of and types of regulated operations in the county. (1 of 8)
38. The CD recommends review of the NM Exam to make sure exam questions are in line with material presented during training. (1 of 8)



**COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION**

**DATE:** December 13, 2021

**TO:** Members  
State Conservation Commission

**FROM:** Frank X. Schneider, Director  
Nutrient and Odor Management Programs

**SUBJECT:** Calendar Year 2021 Nutrient Management Plan Data

Attached is the most recent Nutrient Management Plan (NMP) approval data for Calendar year 2021 (up to December 13, 2020). I would like to thank Brady Seeley for developing this report based on the data submitted by the delegated conservation districts.

The report shows that there is a total of 1,232 Pennsylvania farms that have NMPs approved for their operations. These approved operations have a net total of 248,236 acres under plan, which does not include the acres of importing farms with developed Nutrient Balance Sheets (NBS).

The last report given to the commission was on January 6, 2021. This report, when compared to the 2020 report, shows an decrease of 69 operations with approved NMPs, and a decrease of 13,292 planned acres on these farms.

ATTACHMENT

Calendar Year 2021  
Active Act 38 NMPs up to 12/31/21

| County         | CAOs   | Acres     | VAOs   | Acres     | CAFO/CAO | Acres     | CAFO/VAO | Acres      |
|----------------|--------|-----------|--------|-----------|----------|-----------|----------|------------|
| ADAMS          | 14.00  | 404.25    | 2.00   | 360.50    | 8.00     | 4,630.90  | 4.00     | 4,599.30   |
| ALLEGHENY      | 6.00   | 42.69     | 1.00   | 2,278.00  | 0.00     | 0.00      | 0.00     | 0.00       |
| ARMSTRONG      | 0.00   | 0.00      | 4.00   | 2,426.90  | 0.00     | 0.00      | 0.00     | 0.00       |
| BEAVER         | 1.00   | 42.43     | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| BEDFORD        | 1.00   | 13.10     | 0.00   | 0.00      | 7.00     | 1,530.90  | 2.00     | 772.00     |
| BERKS          | 32.00  | 1,901.15  | 10.00  | 1,389.10  | 34.00    | 3,055.20  | 10.00    | 5,261.53   |
| BLAIR          | 4.00   | 131.30    | 6.00   | 1,169.90  | 0.00     | 0.00      | 4.00     | 11,132.20  |
| BRADFORD       | 1.00   | 5.10      | 2.00   | 1,152.60  | 9.00     | 1,741.50  | 1.00     | 1,472.00   |
| BUCKS          | 11.00  | 136.35    | 3.00   | 837.40    | 0.00     | 0.00      | 0.00     | 0.00       |
| BUTLER         | 3.00   | 24.67     | 2.00   | 317.69    | 0.00     | 0.00      | 0.00     | 0.00       |
| CAMBRIA        | 0.00   | 0.00      | 1.00   | 210.50    | 0.00     | 0.00      | 0.00     | 0.00       |
| CARBON         | 1.00   | 2.52      | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| CENTRE         | 16.00  | 244.68    | 0.00   | 0.00      | 1.00     | 1,173.00  | 1.00     | 1,696.60   |
| CHESTER        | 12.00  | 493.87    | 0.00   | 0.00      | 8.00     | 1,762.20  | 4.00     | 3,510.30   |
| CLARION        | 1.00   | 10.51     | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| CLEARFIELD     | 3.00   | 131.25    | 6.00   | 819.50    | 0.00     | 0.00      | 0.00     | 0.00       |
| CLINTON        | 21.00  | 543.88    | 0.00   | 0.00      | 2.00     | 394.50    | 2.00     | 5,429.10   |
| COLUMBIA       | 2.00   | 22.30     | 0.00   | 0.00      | 4.00     | 2,817.90  | 1.00     | 762.50     |
| CRAWFORD       | 0.00   | 0.00      | 6.00   | 867.62    | 1.00     | 413.10    | 2.00     | 5,889.00   |
| CUMBERLAND     | 9.00   | 238.85    | 4.00   | 395.10    | 5.00     | 1,883.50  | 6.00     | 3,150.39   |
| DAUPHIN        | 16.00  | 779.44    | 0.00   | 0.00      | 11.00    | 928.80    | 0.00     | 0.00       |
| ELK            | 0.00   | 0.00      | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| ERIE           | 0.00   | 0.00      | 2.00   | 1,116.10  | 1.00     | 237.40    | 0.00     | 0.00       |
| FAYETTE        | 0.00   | 0.00      | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| FRANKLIN       | 19.00  | 619.73    | 4.00   | 1,284.19  | 21.00    | 3,425.33  | 13.00    | 14,047.30  |
| FULTON         | 4.00   | 90.50     | 0.00   | 0.00      | 9.00     | 1,960.90  | 0.00     | 0.00       |
| GREENE         | 1.00   | 29.00     | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| HUNTINGDON     | 1.00   | 3.80      | 6.00   | 4,555.58  | 9.00     | 3,541.90  | 2.00     | 3,096.30   |
| INDIANA        | 1.00   | 2.50      | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| JEFFERSON      | 5.00   | 163.17    | 2.00   | 1,052.70  | 0.00     | 0.00      | 0.00     | 0.00       |
| JUNIATA        | 35.00  | 1,415.83  | 4.00   | 1,216.52  | 7.00     | 345.53    | 5.00     | 4,589.22   |
| LACKAWANNA     | 0.00   | 0.00      | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| LANCASTER      | 188.00 | 7,362.84  | 7.00   | 849.40    | 86.00    | 21,341.77 | 23.00    | 12,032.10  |
| LAWRENCE       | 1.00   | 10.70     | 1.00   | 1,067.60  | 0.00     | 0.00      | 0.00     | 0.00       |
| LEBANON        | 63.00  | 2,433.23  | 5.00   | 1,071.70  | 32.00    | 3,596.31  | 3.00     | 2,724.70   |
| LEHIGH         | 2.00   | 93.00     | 0.00   | 0.00      | 1.00     | 34.80     | 1.00     | 9,448.70   |
| LUZERNE        | 2.00   | 50.20     | 0.00   | 0.00      | 2.00     | 319.20    | 0.00     | 0.00       |
| LYCOMING       | 12.00  | 255.54    | 2.00   | 213.30    | 2.00     | 599.00    | 1.00     | 700.00     |
| MCKEAN         | 0.00   | 0.00      | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| MERCER         | 0.00   | 0.00      | 1.00   | 280.80    | 0.00     | 0.00      | 0.00     | 0.00       |
| MIFFLIN        | 14.00  | 1,318.05  | 1.00   | 79.00     | 8.00     | 1,101.50  | 1.00     | 776.10     |
| MONROE         | 6.00   | 161.33    | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| MONTGOMERY     | 2.00   | 76.80     | 0.00   | 0.00      | 1.00     | 12.90     | 0.00     | 0.00       |
| MONTOUR        | 4.00   | 94.23     | 0.00   | 0.00      | 3.00     | 667.20    | 0.00     | 0.00       |
| NORTHAMPTON    | 1.00   | 61.00     | 1.00   | 126.70    | 0.00     | 0.00      | 0.00     | 0.00       |
| NORTHUMBERLAND | 14.00  | 755.35    | 2.00   | 487.84    | 3.00     | 128.37    | 5.00     | 4,144.83   |
| PERRY          | 12.00  | 533.44    | 4.00   | 1,746.13  | 12.00    | 2,130.60  | 4.00     | 3,439.23   |
| PIKE           | 0.00   | 0.00      | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| PHILADELPHIA   | 2.00   | 9.01      | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| POTTER         | 0.00   | 0.00      | 2.00   | 255.83    | 0.00     | 0.00      | 3.00     | 3,251.50   |
| SCHUYLKILL     | 9.00   | 586.23    | 1.00   | 172.90    | 10.00    | 958.00    | 3.00     | 2,764.70   |
| SNYDER         | 53.00  | 2,094.05  | 5.00   | 2,322.65  | 13.00    | 1,954.18  | 3.00     | 1,354.80   |
| SOMERSET       | 0.00   | 0.00      | 0.00   | 0.00      | 1.00     | 2.80      | 7.00     | 7,844.40   |
| SULLIVAN       | 0.00   | 0.00      | 0.00   | 0.00      | 1.00     | 73.10     | 0.00     | 0.00       |
| SUSQUEHANNA    | 0.00   | 0.00      | 1.00   | 263.00    | 0.00     | 0.00      | 0.00     | 0.00       |
| TIOGA          | 2.00   | 177.46    | 4.00   | 2,214.70  | 7.00     | 2,667.70  | 1.00     | 1,582.10   |
| UNION          | 34.00  | 1,204.43  | 3.00   | 375.60    | 9.00     | 2,892.62  | 0.00     | 0.00       |
| VENANGO        | 0.00   | 0.00      | 2.00   | 309.00    | 0.00     | 0.00      | 0.00     | 0.00       |
| WARREN         | 0.00   | 0.00      | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| WASHINGTON     | 1.00   | 168.00    | 5.00   | 773.50    | 1.00     | 134.40    | 0.00     | 0.00       |
| WAYNE          | 1.00   | 22.10     | 1.00   | 244.70    | 0.00     | 0.00      | 0.00     | 0.00       |
| WESTMORELAND   | 0.00   | 0.00      | 4.00   | 2,261.05  | 0.00     | 0.00      | 0.00     | 0.00       |
| WYOMING        | 1.00   | 5.70      | 0.00   | 0.00      | 0.00     | 0.00      | 0.00     | 0.00       |
| YORK           | 11.00  | 348.80    | 1.00   | 296.50    | 16.00    | 1,388.64  | 2.00     | 743.13     |
| Totals         | 655.00 | 25,314.36 | 118.00 | 36,861.80 | 345.00   | 69,845.65 | 114.00   | 116,214.03 |

|               |                |               |                |
|---------------|----------------|---------------|----------------|
| Total CAO Num | Total CAO Acre | Total VAO Num | Total VAO Acre |
| 1,000.00      | 95,160.01      | 232.00        | 153,075.83     |



**COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION**

DATE: December 23, 2021

TO: State Conservation Commission Members

FROM: Frank X. Schneider, Director  
Nutrient and Odor Management Programs

THROUGH: Karl G. Brown  
Executive Secretary

RE: Nutrient and Odor Management Programs Report

The Nutrient and Odor Management Program Staff of the State Conservation Commission offer the following report of measurable results for the time-period of November / December 2021.

For the months of November and December 2021, staff and delegated conservation districts have:

1. Reviewed and approved 125 Nutrient Management (NM) Plans in the 4<sup>th</sup> quarter of 2021.
  - a. Those approved NM plans covered 27,482 acres
  - b. Those approved NM plans included 72,487 Animal Equivalent Units (AEUs), generating 984,968 tons of manure.
2. Odor Management Plans:
  - a. 7 OMPs in the review process
  - b. 11 OMPs Approved
  - c. 0 OMP approvals Rescinded
3. Managing nine (9) ACTIVE enforcement or compliance actions, currently in various stages of the compliance or enforcement process. Monitoring an additional six (6) other cases of enforcement / compliance / interest.
4. Continue to daily answer questions for NMP and OMP writers, NMP reviewers, delegated Conservation Districts, and others.
5. Assisted DEP with various functions and as workgroup members in Federal and State settings for the Chesapeake Bay Program.
6. Continue to preliminary review of the regulations for:
  - a. Act 38
  - b. Act 49
  - c. NM Certification
  - d. OM Certification

7. Workgroup of agencies and CDs to develop the Required Output Measures (ROMs) and a workload analysis for the next 5-year NM/MM delegation agreement.
8. Worked with DEP to transfer the next NM/MM delegation agreement to the E-Grants submission process.
9. Developed OMP compliance strategy



**COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION**

**DATE:** January 4, 2022

**TO:** Members  
State Conservation Commission

**FROM:** Karl J. Dymond  
State Conservation Commission *KJ Dymond*

**SUBJECT:** January 2022 Status Report on Facility Odor Management Plan Reviews

**Detailed Report of Recent Odor Management Plan Actions**

In accordance with Commission policy, attached is the Odor Management Plans (OMPs) actions report for your review. No formal action is needed on this report unless the Commission would choose to revise any of the plan actions shown on this list at this time. This recent plan actions report details the OMPs that have been acted on by the Commission and the Commission's Executive Secretary since the last program status report provided to the Commission at the November 2021 Commission meeting.

**Program Statistics**

Below are the overall program statistics relating to the Commission's Odor Management Program, representing the activities of the program from its inception in March of 2009, to December 31, 2021.

The table below summarizes approved plans grouped by the Nutrient Management Program Coordinator areas.

|                    | Central | NE/NC | SE/SC | West | Totals |
|--------------------|---------|-------|-------|------|--------|
| 2009               | 7       | 6     | 28    | 1    | 42     |
| 2010               | 5       | 7     | 25    | 2    | 39     |
| 2011               | 10      | 12    | 15    | 2    | 39     |
| 2012               | 9       | 17    | 16    | 2    | 44     |
| 2013               | 10      | 11    | 38    | 3    | 62     |
| 2014               | 13      | 16    | 44    | 2    | 75     |
| 2015               | 15      | 15    | 61    | 2    | 93     |
| 2016               | 19      | 16    | 59    | 5    | 99     |
| 2017               | 25      | 24    | 44    | 3    | 96     |
| 2018               | 14      | 13    | 40    | 1    | 68     |
| 2019               | 12      | 11    | 14    |      | 37     |
| 2020               | 9       | 11    | 41    | 1    | 62     |
| 2021               | 15      | 15    | 30    | 1    | 61     |
| <b>Total</b>       | 163     | 174   | 455   | 25   |        |
| <b>Grand Total</b> |         |       |       |      | 817    |

As of December 31, 2021, there are eight hundred and seventeen **approved** plans and/or amendments, nine plans have been **denied**, twelve plans/ amendments have been **withdrawn** without action taken, eighty-seven plans/ amendments were **rescinded**, and eight plans/ amendments are going through the **plan review process**.





**COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION**

**DATE:** December 13, 2021

**TO:** Members  
State Conservation Commission

**FROM:** Frank X. Schneider, Director  
Nutrient and Odor Management Programs

Kathryn Bresaw  
DEP, Bureau of Clean Water

**SUBJECT:** Calendar Year 2021 Chapter 91 Activities

Below is a summary of the Chapter 91 education, outreach, and compliance activities performed by delegated county conservation districts during calendar year 2021.

DEP collects data, on a quarterly basis, on the Manure Management (Chapter 91.36) requirements that were added to the Nutrient Management and Manure Management Delegation Agreements in July 2012.

In calendar year 2021, delegated conservation districts performed the following activities in regards to Manure Management.

- 375 MMP outreach events (does not include any Act 38 only outreach activities)
- 44,423 MMP outreach contacts (does not include any Act 38 only outreach activities)
- 1,683 MMP outreach consultant contacts (does not include any Act 38 only outreach activities)
- 135 MMP training events
- 1,669 farmers reached at MMP training events
- 128 consultants reached at MMP training events.
- 61 Chapter 91 complaints processed
- 31 instances of Chapter 91 complaints compliance required
- 7 Chapter 91 complaints compliance issues referred to DEP

Please note that delegated conservation district have until January 25, 2022 to report 2021 fourth quarter activities, so a few instances may be missed.



**COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION**

DATE: December 21, 2021

TO: State Conservation Commission Members

FROM: Brady Seeley, Conservation Program Specialist  
Nutrient and Odor Management Programs

THROUGH: Karl G. Brown  
Executive Secretary

RE: Nutrient Management Plan Update Report: R&F Family Farms – Northumberland County

I have completed my review of the R&F Family Farms Nutrient Management Plan (NMP) Update which was submitted by Jedd Moncavage of TeamAg, Inc. on November 8, 2021. This update is for the NMP that includes crop years 2021 through 2023.

The original NMP for R&F Family Farms, an existing swine operation located in Northumberland County, was approved on November 10, 2020. The operation is home to 11,790 finishing swine. This operation has 0 acres suitable for manure application. This operation, having an animal density of 1,865.4 AEUs/acre is defined as a Concentrated Animal Operation (CAO) under the PA Nutrient Management Act. The operation is considered a Concentrated Animal Feeding Operation (CAFO) by the Department of Environmental Protection (DEP).

This NMP update is categorized as a Simple Update. After my review, I deemed the update to be technically complete and have notified the plan writer and operator that the update has been accepted.

No Commission action is required for NMP updates.



COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION

January 10, 2022

To: Members  
State Conservation Commission

From: Johan E. Berger, Director  
Financial Assistance, Policy, Certification & Conservation District Programs

RE: AgriLink Program Update

Treasurer Stacy Garrity and Secretary of Agriculture Russell Redding recently announced the relaunch of the Agriculture Linked (Agri-Link) Investment Program on December 20, 2021 (Press release attached).

With the relaunch of the AgriLink Program, the Pa Treasury has released a block of \$2.5 million in loans and the State Conservation Commission will subsidize an interest rate reduction of 3.0% on that block of AgriLink Program funds to reduce the interest rate to the farmer. The subsidized 3% interest rate reduction, can be applied toward the current market rate on a loan issued by a participating lender. For example, if a borrower would ordinarily qualify for a loan at 5.5% interest rate through a commercial lender, the interest rate through the AgriLink Program would be 2.5%.

The AgriLink Program, amended under Act 37 of 2019 provides the opportunity for low-interest loans to Pennsylvania agriculture operations implementing conservation best management practices (BMPs) listed in approved Act 38 nutrient management plans, Chapter 91 manure management plans, agricultural Erosion and Sedimentation plans (Ag E&S) or conservation plans. The relaunch of the AgriLink Program incorporates several significant changes, including a maximum loan amount of \$250,000 and a maximum term of 12-years.

The AgriLink Program is administered by the Pa Treasury, in collaboration with the Commission to provide a true low -interest loan for farmers through eligible commercial lenders (an eligible state depository) or an office of the Farm Credit Service such as AgChoice or MidAtlantic Farm Service. It is the intent of the AgriLink Program to offer a low-interest loan alternative if a conventional loan is not practical for the farmer.

An eligible farmer must have developed an approved Act 38 nutrient management plan or a manure management plan or an agricultural erosion and sedimentation plan or other Commission-approved Federal or State conservation program or approved best management practice to take advantage of an AgriLink Program low interest loan.

- The loan maybe structured as a construction loan.

- The amount of the loan is based on eligible costs submitted by the farmer (borrower) for an approved project.
- A single loan awarded to an eligible borrower may not exceed \$250,000.
- The term of the loan may not exceed 12 years.

The Pa Treasury and the State Conservation Commission held several introductory webinars on the AgriLink Program for commercial lenders, Farm Credit Services offices, and county conservation Districts. The webinars provided general information (farmer eligibility) and the roles that commercial lenders, the Farm Credit Service, and conservation districts may serve as those organization assist farmers in program participation. Information on the AgriLink Program may be found on the Commission's webpage

[https://www.agriculture.pa.gov/Plants\\_Land\\_Water/StateConservationCommission/Pages/Agriculture-linked-Low-Interest-Loan-Program-.aspx](https://www.agriculture.pa.gov/Plants_Land_Water/StateConservationCommission/Pages/Agriculture-linked-Low-Interest-Loan-Program-.aspx)



## NEWS RELEASE

[Home \(/\)](#) / [Newsroom \(/newsroom/\)](#)



20 December, 2021 / By Samantha Galvez / [sgalvez@patreasury.gov](mailto:sgalvez@patreasury.gov) (mailto:sgalvez@patreasury.gov) /

## **Agri-Link Investment Program Relunched (</newsroom/archive/2021/12-20-Agri-Link.html>)**

### ***Low-interest loan program supports agriculture best management practices***

**Harrisburg, PA** - Treasurer Stacy Garrity, Secretary of Agriculture Russell Redding, Rep. Rich Irvin, and the chairs of the Senate and House Agriculture & Rural Affairs Committees today announced the relaunch of the Agriculture Linked (Agri-Link) Investment Program. The program offers low-interest loans to Pennsylvania agriculture operations implementing best management practices (BMPs).

They were joined in the announcement by representatives of the agricultural community and the four chairs of the legislative committees with oversight of agricultural issues.

**“Giving our farmers access to these affordable loans once again will help sustain agriculture operations in every corner of the Commonwealth. Agriculture is one of the biggest drivers of our state’s economy, and this support will allow farmers to implement new and innovative best practices.”**

**– Pennsylvania State Treasurer, Stacy Garrity**

**“How Pennsylvanians farm today has a powerful impact on our ability to feed a growing population tomorrow. Measures to improve soil and water and keep our streams clean and our farms growing come at a substantial cost to farmers. We are pleased to subsidize reduced interest rates through Agri-Link and the other PA Farm Bill investments that support the future vitality of our industry and our economy.”**

**– Secretary of Agriculture Russell Redding**



**“Our farmers work hard to feed our nation, and they do so while navigating many complex regulations and mandates. I am happy to see Agri-Link relaunched to help provide financial assistance to those farmers who want to follow established best management practices but lack the funds for implementation.”**

*– Representative Rich Irvin, author of the bill that re-established the program*

**“PennAg members and agriculture across the Commonwealth are pleased to see the resurrection of the Agri-Link program. Treasurer Garrity has been on the job less than a year and has quickly proven her commitment to Pennsylvania agriculture. I also applaud Rep. Irvin, the General Assembly, and the Department of Agriculture for their hard work in bringing back Agri-Link.”**

*– Christian Herr, Executive Vice President of PennAg Industries Association*

**“Programs that help farmers finance conservation improvements enable us to do even more to protect the land, local waterways and other natural resources. Farmers are leaders in environmental stewardship and want to build upon our efforts. But few farms have the resources available to pay for these initiatives on their own. Public investments in farm conservation play a crucial role in helping farmers make improvements that benefit both our farms and our communities.”**

*– Rick Ebert, President of the Pennsylvania Farm Bureau*

**“Recognizing the important role that Pennsylvania’s farming community – as the Commonwealth’s top industry – plays in our state and local economies, we came together in a bipartisan manner to pass the Pennsylvania Farm Bill (Act 39 of 2019). The Agri-Link Program provides targeted financial support for efforts to improve or expand best management practices (BMPs) on farms across the state. These low-interest loans provide a short-term boost to these farms that hopefully will result in long term-benefits for agriculture in Pennsylvania and our state’s economic future.”**

*– Senator Elder Vogel, Chairman of the Senate Agriculture and Rural Affairs Committee*



**“Pennsylvania farmers care about the environment. Low-interest loans will help provide farmers much needed assistance to implement best management practices, which benefits all of us. I’m very grateful to Treasury for recognizing the value of Agri-Link and bringing it back to the Commonwealth. It’s a tremendous resource for our farmers.”**

**— Senator Judy Schwank, Democratic Chairman of the Senate Agriculture and Rural Affairs Committee**

**“I am pleased Pennsylvania farmers will soon have this important tool available to help them implement their farm conservation management plans. These conservation measures are essential, yet they represent a significant cost to our farmers. Agri-Link loans will provide farmers the low-interest funding they need.”**

**— Representative Dan Moul, Chairman of the Pennsylvania House Agriculture and Rural Affairs Committee**

**“The re-launch of the Agri-Link program is excellent news for thousands of Pennsylvania’s small farmers and producers who are committed to utilizing best practices to keep our families fed. I was proud to support improvements to this program in the historic 2019 PA Farm Bill because our agricultural operations often operate on slim margins, making investments in improvements more difficult. By relieving the burden of the interest from private loans to implement best practices, Agri-Link is critical to ensure Pennsylvania’s agricultural producers continue to enhance their operations and provide the highest-quality food and products.”**

**— Representative Eddie Day Pashinski, Democratic Chairman of the House Agriculture and Rural Affairs Committee**

Agri-Link is open to farmers in all 67 counties and offers low-interest loans up to \$250,000 with terms no longer than 12 years. More information is available on the Agri-Link page on the Department of Agriculture’s website.

([https://www.agriculture.pa.gov/Plants\\_Land\\_Water/StateConservationCommission/Pages/Agriculture-linked-Low-Interest-Loan-Program--.aspx](https://www.agriculture.pa.gov/Plants_Land_Water/StateConservationCommission/Pages/Agriculture-linked-Low-Interest-Loan-Program--.aspx))





The agriculture industry directly employs more than 300,000 Pennsylvanians and supports nearly 300,000 other jobs statewide. Agriculture operations across the state have a total economic impact of \$132.5 billion.

A previous version of Agri-Link was discontinued more than a decade ago. The program was re-established by Act 37 of 2019 (<https://www.legis.state.pa.us/cfdocs/legis/li/uconsCheck.cfm?yr=2019&sessInd=0&act=37>), and allows the State Conservation Commission (SCC) at the Department of Agriculture to subsidize qualifying loans. The subsidy is funded by an annual appropriation from the General Assembly for payments to offset interest rates. The current appropriation is \$500,000. Treasury will pay the lending institution the full value of the qualifying Agri-Link loan. The borrower's interest rate is reduced by a subsidy provided by the SCC. Borrowers pay back principal and interest to their lenders, and Treasury is paid principal and interest every six months over the life of the loan by the depository institution.


Those interested in applying for the program can do so through their local lending institution or a Farm Credit Service institution. County conservation districts and the SCC review applicants' projects to determine whether they meet Act 37 criteria. To be eligible, borrowers must have BMP projects included in an approved nutrient management, manure management, agricultural erosion and sedimentation, or other SCC-approved federal or state conservation plans.

**Media contacts:**

Samantha Galvez, Treasury Press Secretary, 717-418-0206 or [sgalvez@patreasury.gov](mailto:sgalvez@patreasury.gov) (<mailto:sgalvez@patreasury.gov>)

Shannon Powers, Dept. of Agriculture Press Secretary, 717-603-2056, [shpowers@pa.gov](mailto:shpowers@pa.gov) (<mailto:shpowers@pa.gov>)

Share on Social Media 

 (<https://www.facebook.com/sharer/sharer.php?u=http%3A%2F%2Fwww.patreasury.gov%2Fnewsroom%2Farchive%20-Agri-Link.html&src=sdkpreparse>)

 (<https://twitter.com/intent/tweet?text=Hello%20world>)

**ARCHIVED**



COMMONWEALTH OF PENNSYLVANIA  
STATE CONSERVATION COMMISSION

January 10, 2022

To: Members  
State Conservation Commission

From: Johan E. Berger, Director  
Financial Assistance, Policy, Certification & Conservation District Programs

RE: Conservation Excellence Grant Program

The CEG Program, created under the 2019 PA Farm Bill, has been active since July 2020 beginning with the distribution of \$2.5 million in funding to the Lancaster and York county conservation districts through a delegation agreement for administration and implementation of the program. Both Lancaster and York counties are identified as Tier1 counties by DEP in Pennsylvania's Chesapeake Bay Phase 3 Watershed Implementation Plan (ChesBay Phase III WIP) and thus were priority counties for implementation of the CEG Program.

Subsequently, five Tier 2 counties, Bedford, Centre, Cumberland, Franklin, and Lebanon counties have been integrated into the CEG Program

- Table 1. CEG Program Allocation Summary illustrate the current funding of the seven county conservation districts as of January 1, 2022. The Commission was awarded a sub-grant of funds (\$3.848 million) as part of DEP's *Chesapeake Bay Implementation Grant Program* for expansion of the CEG Program in Tier 2 counties identified in the ChesBay Phase III WIP. State funding provide through the Nutrient Management Fund has allowed the expansion of the CEG Program into Bedford, Centre and Lebanon counties and further provided supplemental funding to Cumberland, Franklin, Lancaster, and York counties. To-date, over \$10.348 million dollars has been allocated to conservation districts (CEG Program) and the LFT (public-private partnership project) from state and federal funding resources.
- Public-Private Partnership – Lancaster Farmland Trust (LFT) has been engaged in a \$1.154 million grant agreement since January 1, 2021 for a project to develop a public-private partnership model that will utilize CEG's financial bundling (grants, tax credits and loans) for the implementation of best management practices mimicking the CEG Program in Salisbury Township, Lancaster county. LFT is currently working with 4 project sites to complete Heavy Use Area Protection and Animal Waste Storage systems. LFT anticipates expanding its funding support to several more project sites before completion of the grant agreement.

- CEG Program activities - Table 2- Application and Project data – Conservation Excellence Grant Program illustrates the status of project applications received by participating districts and the status of grants/projects. Over \$5.108 million in program funds have been committed to grant projects by conservation districts and over \$735,000 in payments to farmers for BMP implementation have been completed.
- Participating conservation districts are actively engaged in individual contacts with farmers, public outreach through the district websites and newsletters and press release through local news media, and application acceptance and review activities in the program.

**State Conservation Commission**  
**Table 1 - CEG Program Allocation Summary**  
(REV. 7-26-21)

| <b>Entity</b>                  | <b>FY 2019-20</b>  | <b>FY2020-21</b>   | <b>FY 2021-22</b>  | <b>CBIG Sub Award</b> | <b>Total</b>           |
|--------------------------------|--------------------|--------------------|--------------------|-----------------------|------------------------|
| Bedford CD                     | -0-                | \$750,000          | \$250,000          | -0-                   | \$1,000,000            |
| Centre CD                      | -0-                | \$750,000          | \$250,000          | -0-                   | \$1,000,000            |
| Cumberland CD                  | -0-                | -0-                | \$100,000          | \$1,154,470           | \$1,254,470            |
| Franklin CD                    | -0-                | -0-                | \$400,000          | \$1,154,470           | \$1,554,470            |
| Lancaster CD                   | \$1,250,000        | \$500,000          | \$250,000          | -0-                   | \$2,000,000            |
| Lancaster Farmland Trust (LFT) | -0-                | -0-                | -0-                | \$1,154,470           | \$1,154,470            |
| Lebanon CD                     | -0-                | -0-                | \$750,000          | -0-                   | \$750,000              |
| York CD                        | \$1,250,000        | -0-                | -0-                | -0-                   | \$1,250,000            |
| SCC Admin./Tech. Support       | -0-                | -0-                | -0-                | \$384,800             | \$384,800              |
| <b>Total</b>                   | <b>\$2,500,000</b> | <b>\$2,000,000</b> | <b>\$2,000,000</b> | <b>\$3,848,210</b>    | <b>\$10,348,210.00</b> |

**Notes:**

1. CDs are eligible to utilize up to 25% of total CEG grant award for administrative and or technical support provided under the program.
2. CBIG funding is a one-time subaward from federal funds managed by PA DEP.
3. Lancaster and York are Tier 1 Counties under the PA CBP WIP 3 Plan.
4. Remaining Counties are Tier 2 Counties under the PA CBP WIP 3 Plan.
5. LFT award is a public private partnership (PPP) pilot utilizing federal funds and is designed to test CEG concepts in a PPP arrangement.

**Table 1 – Application and Project data – Conservation Excellence Grant Program (as of January 10,2022)**

\*Information not available at the time of the report.

| <b>County</b>       | <b>Applications Received</b> | <b>Applications Approved</b> | <b>Grant award totals</b>                   | <b>Project Descriptions</b>   | <b>Number of Completed Projects</b> | <b>Completed Project descriptions</b>                | <b>Grant funds Disbursed to applicants</b> |
|---------------------|------------------------------|------------------------------|---|---|-------------------------------------|--|--|
| <u>Bedford</u>      | 9                            | 3                            | \$523,927                                   | Waste Storage Facility, HUAP  | *                                   | *  | \$112,182                                  |
| <u>Centre</u>       | 5                            | 5                            | \$847,200                                   | Level-lip spreader, HUAP; manure storages systems; livestock grazing systems  | 2                                   | Level-lip spreader, HUAP                             | \$230,000                                  |
| <u>Cumberland</u>   | 7                            | 7                            | \$565,320                                   | HUAP, Manure transfer system; streambank fencing with components.   | *                                   | *  | *  |
| <u>Franklin</u>     | 30                           | 19                           | \$1,341,785                                 | Barnyard Runoff; Manure Storage; Roofed Heavy Use Area Protection (HUAP) and Manure Stacking areas; Stream Crossing | 1                                   | Waste Storage Facility, Diversion, Grass Filter Area | \$204,295                                  |
| <u>Lancaster</u>    | 35                           | 31                           | \$1,677,974                                 | Grassed Waterways & Diversions; Roofed Manure Stacking areas & HUAP   | 4                                   | Grassed Waterway; Roofed HUAP; Waste Storage         | \$167,700                                  |
| <u>Lebanon</u>      | 4                            | (4 pending)                  | \$357,000<br>(pending Board approval)       | HUA Protection, Waste Storage Facilities  | *                                   | *  | *  |
| <u>York</u>         | 19                           | 17                           | \$151,919                                   | Grassed Waterway ; Cover Crop Planting(395+ac.)   | 350+ ac                             | Cover Crops, Diversion                               | \$21,109                                   |
| <b><u>TOTAL</u></b> |                              | <b>82</b>                    | <b>\$5,108,125.00</b><br><b>(\$357,000)</b> |   |                                     |  | <b>\$735,286.00</b>                        |



BUILDING BRIDGES

Farmers\* Municipalities\* Citizens  
Conservation Districts\* Agribusiness

To: Members Dec 31, 2021  
 State Conservation Commission  
 From: Beth Futrick  
 Agriculture/Public Liaison  
 Through: Karl G. Brown, Executive Secretary  
 State Conservation Commission  
 Re: Ombudsman Program Update – Southern Alleghenies Region

**Activities: November-December**

- Prepare streambank restoration/buffer projects bid packages for the NFWF - Chesapeake Bay Innovative Nutrient and Sediment Reduction (INSR) Grant. These projects will address non-point source pollution issues in the Upper Juniata watershed.
- Developing Farmer Workshops as part of the NFWF-INSR Grant
- Meeting with PA Soil Health Coalition to plan an Ag. Winter Workshop/Meeting for Blair and surrounding Counties
- Finalizing buffer inspections and complete final report for Blair's DCNR Buffer Grant
- Implementing the PDA- Urban Ag Infrastructure Grant proposal
  - purchase hoop house for installation in spring 2022 at NatureWorksPark
- Collaborating with Keystone Development Cooperative to start a "Regional Food/Local Food Hub feasibility study.
- Submitted a "Fly Control" article to Der Ober Tal publication (for Amish Communities in Centre, Clinton, and Lycoming Counties)

**Conflict Issues/Municipal Assistance**

- Lycoming County -preparing a Fly IPM class with Lycoming farmers
- Lehigh County - Agritourism ordinance update
- Cumberland County - Light pollution issue with greenhouse growers

**Meetings/Trainings/Events**

- Meeting with Penn State Extension to plan a Forest to Table event on January 26 - "Getting Started in Maple Syruping"
- Meeting with KDC to start planning partner outreach for the Regional Food Hub feasibility study
- Meeting with Pennsylvania Mountain Service Corps AmeriCorps to plan a community garden in Altoona, PA

**Reports & Grant Applications**

- DCNR Buffer Grant final report
- NFWF - update FieldDoc information for the INSR grant
- BCCD Board Report



## BUILDING BRIDGES

Farmers \* Municipalities \* Citizens  
Conservation Districts \* Agribusiness

To: Members  
State Conservation Commission  
January 18, 2022

From: Shelly Dehoff  
Agriculture/Public Liaison  
Through: Karl G. Brown, Executive Secretary  
State Conservation Commission

Re: Agricultural Ombudsman Program Update

**Activities:** Since mid-November 2021, I have taken part or assisted in a number of events, including the following:

- Coordinating manure injection educational and promotion effort for farmers in Lancaster County, and handling incentive payment processing.
  - Advertised, finalized and facilitated farmer education meeting at Shady Maple, had 60 attendees
- Starting to work with Sustainable Chesapeake as the beneficiary of an MEB grant that they wrote to help pay incentive payments for manure injection to build on the grant LCCD has with Campbell Foundation
- Events as South Central Task Force Agriculture Subcommittee Planning Specialist:
  - Hosted/facilitated Nov, Dec and Jan Ag Subcommittee meetings
  - Trying to communicate with County CART coordinators about support needed from SCTF
  - Participating in meetings with PDA, PSP, Extension about handling animals in humane/cruelty situations
  - Working with Messick's to offer "Stop the Bleed" trainings at all 5 Open Houses in January
  - Soliciting interest for **AWR 328** (All Hazards Preparedness for Animals in Disaster) and **MGT 448** (All Hazards Planning for Animal, Agriculture, and Food Related Disasters) to be offered in 2022 through York EMA
- Participated and recorded minutes for Nov. and Dec. Lancaster Co. Agriculture Council meetings (virtually)
- Starting to work with Beth and new webmaster to revise Ombudsman Program website; had work session to go over the website tab by tab, item by item
- Coordinated Conservation Foundation of Lanc Co meetings
- Participating in LCCD team for District-wide assessment of operations and getting staff input, helping with action steps for future
- Compiling highlights of 2021 for Ombudsman Program to use during LCCD Annual Planning meeting in January

**Local Government Interaction:** I have been asked to provide educational input regarding agriculture:

**Chester Co**—ongoing participation in Mushroom Farmers of PA, and Phorid Fly Action Group virtual meetings

**Regional**—regional municipal organization asked for input about Ag zoning requirements; been ongoing discussion off and on for years; they are working on model ordinance

**Moderation or Liaison Activities:** I have been asked to provide moderation or liaison assistance with a particular situation:

**Lancaster Co**—received call about farmer/neighbor water runoff issue; ultimately referred to LCCD Compliance Specialist

**Lancaster Co**—more liaison efforts between farmer and LCCD E&S Dept for proposed animal operation

**Bucks Co**—multiple discussions with consultant and CD about neighborhood/municipal requirements for small farm; potential for ACRE review request in future

**Research and Education Activities:**

**Statewide**—Making inquiries about CAOs/CAFOs being officially recognized as "normal ag operations"

**Franklin Co**—received call from DEP about Food Processing Waste residual; provided more details

**Statewide**—Read separate ordinance issues related to hoop structures/greenhouses related to stormwater requirements and agritourism; discussed issues with attorney from PA Ag and Shale Law Center

**Cumberland Co**—Made aware of ag operation receiving pushback from organization about excessive lights; starting to research items of importance to the organization to understand more from non-farm standpoint

**Fly Complaint Response Coordination:** I have taken complaints or am coordinating fly-related issues in:

**Lebanon Co**—new complaint