State Conservation Commission Meeting

January 22, 2020

Wyndham State College, Boalsburg, PA

Agenda

Briefing Session – 10:00am – Mountain View West

1. Review of Public Meeting Agenda items
2. Briefing Senate Bill 915 – Amending current Fertilizer Act, PDA staff.
3. Introduction and review of 'Conservation District Staff Position Budgeting Spreadsheet', Fred Fiscus, DEP
4. Conservation Excellence Grant Program Concept discussion - Karl G. Brown and Johan E. Berger, SCC
5. REAP 90% Tax Credit Option and discussion – Joel Semke, SCC

Business Session – 1:45PM – 3:45PM – Garden Ballroom B/C

A. Opportunity for Public Comment

B. Business and Information Items

1. Approval of Minutes
   a. November 12, 2019 Public Mtg.(A)
   b. December 10, 2019 Conference Call (A)
2. Nutrient and Odor Management Program
   a. Nutrient Management Plan – Dallas Equine Center, LLC, Lauren Swicklik, Luzerne County – Frank Schneider, SCC (A)
3. PaOne Stop Letter of Understanding, Frank Schneider, SCC(A)
4. Request to change the composition of Board of Directors for Luzerne County Conservation District, Karl G. Brown, SCC (A)
5. Annual Conservation District Audit Report; Karen Books, DEP (A)
6. Conservation District Advisory Committee Proposal and Appointments, Karl G. Brown, SCC (A)
7. Proposed Memorandum of Understanding between the State Conservation Commission, Pa Department of Agriculture and Pa Department of Environmental Protection – Karl G. Brown, SCC (A)
8. 2020 Conservation District Director Appointment Update; Karl Brown, SCC (NA)
9. Manure/Nutrient Planning Technical Team Update – Frank Schneider, SCC (NA)

10. Dirt, Gravel and Low Volume Road Program Update, Roy Richardson, SCC; Steve Bloser PSU Center for Dirt and Gravel Road Studies.

11. Leadership Development Program Update – Matthew Miller, PACD (NA)

12. Spotted Lanternfly Program Update –Bureau of Plant Industry, PDA and Cooperative Extension, PSU. (NA)

13. Chesapeake Bay Program WIP Update – Jill Whitcomb, DEP (NA)

C. Written Reports

1. Program Reports
   a. Act 38 Nutrient and Odor Management Programs Report
   b. Act 38 Calendar Year 2019 Nutrient Management Plan Data
   c. Chapter 91 Calendar Year 2019 Program Activities
   d. January 2020 Status Report on Facility Odor Management Plan Reviews
   e. Certification and Education Programs Accomplishment Report
   f. REAP Program Accomplishment Report
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 11, 2020 - Conference Call

March 10, 2020 – Pa Department of Agriculture, Harrisburg PA

STATE CONSERVATION COMMISSION
MEETING

Pennsylvania Farm Show Complex, Harrisburg, PA

Tuesday, November 12, 2019 1:00 p.m.

Draft Minutes

Members Present: Deputy Secretary Greg Hostetter for Secretary Russell Redding, PDA; Secretary Patrick McDonnell, DEP; Mike Flinchbaugh; Ross Orner; Ron Rohall; Ron Kopp; MaryAnn Warren; Pete Vanderstappen, NRCS; Drew Gilchrist, DCNR for Secretary Cindy Adams Dunn (via phone); Paul Opiyo, DCED; Chris Houser, PSU for Dr. Richard Roush; Brenda Shambaugh, PACD.

Executive Session: Commission members held an Executive Session to consider legal matters related to pending Nutrient Management enforcement cases.

Public Input

There were no public comments presented.

A. Business and Information Items

1. a. Approval of Minutes – September 10, 2019 - Public Meeting.

Mary Ann Warren moved to approve the September 10, 2019 public meeting minutes. Motion seconded by Ron Rohall. Motion carried.

b. Approval of Minutes – October 8, 2019 – Conference Call.

Ross Orner moved to approve the October 8, 2019 conference call minutes. Motion seconded by Mary Ann Warren. Motion carried.

2. Proposed 2020 Meeting Dates and Conference Call Dates. Karl Brown, SCC, reported that a list of proposed 2020 dates for SCC meetings and conference calls has been provided to Commission members. In proposing these dates, staff has attempted to avoid any major conflicts (holidays, elections, etc.) and has reviewed these dates with the offices of both co-chairs. Upon approval, Commission staff will advertise these meetings consistent with the PA Sunshine requirements.

Mary Ann Warren made a motion to approve the proposed 2020 dates for meetings and conference calls. Motion seconded by Ron Kopp. Motion carried.

3. Election of Vice-Chairperson 2020. Karl Brown, SCC, reported that Conservation District Law required the Commission to elect a Vice-Chairperson for the upcoming year at their last regularly scheduled business meeting of the calendar year. The Vice-Chairman is to serve in the capacity of chairman in the event that the chairman is unable to chair any meeting of the Commission. Mike Flinchbaugh currently serves as Vice-Chairman and is willing to serve in that capacity for 2020 if requested.

Ron Rohall made a motion to appoint Mike Flinchbaugh as Vice-Chairman for 2020. Motion seconded by Mary Ann Warren. Motion carried.

4. Nutrient and Odor Management Program

   a. Josh Reiff, Nutrient Management Plan Amendment, Northumberland County. Frank Schneider, SCC, reported that the Reiff farm is a concentrated animal operation in Northumberland County that raises turkeys. Total animal equivalent units for the operation are 228 and animal equivalents per acre are 198, making this a concentrated animal operation under the Nutrient Management Act. The Commission is the appropriate entity to act on this plan since the Northumberland Conservation District does not have a Nutrient Management delegation agreement with the Commission. Staff has reviewed the plan and recommends approval.

      Ross Orner made a motion to approve the Josh Reiff Nutrient Management Plan. Motion seconded by Ron Rohall. Motion carried.

   b. Downs Racing, LP, DBA Mohegan Sun at Pocono Downs, Luzerne County. Frank Schneider, SCC, reported that the Mohegan Sun at Pocono Downs is a concentrated animal operation in Luzerne County that boards and races horses. The operation boards a maximum of 174 horses throughout the 140-day race season (February – November). The combined total animal equivalent units and the animal equivalent units per acre are both 73 AEUs. The Commission is the appropriate entity to act on this nutrient management plan since Luzerne Conservation District does not have a Nutrient Management delegation agreement with the Commission. Staff has reviewed the plan and recommends approval.

      Ron Kopp moved to approve the Mohegan Sun Nutrient Management Plan. Motion seconded by Ross Orner. Motion carried.

   c. Northwestern Stables, Inc., Nutrient Management Plan, City of Philadelphia. Michael Brubaker, SCC, reported that Northwestern Stables is a concentrated animal operation located in the City of Philadelphia that boards and owns horses. This operation teaches horsemanship and conducts trail rides within Fairmount Park. As a total export operation, the combined total animal units and the animal units per acre are both 38 AEUs. The Commission is the appropriate entity to act on this Nutrient Management plan since the city/county of Philadelphia does not have a Nutrient Management delegation agreement with the Commission. Staff has reviewed the plan and recommends approval.

      Ron Rohall moved to approve the Northwestern Stables Nutrient Management plan. Motion seconded by Ross Orner. Motion carried.

5. Conservation District Fund Allocation Program, County Conservation District Requests for Reserve Accounts; FY2019-20 UGWF Allocations. Johan Berger, SCC, reported that conservation districts receive funding from the Commission each year for certain staff expenses, as well as for general administrative expenses. These funds are provided under and consistent with the Commission's Conservation District Fund Allocation Program's (CDFAP) Statement of Policy. Districts may establish "reserve" accounts under CDFAP with approval of the Commission. Two districts have submitted requests asking to add additional funds to existing reserve accounts. Lycoming is requesting permission to add funds to their Envirothon Scholarship Fund, and Susquehanna is requesting permission to add funds to their "Building Reserve" account. Staff has reviewed these requests and

recommends their approval. Johan Berger provided detailed information regarding these two items.

Mary Ann Warren made a motion to approve the request of Lycoming Conservation District to add $2,500 to its Envirothon Scholarship Fund. Motion seconded by Ron Kopp. Motion carried.

Ron Kopp made a motion to approve the request of Susquehanna Conservation District to add $99,984.90 to their Building Reserve account. Motion seconded by Ross Orner. Mary Ann Warren abstained from voting. Motion carried.

6. Resolution for the support of reauthorization for the collection of fees to the Federal Abandoned Mine Reclamation Fund – H.R. 4248 Surface Mining Control and Reclamation Act Amendments of 2019 – Andy McCallister, Regional Director, Western PA Coalition for Abandoned Mine Reclamation. At the July 2019 Commission meeting, representatives of the Western PA Coalition of Abandoned Mine Reclamation and the PA DEP Bureau of Abandoned Mine Reclamation briefed the Commission members on efforts to reauthorize the federal Surface Mining Control and Reclamation Act (SMCRA) and the extension of the Federal Abandoned Mine Reclamation Fund. The restoration of abandoned mines affects 44 of 67 Pennsylvania counties. These abandoned mine sites contain dangerous highwalls, shafts, and waster pile, and significantly contribute to acid mine runoff that negatively impacts 5,500 miles of streams in Pennsylvania. The Commission was asked to consider adopting a resolution supporting the reauthorization of SMCRA. Staff shared a resolution for the Commission's consideration.

Ron Rohall moved to approve the adoption of the proposed resolution supporting the reauthorization of SMCRA and the Federal Abandoned Mine Fund. Motion seconded by Ross Orner. Motion carried.

7. Proposed Memorandum of Understanding among the State Conservation Commission (SCC), PA Department of Agriculture (PDA), and PA Department of Environmental Protection (DEP). Karl Brown, SCC, reported that Commission and agency staff have been working for several years on the creation of a three-way memorandum of understanding among SCC, DEP, and PDA. Final legal review has been completed, and the document is ready for signature. The MOU outlines how the agencies will support the commission in carrying out its duties to provide support and oversight to conservation districts, as well as in its duty to carry out programs directly assigned to the Commission for administration.

Mary Ann Warren made a motion to table the approval of the proposed MOU until the January 22, 2020 SCC meeting. Motion seconded by Ron Rohall. Motion carried.

8. Chesapeake Bay Program Update

   a. General Program Update – Jill Whitcomb, Chesapeake Bay Program Office, DEP, reported that in late Summer 2019, Pennsylvania and all other states submitted their final draft Chesapeake Bay WIP 3 plan to EPA for review. Jill explained three main topics in detail: Soil Erosion and Sediment Control Manual for Agriculture, Chesapeake Bay Agricultural Inspection Program, and County Action Planning and WIP Implementation. The Ag E&S manual is being developed to provide program guidance and consistency. The Ag Inspection program reported that 86% of the operations having to meet Act 38 requirements were in compliance and 64% of other

farms were compliant with Chapter 91 requirements. The inspections did identify some Concentrated Animal Operations (CAOs). Phase 1 of the WIP implementation (began in Fall 2019 and lasts 6 to 8 months). Efforts in this phase are focused on the eight Tier 1 & 2 counties that make up 54% of PA's nutrient load. Phase 2 WIP implementation will begin in Spring 2020, lasting 6 to 8 months, also. Efforts in this phase are focused on the thirty-five Tier 3 & 4 counties that make up 46% of PA's nutrient load.

Action: No action required.

b. Agricultural Inspection Program Annual Summary July 2018 – June 2019, Kate Bresaw, DEP, reported that Pennsylvania began its CBP Farm Inspection Program in FY 2016-17 with a goal of inspecting at least 10% of the farmed acres in Pennsylvania's portion of the Chesapeake Bay Watershed. Kate provided detailed descriptions of county analysis (demographics, program information, and inspection data). She also reported on Chesapeake Bay Agricultural Inspection Program (Compliance and Enforcement) and BMP data collection. Another year of the expanded agricultural inspection program has shown that most farmers are getting the plans they need. Conservation district and DEP staff are using inspections to educate farmers and to help them successfully implement their plans. Planning and technical assistance continue to be important to the success of plan implementation.

Action: No action required.

9. Chapter 105 – Dam Safety and Waterways Regulation Revision Update – Roger Adams, Ken Murin, DEP, reported that DEP is currently working on revisions to their Chapter 105 Dam Safety and Waterways Regulations and is seeking stakeholder input to the regulation revisions. DEP representatives will bring revised regulation to future SCC meetings. Roger explained that DEP began accepting Chapter 105 registrations/applications for General Permits for various types of water obstruction and encroachments through the e-permitting system in October 2018. DEP is transitioning away from paper to online electronic permit applications. Roger reported that in 2011, a Dam Safety Technical Package was initiated. In 2013, a Fee Package was created.

Action: No action required.

10. PA Farm Bill Update – Conservation Excellence Grant Program Review of Concepts – Karl Brown and Johan Berger, SCC, reported that Commission staff continue to develop a framework for the Conservation Excellence Program. This program will involve recently implemented changes to the Resource Enhancement and Protection Program (REAP), changes to the Agri-Link Low Interest Loan Program, and the new Conservation Excellence Grant Program. The REAP Tax Credit guidelines were updated in July and August and the FY 2019-20 round opened in mid-September 2019. Karl provided an update on the development of the FY2019-20 Conservation Excellence Grant Program.

Action: No action required.

C. Written Reports – Self Explanatory

1. Program Reports
    a. Act 38 Nutrient and Odor Management Program Measurables Report
    b. Act 38 Facility Odor Management Program – Status Report on Plan Reviews
    c. Certification and Education Program Accomplishment Report
    d. REAP Accomplishment Report

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

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

DCNR – Drew Gilchrist reported that Governor Wolf and DCNR announced last week that there is a total of $2.2 million in grant funding for 27 Rivers Conservation projects using Environmental Stewardship and Keystone Recreation, Park and Conservation Funding sources. Projects will include stream and floodplain restoration; conservation plans; dam removal; two river access points; green infrastructure in local parks; and 159 acres of streamside forest buffers. A complete list of projects is available on the DCNR website.

PDA – Deputy Secretary Greg Hostetter reported that Secretary Redding is currently at the Tri-National Agricultural Accord in Canada. Information on the Pennsylvania Farm Bill can be found at https://www.agriculture.pa.gov/Pages/PA-Farm-Bill.aspx . Deputy Secretary Hostetter mentioned that the deadline to apply for Dairy Investment Grants is November 15, 2019; the deadline for Ag and Youth Grants is November 29, 2019 and Specialty Block Grants deadline is December 2, 2019. Deputy Secretary Hostetter announced new executive staff Stephen Rudman is the new Legislative Director for PDA and Katie McLaughlin is the new Executive Assistant to Deputy Secretary Hostetter. The Pennsylvania Farm Show will take place during the first full week of January 2020.

PSU – Chris Houser reported that a new 2020 BMP Farm Survey focusing on the agricultural community in the Chesapeake Bay geographical region is under development for distribution in early 2020. The Extension recently hired a specialist to focus on ag water.

DCED –Paul Opiyo reported that a five-year land use report will be coming out in September 2020. DEP, DCNR, PennDOT, and PDA are involved with this report, which will have GIS maps where different types of land use can be seen. The Center for Local Government Services will provide Chesapeake Bay materials for local governments. DCED is also thinking about ways in which to market outdoor recreational areas.

DEP –Aneca Atkinson reported that the current grant round for Growing Greener will be closing on November 20, 2019. There will be two more Growing Greener grant rounds in 2020. DEP is currently working on Chapter 105 updates. Jill Whitcomb is working with PDA on Chesapeake Bay issues. The PAG-01comment period just closed, and a final PAG-02 package is going through an executive review. Aneca encourages communication among all State agencies.

NRCS – Pete Vanderstappen reported that the federal Farm Bill final rules and Hemp rules will be released soon. There has been additional funding added for the EQIP program. Pete explained that there is a new tool, called CART. - Conservation Assessment Ranking Tool

(CART) which modernizes and streamlines NRCS' conservation planning and program delivery, reduces workload on field staff, and improves the customer experience by creating an efficient application process. NRCS is working on general permits with DEP to speed up the process.

PACD – Brenda Shambaugh thanked Karl Brown, Johan Berger, Karen Books, and Fred Fiscus for their work on the communications committee. On November 20, 2019, the House Ag Committee is having an information session on "What do Conservation Districts do?" Lancaster, Blair, and McKean County conservation district representatives will attend this session and share information on agricultural issues, stormwater management issues and the Dirt, Gravel Low Volume Road program, respectively.

Adjournment: Meeting adjourned at 2:38 p.m.

Next Public Meeting: December 10, 2019 – Conference Call
January 22, 2020 – Public Meeting, State College

STATE CONSERVATION COMMISSION CONFERENCE CALL
PA Department of Agriculture, Room 405
Tuesday, December 10, 2019 @ 8:30 am

DRAFT MINUTES

Members Present: Deputy Secretary Greg Hostetter for Secretary Russell Redding, PDA; Secretary Patrick McDonnell, DEP; Drew Gilchrist for Secretary Cindy Adams-Dunn, DCNR; Denise Coleman, NRCS; Brent Hales, Penn State; Ron Kopp; Ron Rohall; Mike Flinchbaugh; Don Koontz; Mary Ann Warren; and Brenda Shambaugh, PACD.

A. Public Input: Bill Neilson reported that the Pennsylvania Farm Bureau completed their annual meeting and set up policies for the new year.

B. Agency/Organization Updates

1. DCNR – Drew Gilchrist

   Drew reported that DCNR and Pennsylvania Organization for Watersheds and Rivers (POWR) is pleased to announce that 2020 River of the Year voting has begun. The nominees are Brandywine Creek, Buffalo Creek, Connoquenessing Creek, Lackawanna River, and Ohio River. 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. Voting closes on January 17, 2020. Google PA River of the Year for more information and to vote.

2. PACD – Brenda Shambaugh

   Brenda reported that PACD has been applying for several grants - a Growing Greener Grant for Riparian Buffers; a USDA RCPP grant for soil health; and Chesapeake Bay education mini grant for conservation districts.

3. Pennsylvania Department of Agriculture – Deputy Secretary Greg Hostetter

   Deputy Secretary Hostetter reported that EPA released an announcement of $4.8 million for PFAS research and how the use of these types of chemicals impact public and private water sources. The WIP3 team has been engaged in implementation meetings with DEP and conservation districts. On December 9, 2019, there was an organic roundtable meeting, which focused on soil health. PDA has also been having meetings about regulations for vehicles, like milk haulers.

4. Penn State Extension– Brent Hales, Director

Brent Hales reported that he is looking forward to the Farm Show and to meeting everyone. Before coming to Penn State, Dr. Hales previously served as the Senior Associate Dean and Chief Financial Officer of the University of Minnesota Extension, Associate Dean for the University of Minnesota Extension Center for Community Vitality, and the Director of the University of Minnesota Crookston, Economic Development Authority University Center. Penn State is in the process of hiring an Associate Director for the Extension.

5. DEP – Secretary McDonnell

Secretary McDonnell reported that DEP is waiting for EPA's response to the Chesapeake Bay Phase III Watershed Implementation Plan. DEP continues to engage in discussions with EPA on the release of grants and grant agreements.

6. NRCS – Denise Coleman

Denise Coleman reported that NRCS has released the Conservation Stewardship Program (CSP) rule, which involves new streamlining opportunities to CSP similar to EQIP. The EQIP rule should be published during the week of December 9, 2019. The Conservation Resource Program (CRP) sign up is in progress.

7. DCED – no report.

.

C. Information and Discussion Items

1. **Conservation District Director Appointment Process Ongoing – Karl Brown**

As of December 5, 2019, 23 counties (35%) have submitted their list of Conservation District Director appointments for 2020 to the Commission Office. These include: Adams, Bedford, Butler, Cambria, Carbon, Clearfield, Crawford, Elk, Fulton, Jefferson, Mifflin, Monroe, Northampton, Perry, Pike, Schuylkill, Snyder, Somerset, Sullivan, Tioga, Venango, Warren, and Washington. Commission staff will continue to review those appointments to ensure that proper process and policy is followed.

2. **Conservation District Advisory Committee Proposal – Karl Brown**

Commission staff briefed members during the November 2019 Commission meeting regarding a proposal to establish a Conservation District Advisory Committee (CDAC). This general advisory committee would be used to provide input to the Commission regarding policies that affect the operations and

management of county conservation districts. Minor corrections have been made to the draft proposal, and a copy of the most recent proposal is attached. Prior to our January 2020 meeting, Commission staff will solicit PACD and individual conservation districts for nominations to fill the six director and six management positions on CDAC and will present the final recommended committee structure and recommended individuals to serve on this new committee.

3. **2018 Annual Financial Audit Report Due December 31, 2019 – Fred Fiscus**

Conservation district 2018 financial audit reports are due no later than December 31, 2019. As of December 9, 2019, sixty (60) conservation districts have submitted their financial audit report. Remaining districts are encouraged to ensure that their auditor is working on the audit and knows the deadline. If there are extenuating circumstances, a district may request extension. To date, one district has requested an extension to the audit submission deadline. Failure to have an audit report in on time may result in DEP and PDA withholding all CDFAP payments to the district until the audit is received.

4. **PA One Stop Update**

The Commission, PDA and DEP have financially supported the PA One Stop Program over the years through various grants and other funding sources. In order to better coordinate ongoing agency support for PA One Stop Program, Commission and agency staff have recommended the adoption of a Letter of Understanding (LOU) among SCC, DEP and PDA which will establish a more formal support structure. This LOU would establish both an Executive Committee and a Management Group to coordinate support and oversight of the program. Penn State would serve as a non-signatory, non-voting member of each of these groups. A copy of a draft LOU among SCC, DEP and PDA was provided. Commission staff provided an update on the draft LOU.

5. **Conservation Excellence Grant Program**

Commission staff continue to work on developing the three components of the Conservation Excellence Program. The revised REAP Tax Credit Program is active and applications are being processed. Staff continues to work on the final piece (90% option) REAP Program changes and is developing a proposed framework for that program component. Staff continues discussions with PA Treasury Department staff in an effort to revitalize the AgriLink Low Interest Loan Program. Staff recently met with staff from Lancaster and York Conservation districts to discuss the most current Conservation Excellence Grant Program (CEG). A "conceptual summary" of the CEG program was provided. Staff also met with the Lancaster Conservation District Board (12-4) and will meet with the York Conservation District Board (12-13) to discuss this proposed pilot and to encourage their participation when the program guidelines are finalized. Denise Coleman requested that USDA is linked into conversations on implementation and

application activities as the program begins. Secretary McDonnell also expressed his concerns on capacity for implementation of this and other similar programs.

6. **Contagious Disease Outbreaks, Request for CD Contact Persons**

The State Conservation Commission and the PA Department of Agriculture have been actively involved in preparing and distributing information regarding potential contagious disease outbreaks, (i.e. High Pathogenic Avian Influenza – HPAI; African Swine Fever, etc.). In the event of a contagious disease outbreak, a county conservation district may be contacted by the local Emergency Operations Center for support information pertinent to the outbreak at hand. The Commission, on behalf of the Department of Agriculture, is developing a list of local points of contact at county conservation districts that may be utilized by the Department of Agriculture during an outbreak incident. The State Conservation Commission requested that each county conservation district identify a primary and secondary point of contact, for both during and after business hours, and complete and return the contact form to Frank Schneider .

7. **Growing Greener Plus Grant Round Opens – Fred Fiscus**

The Department of Environmental Protection (DEP) announced on November 7, 2019 that $30 million is available to help communities restore and protect water quality throughout the commonwealth. Funded through the commonwealth's Growing Greener Plus program, the $30 million in grant funding will help communities restore and protect water quality by reducing abandoned mine drainage and urban and agricultural runoff pollution and addressing harmful algal blooms, climate resiliency, PFAS, and other emerging issues. Counties, municipalities, municipal authorities, county conservation districts, councils of government, educational institutions, and watershed and other organizations can apply for funding for projects with local or statewide impact. Last year, Growing Greener supported more than 134 projects in over 47 counties, from large-scale floodplain and stream corridor restorations to single projects, such as streambank fencing. Applications will be accepted until 5:00 PM on December 20, 2019. Additional rounds are planned for next spring and fall. Find guidelines and application instructions at www.dep.pa.gov. Select "Grants" and scroll down and select "Growing Greener".

8. **Spotted Lanternfly (SLF) Update – Johan Berger**

PDA continues to work with county conservation districts in the Spotted Lanternfly (SLF) quarantine zone to help educate citizens about the SLF and to conduct land treatment activities to help control SLF. PDA will award 11 conservation districts nearly $995,000 this fiscal year to help with these efforts. Johan Berger provided additional information regarding this agenda item. The eleven

conservation districts will do education and outreach; control activities; property assessments; herbicide and insecticide applications; and work with private landowners.

9. **2020 Dates to Remember**

SCC Meetings

January 22	Wyndham Garden State College, Boalsburg
March 10	Harrisburg
May 12	Harrisburg
July 22	Wyndham Garden State College, Boalsburg
September 15	Harrisburg
November 10	Harrisburg

PACD/SCC Winter Meeting

January 22-23	Wyndham Garden State College, Boalsburg

LDC Building for Tomorrow – Staff Conference

February 12-13	Wyndham Garden State College, Boalsburg

LDC Building for Tomorrow - Regional Director Trainings

February 26	Clinton County CD
February 27	Monroe County CD
March 4	Erie County CD
March 5	Westmoreland CD
March 10	Berks County CD
March 11	Cumberland County CD

Spring 102/105 Technical Training

March 16-19 (Basic/Refresher)	Wyndham Garden State College, Boalsburg
March 31-April 2 (Topic Based)	Wyndham Garden State College, Boalsburg

Agricultural Conservation Technical "Boot Camp" Training

April 6-10 (Basic Level)	Keystone Conference Center, Ft. Indiantown Gap
April 27-May 1 (Level II)	Keystone Conference Center, Ft. Indiantown Gap

Spring PACD Region Meetings

March 24	SC Regional Meeting Cumberland Conservation District, Carlisle
March 26	NC Regional Meeting Clinton Conservation District, Mill Hall
March 31	SW Regional Meeting Westmoreland Conservation District, Greensburg
April 3	NE Regional Meeting DEP NE Regional Office, Wilkes-Barre
April 22	NW Regional Meeting Venango County (location TBA)
April 30	SE Regional Meeting Henning's Market, Harleysville

PACD/SCC Joint Annual Conference
July 22-23 Wyndham Garden State College, Boalsburg

Conservation District Watershed Specialist Meeting
October 6-8 Toftrees Golf Resort, State College

Karl Brown mentioned that Doyle Corman passed away and that the State Conservation Commission appreciates his leadership hours spent with the Dirt, Gravel, and Low Volume Road Program.

10. **Next Meeting** – January 22, 2020 Wyndham Garden State College, Boalsburg

11. **Adjournment** - The meeting was adjourned at 9:38 a.m.

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: January 6, 2020

TO: Members
State Conservation Commission

FROM: Michael J. Walker
State Conservation Commission

SUBJECT: Nutrient Management Plan Review (1)
Luzerne County, Pennsylvania

Action Requested

Action on a Nutrient Management Plan for the following operation in Luzerne County:

1. Dallas Equine Center, LLC – Pinewood Acres - Lauren Swicklik operator, 232 Harris Pond Road, Sweet Valley, PA 18656

Background

I have completed the required review of the subject nutrient management plan listed above. Final corrections to the plan were received at the Commission's office at PDA Region 2 on January 6, 2020. As of that date, the plan was considered to be in final form. The Lauren Swicklik operation is considered to be a Concentrated Animal Operation (CAO) under the PA Nutrient and Odor Management Act (Act 38 of 2005). The Commission is the proper authority to take action on this plan, because Luzerne Conservation Districts is not delegated plan review and action responsibilities under the Act 38.

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

Thank you for considering this plan for Commission action.

Farm Descriptions

Dallas Equine Center, LLC – Pinewood Acres - Lauren Swicklik operator NMP, Luzerne County – Lauren Swicklik operates an equine boarding and training agricultural operation in Luzerne County under the name of Pinewood Acres. This horse operation is located near the borough of Sweet Valley, PA and just off S.R. 118. The operation has expanded and added additional animal housing and presently can accommodate 17 horses housed in two separate barns. There is also an enclosed horse training arena and an outside arena. The operation consists of 24.2 total acres with 3.69 acres of grass pasture, two ACA areas, 1.72 acres of farmstead, and the remaining 18 acres are forested. Swicklik is considering clearing some forest land to accommodate turnout areas for horses but it is not planned to occur in the next 3 years. The pasture acres are the only crops acres on this operation. Horses are pastured throughout the entire year as weather permits. Manure is handed as a solid and is removed from the stalls, riding arenas and walkways daily. All collected manure is stored and stacked in the manure storage which measures 16' by 20' X 4', which is located between the animal housing facilities. Swicklik was in process of concreting the floor and adding curbing to the manure storage at the time of my site visit early December 2019. Bedding consists of pine shavings, 40 pounds per horse per week or approximately 12.5 tons of wood pellets bedding is utilized annually. Approximately 200 tons of manure is generated per year from this horse operation. All collected manure (approximately 162 tons) is exported to a known farmer for crop production. Exported manure is hauled by Swicklik every 2 to 3 weeks to the importers site and either field stacked, or land applied by the importer. Manure is also exported via small quantity criteria for local gardens.

The total combined animal equivalent units at Swicklik's horse operation are 18.2. There is 3.69 acres of permanent pastureland on the operation. No other cropland is under management control of Lauren Swicklik. The majority of the feed and all bedding materials are brought on to the operation from outside sources. The animal equivalent units per acre for Swicklik's horse operation are 4.92, classifying this operation as a concentrated animal operation (CAO) under Act 38 of 2005.

The proposed NMP for Lauren Swicklik indicates needed BMPs to be implemented on the operation, namely the installation of the following items – Animal Concentration Area Management (routine collection of manure), Forage and Biomass Planting for management of all the pastures and Concreting the manure storage acrea on this operation. These practices will assist the operation with protecting water quality and with overall management of this horse boarding and training operation.

Based on my review, the NMP developed for Dallas Equine Center, LLC – Pinewood Acres - Lauren Swicklik operator meets the requirements of the PA Act 38 Nutrient and Odor Management Regulations, and I therefore recommend Commission approval.

App. 4: Crop Yrs. 2021	1			1A			2			3		
CMU/Field ID												
Acres	1.5			0.3			0.8			1.1		
Soil Test Report Date	September 9, 2019			September 9, 2019			September 9, 2019			September 9, 2019		
Laboratory Name	Spectrum Analytic			Spectrum Analytic			Spectrum Analytic			Spectrum Analytic		
Soil Test Levels (Mehlich-3 P & K) (Show conversions to ppm in Appendix 10)	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH
	49	86	6.1	69	100	5.3	120	115	6.2	44	107	5.5
P Index Part A Evaluation	Special Prot.			Special Prot. <150ft			Special Prot. <150ft			Special Prot. <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	2 ton/A			2 ton/A			2 ton/A			2 ton/A		
PSU Soil Test Recommendation (lb/A)	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
	100	0	80	100	0	80	100	0	60	100	10	70
User Soil Test Recommendation (lb/A)												
Other Nutrients Applied (lb/A) (Nutrients applied regardless of manure)												
P Index Application Method												
Double Crop CarryOver N (lb/A)	0			0			0			0		
Manure History Description Residual Manure N (lb/A)	35	Continuously - Summer Crop		35	Continuously - Summer Crop		35	Continuously - Summer Crop		35	Continuously - Summer Crop	
Legume History Description Residual Legume N (lb/A)	0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume	
Net Nutrients Required (lb/A)	65	0	80	65	0	80	65	0	60	65	10	70
Manure Group	Light horses - Uncollected			Light horses - Uncollected			Light horses - Uncollected			Light horses - Uncollected		
Application Season: Management (Incorporation, cover crops, etc.)	Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season		
Availability Factors (Total N or NH4-N & Organic N)	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N
	0.20			0.20			0.20			0.20		
P Index Application Method	Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered		
N Balanced Manure Rate (ton; gal/A)	27 tons/A			27 tons/A			27 tons/A			27 tons/A		
P Removal Balance Manure Rate (ton or gal/A; If required by P Index)	6 tons/A			6 tons/A			6 tons/A			6 tons/A		
	Crop P Removal (lb/A) 30.0			Crop P Removal (lb/A) 30.0			Crop P Removal (lb/A) 30.0			Crop P Removal (lb/A) 30.0		
P Index Value	44			40			44			31		
Planned Manure Rate (ton or gal/A)	8.32 tons/A			6.9 tons/A			3.4 tons/A			3.4 tons/A		
Nutrients Applied at Planned Manure Rate (lb/A)	20	42	75	17	35	62	8	17	31	8	17	31
Nutrient Balance after Manure	45	-42	5	48	-35	18	57	-17	29	57	-7	39
Supplemental Fertilizer (lb/A)	0	0	0	0	0	0	0	0	0	0	0	0
P Index Application Method												
Final Nutrient Balance (lb/A)												
Multiple Application	Multiple Initial			Multiple Initial			Multiple Initial			Multiple Initial		
Manure Utilized on CMU	12 tons			2 tons			3 tons			4 tons		

App. 4: Crop Yrs. 2021	1			1A			2			3		
CMU/Field ID												
Acres	1.5			0.3			0.8			1.1		
Soil Test Report Date	September 9, 2019			September 9, 2019			September 9, 2019			September 9, 2019		
Laboratory Name	Spectrum Analytic			Spectrum Analytic			Spectrum Analytic			Spectrum Analytic		
Soil Test Levels (Mehlich-3 P & K) (Show conversions to ppm in Appendix 10)	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH
	49	86	6.1	69	100	5.3	120	115	6.2	44	107	5.5
P Index Part A Evaluation	Special Prot.			Special Prot. <150ft			Special Prot. <150ft			Special Prot. <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	2 ton/A			2 ton/A			2 ton/A			2 ton/A		
PSU Soil Test Recommendation (lb/A)	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
	100	0	80	100	0	80	100	0	60	100	10	70
User Soil Test Recommendation (lb/A)												
Other Nutrients Applied (lb/A) (Nutrients applied regardless of manure)												
P Index Application Method												
Double Crop CarryOver N (lb/A)	0			0			0			0		
Manure History Description Residual Manure N (lb/A)	0	Continuously - Summer Crop		0	Continuously - Summer Crop		0	Continuously - Summer Crop		0	Continuously - Summer Crop	
Legume History Description Residual Legume N (lb/A)	0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume	
Net Nutrients Required (lb/A)	45	-42	5	48	-35	18	57	-17	29	57	-7	39
Manure Group	Ponies - Uncollected			Ponies - Uncollected			heavy riding horses - Uncollected			heavy riding horses - Uncollected		
Application Season: Management (Incorporation, cover crops, etc.)	Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season		
Availability Factors (Total N or NH4-N & Organic N)	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N
	0.20			0.20			0.20			0.20		
P Index Application Method	Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered		
N Balanced Manure Rate (ton; gal/A)	19 tons/A			20 tons/A			24 tons/A			24 tons/A		
P Removal Balance Manure Rate (ton or gal/A; If required by P Index)	0 tons/A			0 tons/A			3 tons/A			3 tons/A		
	Crop P Removal (lb/A) 0.0			Crop P Removal (lb/A) 0.0			Crop P Removal (lb/A) 13.0			Crop P Removal (lb/A) 13.0		
P Index Value	44			40			44			31		
Planned Manure Rate (ton or gal/A)	2 tons/A			1.25 tons/A			3.4 tons/A			3.4 tons/A		
Nutrients Applied at Planned Manure Rate (lb/A)	5	10	18	3	6	11	8	17	31	8	17	31
Nutrient Balance after Manure	40	-52	-13	45	-41	7	49	-34	-2	49	-24	8
Supplemental Fertilizer (lb/A)	39	0	0	23	0	0	46	0	0	46	0	0
P Index Application Method												
Final Nutrient Balance (lb/A)	1	-52	-13	22	-41	7	3	-34	-2	3	-24	8
Multiple Application	Multiple Final			Multiple Final			Multiple Final			Multiple Final		
Manure Utilized on CMU	3 tons			0 tons			3 tons			4 tons		

App. 4: Crop Yrs. 2022	1			1A			2			3		
CMU/Field ID												
Acres	1.5			0.3			0.8			1.1		
Soil Test Report Date	September 9, 2019			September 9, 2019			September 9, 2019			September 9, 2019		
Laboratory Name	Spectrum Analytic			Spectrum Analytic			Spectrum Analytic			Spectrum Analytic		
Soil Test Levels (Mehlich-3 P & K) (Show conversions to ppm in Appendix 10)	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH
	49	86	6.1	69	100	5.3	120	115	6.2	44	107	5.5
P Index Part A Evaluation	Special Prot.			Special Prot. <150ft			Special Prot. <150ft			Special Prot. <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	2 ton/A			2 ton/A			2 ton/A			2 ton/A		
PSU Soil Test Recommendation (lb/A)	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
	100	0	80	100	0	80	100	0	60	100	10	70
User Soil Test Recommendation (lb/A)												
Other Nutrients Applied (lb/A) (Nutrients applied regardless of manure)												
P Index Application Method												
Double Crop CarryOver N (lb/A)	0			0			0			0		
Manure History Description Residual Manure N (lb/A)	35	Continuously - Summer Crop		35	Continuously - Summer Crop		35	Continuously - Summer Crop		35	Continuously - Summer Crop	
Legume History Description Residual Legume N (lb/A)	0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume	
Net Nutrients Required (lb/A)	65	0	80	65	0	80	65	0	60	65	10	70
Manure Group	Light horses - Uncollected			Light horses - Uncollected			Light horses - Uncollected			Light horses - Uncollected		
Application Season: Management (Incorporation, cover crops, etc.)	Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season		
Availability Factors (Total N or NH4-N & Organic N)	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N
	0.20			0.20			0.20			0.20		
P Index Application Method	Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered		
N Balanced Manure Rate (ton; gal/A)	27 tons/A			27 tons/A			27 tons/A			27 tons/A		
P Removal Balance Manure Rate (ton or gal/A; If required by P Index)	6 tons/A			6 tons/A			6 tons/A			6 tons/A		
	Crop P Removal (lb/A) 30.0			Crop P Removal (lb/A) 30.0			Crop P Removal (lb/A) 30.0			Crop P Removal (lb/A) 30.0		
P Index Value	44			40			44			31		
Planned Manure Rate (ton or gal/A)	8.32 tons/A			6.9 tons/A			3.4 tons/A			3.4 tons/A		
Nutrients Applied at Planned Manure Rate (lb/A)	20	42	75	17	35	62	8	17	31	8	17	31
Nutrient Balance after Manure	45	-42	5	48	-35	18	57	-17	29	57	-7	39
Supplemental Fertilizer (lb/A)	0	0	0	0	0	0	0	0	0	0	0	0
P Index Application Method												
Final Nutrient Balance (lb/A)												
Multiple Application	Multiple Initial			Multiple Initial			Multiple Initial			Multiple Initial		
Manure Utilized on CMU	12 tons			2 tons			3 tons			4 tons		

App. 4: Crop Yrs. 2022	1			1A			2			3		
CMU/Field ID												
Acres	1.5			0.3			0.8			1.1		
Soil Test Report Date	September 9, 2019			September 9, 2019			September 9, 2019			September 9, 2019		
Laboratory Name	Spectrum Analytic			Spectrum Analytic			Spectrum Analytic			Spectrum Analytic		
Soil Test Levels (Mehlich-3 P & K) (Show conversions to ppm in Appendix 10)	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH
	49	86	6.1	69	100	5.3	120	115	6.2	44	107	5.5
P Index Part A Evaluation	Special Prot.			Special Prot. <150ft			Special Prot. <150ft			Special Prot. <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	2 ton/A			2 ton/A			2 ton/A			2 ton/A		
PSU Soil Test Recommendation (lb/A)	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
	100	0	80	100	0	80	100	0	60	100	10	70
User Soil Test Recommendation (lb/A)												
Other Nutrients Applied (lb/A) (Nutrients applied regardless of manure)												
P Index Application Method												
Double Crop CarryOver N (lb/A)	0			0			0			0		
Manure History Description Residual Manure N (lb/A)	0	Continuously - Summer Crop		0	Continuously - Summer Crop		0	Continuously - Summer Crop		0	Continuously - Summer Crop	
Legume History Description Residual Legume N (lb/A)	0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume	
Net Nutrients Required (lb/A)	45	-42	5	48	-35	18	57	-17	29	57	-7	39
Manure Group	Ponies - Uncollected			Ponies - Uncollected			heavy riding horses - Uncollected			heavy riding horses - Uncollected		
Application Season: Management (Incorporation, cover crops, etc.)	Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season		
Availability Factors (Total N or NH4-N & Organic N)	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N
	0.20			0.20			0.20			0.20		
P Index Application Method	Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered		
N Balanced Manure Rate (ton; gal/A)	19 tons/A			20 tons/A			24 tons/A			24 tons/A		
P Removal Balance Manure Rate (ton or gal/A; If required by P Index)	0 tons/A			0 tons/A			3 tons/A			3 tons/A		
	Crop P Removal (lb/A) 0.0			Crop P Removal (lb/A) 0.0			Crop P Removal (lb/A) 13.0			Crop P Removal (lb/A) 13.0		
P Index Value	44			40			44			31		
Planned Manure Rate (ton or gal/A)	2 tons/A			1.25 tons/A			3.4 tons/A			3.4 tons/A		
Nutrients Applied at Planned Manure Rate (lb/A)	5	10	18	3	6	11	8	17	31	8	17	31
Nutrient Balance after Manure	40	-52	-13	45	-41	7	49	-34	-2	49	-24	8
Supplemental Fertilizer (lb/A)	39	0	0	23	0	0	46	0	0	46	0	0
P Index Application Method												
Final Nutrient Balance (lb/A)	1	-52	-13	22	-41	7	3	-34	-2	3	-24	8
Multiple Application	Multiple Final			Multiple Final			Multiple Final			Multiple Final		
Manure Utilized on CMU	3 tons			0 tons			3 tons			4 tons		

App. 4: Crop Yrs. 2023	1			1A			2			3		
CMU/Field ID												
Acres	1.5			0.3			0.8			1.1		
Soil Test Report Date	September 9, 2019			September 9, 2019			September 9, 2019			September 9, 2019		
Laboratory Name	Spectrum Analytic			Spectrum Analytic			Spectrum Analytic			Spectrum Analytic		
Soil Test Levels (Mehlich-3 P & K) (Show conversions to ppm in Appendix 10)	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH
	49	86	6.1	69	100	5.3	120	115	6.2	44	107	5.5
P Index Part A Evaluation	Special Prot.			Special Prot. <150ft			Special Prot. <150ft			Special Prot. <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	2 ton/A			2 ton/A			2 ton/A			2 ton/A		
PSU Soil Test Recommendation (lb/A)	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
	100	0	80	100	0	80	100	0	60	100	10	70
User Soil Test Recommendation (lb/A)												
Other Nutrients Applied (lb/A) (Nutrients applied regardless of manure)												
P Index Application Method												
Double Crop CarryOver N (lb/A)	0			0			0			0		
Manure History Description Residual Manure N (lb/A)	35	Continuously - Summer Crop		35	Continuously - Summer Crop		35	Continuously - Summer Crop		35	Continuously - Summer Crop	
Legume History Description Residual Legume N (lb/A)	0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume	
Net Nutrients Required (lb/A)	65	0	80	65	0	80	65	0	60	65	10	70
Manure Group	Light horses - Uncollected			Light horses - Uncollected			Light horses - Uncollected			Light horses - Uncollected		
Application Season: Management (Incorporation, cover crops, etc.)	Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season		
Availability Factors (Total N or NH4-N & Organic N)	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N
	0.20			0.20			0.20			0.20		
P Index Application Method	Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered		
N Balanced Manure Rate (ton; gal/A)	27 tons/A			27 tons/A			27 tons/A			27 tons/A		
P Removal Balance Manure Rate (ton or gal/A, If required by P Index)	6 tons/A			6 tons/A			6 tons/A			6 tons/A		
	Crop P Removal (lb/A) 30.0			Crop P Removal (lb/A) 30.0			Crop P Removal (lb/A) 30.0			Crop P Removal (lb/A) 30.0		
P Index Value	44			40			44			31		
Planned Manure Rate (ton or gal/A)	8.32 tons/A			6.9 tons/A			3.4 tons/A			3.4 tons/A		
Nutrients Applied at Planned Manure Rate (lb/A)	20	42	75	17	35	62	8	17	31	8	17	31
Nutrient Balance after Manure	45	-42	5	48	-35	18	57	-17	29	57	-7	39
Supplemental Fertilizer (lb/A)	0	0	0	0	0	0	0	0	0	0	0	0
P Index Application Method												
Final Nutrient Balance (lb/A)												
Multiple Application	Multiple Initial			Multiple Initial			Multiple Initial			Multiple Initial		
Manure Utilized on CMU	12 tons			2 tons			3 tons			4 tons		

App. 4: Crop Yrs. 2023	1			1A			2			3		
CMU/Field ID												
Acres	1.5			0.3			0.8			1.1		
Soil Test Report Date	September 9, 2019			September 9, 2019			September 9, 2019			September 9, 2019		
Laboratory Name	Spectrum Analytic			Spectrum Analytic			Spectrum Analytic			Spectrum Analytic		
Soil Test Levels (Mehlich-3 P & K) (Show conversions to ppm in Appendix 10)	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH	ppm P	ppm K	pH
	49	86	6.1	69	100	5.3	120	115	6.2	44	107	5.5
P Index Part A Evaluation	Special Prot.			Special Prot. <150ft			Special Prot. <150ft			Special Prot. <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	2 ton/A			2 ton/A			2 ton/A			2 ton/A		
PSU Soil Test Recommendation (lb/A)	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
	100	0	80	100	0	80	100	0	60	100	10	70
User Soil Test Recommendation (lb/A)												
Other Nutrients Applied (lb/A) (Nutrients applied regardless of manure)												
P Index Application Method												
Double Crop CarryOver N (lb/A)	0			0			0			0		
Manure History Description Residual Manure N (lb/A)	0	Continuously - Summer Crop		0	Continuously - Summer Crop		0	Continuously - Summer Crop		0	Continuously - Summer Crop	
Legume History Description Residual Legume N (lb/A)	0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume	
Net Nutrients Required (lb/A)	45	-42	5	48	-35	18	57	-17	29	57	-7	39
Manure Group	Ponies - Uncollected			Ponies - Uncollected			heavy riding horses - Uncollected			heavy riding horses - Uncollected		
Application Season: Management (Incorporation, cover crops, etc.)	Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season			Grazing anytime with nutrient uptake during growing season		
Availability Factors (Total N or NH4-N & Organic N)	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N
	0.20			0.20			0.20			0.20		
P Index Application Method	Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered			Surface app. when frozen/snow covered		
N Balanced Manure Rate (ton; gal/A)	19 tons/A			20 tons/A			24 tons/A			24 tons/A		
P Removal Balance Manure Rate (ton or gal/A, If required by P Index)	0 tons/A			0 tons/A			3 tons/A			3 tons/A		
	Crop P Removal (lb/A) 0.0			Crop P Removal (lb/A) 0.0			Crop P Removal (lb/A) 13.0			Crop P Removal (lb/A) 13.0		
P Index Value	44			40			44			31		
Planned Manure Rate (ton or gal/A)	2 tons/A			1.25 tons/A			3.4 tons/A			3.4 tons/A		
Nutrients Applied at Planned Manure Rate (lb/A)	5	10	18	3	6	11	8	17	31	8	17	31
Nutrient Balance after Manure	40	-52	-13	45	-41	7	49	-34	-2	49	-24	8
Supplemental Fertilizer (lb/A)	39	0	0	23	0	0	46	0	0	46	0	0
P Index Application Method												
Final Nutrient Balance (lb/A)	1	-52	-13	22	-41	7	3	-34	-2	3	-24	8
Multiple Application	Multiple Final			Multiple Final			Multiple Final			Multiple Final		
Manure Utilized on CMU	3 tons			0 tons			3 tons			4 tons		

Appendix 5 - P Index

[redacted]

Go to NMP Index
Go to App 4 Input

Crop Yrs. 2021

Pennsylvania P Index Version 2

PART A: SCREENING TOOL CMU/Field ID						
PART A: SCREENING TOOL					CMU/Field ID	1
Is the CMU in a Special Protection watershed?					If the answer is Yes to any of these questions, Part B must be used.	Yes
Is there a significant farm management change as defined by Act 38?						No
Is the Soil Test Mehlich 3 P greater than 200 ppm P? (enter soil test value in ppm P)						49
Is the Contributing Distance from this CMU to receiving water less than 150 ft.?						No
Is winter manure application planned for this field ?						No
Run P Index Part B voluntarily? (Answers are No to all Part A questions.)						No
PART B: SOURCE FACTORS: Mehlich 3 Soil Test P (ppm P)	Mehlich 3 Soil Test P (ppm P)					49
Soil Test Rating = 0.20* Mehlich 3 Soil Test P (ppm P)						10
FERTILIZER P APPLIED REGARDLESS OF MANURE (Starter or other)					Fertilizer P (lb P2O5/acre)	0, 0
P INDEX APPLICATION METHOD OF FERTILIZER P APPLIED REGARDLESS OF MANURE[3]	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 Surface applied to frozen or snow covered soil	*, *
SUPPLEMENTAL P FERTILIZER					Fertilizer P (lb P2O5/acre)	0, 0
P INDEX APPLICATION METHOD OF SUPPLEMENTAL P FERTILIZER[3]	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 Surface applied to frozen or snow covered soil	*, *
Fertilizer Rating = Fertilizer Rate x Fertilizer Application Method						0
MANURE P RATE					Manure P (lb P2O5/acre)	42, 10
MANURE APPLICATION METHOD[3]	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 Surface applied to frozen or snow covered soil	1, 1
P SOURCE COEFFICIENT[3]	Refer to: Test results for P Source Coefficient OR Book values from P Index Fact Sheet Table 1					0.8, 0.8
Manure Rating = Manure Rate x Manure Application Method x P Source Coefficient						42
Source Factor Sum						52
PART B: TRANSPORT FACTORS EROSION	Soil Loss (ton/acre/yr)					0.12
RUNOFF POTENTIAL	0 *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[1] 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	9[2] < 100 ft.	6
Transport Sum = Erosion + Runoff Potential + Subsurface Drainage + Contributing Distance						10
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		1.0
Transport Sum x Modified Connectivity / 24						0.42
P Index Value = 2 x Source x Transport						44

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 factor or PSC, it will display an "E".

Appendix 5 - P Index

Crop Yrs. 2021

PART A: SCREENING TOOL CMU/Field ID	1A	2	3
Is the CMU in a Special Protection watershed?	Yes	Yes	Yes
A significant farm management change as defined by Act 38?	No	No	No
Soil Test Mehlich 3 P greater than 200 ppm P?	69	120	44
Contributing Distance from CMU to receiving water <150 ft.?	Yes	Yes	Yes
Is winter manure application planned for this field ?	No	No	No
Run P Index Part B voluntarily? (No to all Part A questions.)	No	No	No
PART B: SOURCE FACTORS: Mehlich 3 Soil Test P (ppm P)	69	120	44
Soil Test Rating = 0.20* Mehlich 3 Soil Test P (ppm P)	14	24	9
FERTILIZER P APPLIED REGARDLESS OF MANURE (Starter or other)	0, 0	0, 0	0, 0
P INDEX APPLICATION METHOD OF FERTILIZER P APPLIED REGARGLESS OF MANURE[3]	-, -	-, -	-, -
SUPPLEMENTAL P FERTILIZER	0, 0	0, 0	0, 0
P INDEX APPLICATION METHOD OF SUPPLEMENTAL P FERTILIZER[3]	-, -	-, -	-, -
Fertilizer Rating = Fertilizer Rate x Fertilizer Application Me	0	0	0
MANURE P RATE	35, 6	17, 17	17, 17
MANURE APPLICATION METHOD[3]	1, 1	1, 1	1, 1
P SOURCE COEFFICIENT[3]	0.8, 0.8	0.8, 0.8	0.8, 0.8
Manure Rating = Manure Rate x Manure Application Metho	33	28	28
Source Factor Sum	47	52	37
PART B: TRANSPORT FACTORS EROSION	0.17	0.15	0.27
RUNOFF POTENTIAL	4	4	4
SUBSURFACE DRAINAGE	0	0	0
CONTRIBUTING DISTANCE	6	6	6
Transport Sum = Erosion + Runoff Potential + Subsurface D	10	10	10
MODIFIED CONNECTIVITY	1.0	1.0	1.0
Transport Sum x Modified Connectivity / 24	0.42	0.42	0.43
P Index Value = 2 x Source x Transport	40	44	31

Low: 59 or less
Nitrogen based management

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 correspondir

Appendix 5 - P Index

Crop Yrs. 2022

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	1
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.	Yes
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)		49
Contributing Distance from CMU to receiving water <150 ft.?		Is the Contributing Distance from this CMU to receiving water less than 150 ft.?		No
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

PART B: SOURCE FACTORS: Mehlich 3 Soil Test P (ppm P)	Mehlich 3 Soil Test P (ppm P)					49
Soil Test Rating = 0.20* Mehlich 3 Soil Test P (ppm P)						10
FERTILIZER P APPLIED REGARDLESS OF MANURE (Starter or other)					Fertilizer P (lb P2O5/acre)	0, 0
P INDEX APPLICATION METHOD OF FERTILIZER P APPLIED REGARDLESS OF MANURE[3]	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 Surface applied to frozen or snow covered soil	-, -
SUPPLEMENTAL P FERTILIZER					Fertilizer P (lb P2O5/acre)	0, 0
P INDEX APPLICATION METHOD OF SUPPLEMENTAL P FERTILIZER[3]	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 Surface applied to frozen or snow covered soil	-, -
Fertilizer Rating = Fertilizer Rate x Fertilizer Application Method						0
MANURE P RATE					Manure P (lb P2O5/acre)	42, 10
MANURE APPLICATION METHOD[3]	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 Surface applied to frozen or snow covered soil	1, 1
P SOURCE COEFFICIENT[3]	Refer to: Test results for P Source Coefficient OR Book values from P Index Fact Sheet Table 1					0.8, 0.8
Manure Rating = Manure Rate x Manure Application Method x P Source Coefficient						42
Source Factor Sum						52

PART B: TRANSPORT FACTORS EROSION	Soil Loss (ton/acre/yr)					0.12
RUNOFF POTENTIAL	0 *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[1] 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	9[2] < 100 ft.	6
Transport Sum = Erosion + Runoff Potential + Subsurface Drainage + Contributing Distance						10
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		1.0
Transport Sum x Modified Connectivity / 24						0.42
P Index Value = 2 x Source x Transport						44

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 factor or PSC, it will display an "E".

Appendix 5 - P Index

Crop Yrs. 2022

PART A: SCREENING TOOL CMU/Field ID	1A	2	3
Is the CMU in a Special Protection watershed?	Yes	Yes	Yes
A significant farm management change as defined by Act 38?	No	No	No
Soil Test Mehlich 3 P greater than 200 ppm P?	69	120	44
Contributing Distance from CMU to receiving water <150 ft.?	Yes	Yes	Yes
Is winter manure application planned for this field ?	No	No	No
Run P Index Part B voluntarily? (No to all Part A questions.)	No	No	No
PART B: SOURCE FACTORS: Mehlich 3 Soil Test P (ppm P)	69	120	44
Soil Test Rating = 0.20* Mehlich 3 Soil Test P (ppm P)	14	24	9
FERTILIZER P APPLIED REGARDLESS OF MANURE (Starter or other)	0, 0	0, 0	0, 0
P INDEX APPLICATION METHOD OF FERTILIZER P APPLIED REGARGLESS OF MANURE[3]	-, -	-, -	-, -
SUPPLEMENTAL P FERTILIZER	0, 0	0, 0	0, 0
P INDEX APPLICATION METHOD OF SUPPLEMENTAL P FERTILIZER[3]	-, -	-, -	-, -
Fertilizer Rating = Fertilizer Rate x Fertilizer Application Me	0	0	0
MANURE P RATE	35, 6	17, 17	17, 17
MANURE APPLICATION METHOD[3]	1, 1	1, 1	1, 1
P SOURCE COEFFICIENT[3]	0.8, 0.8	0.8, 0.8	0.8, 0.8
Manure Rating = Manure Rate x Manure Application Methoc	33	28	28
Source Factor Sum	47	52	37
PART B: TRANSPORT FACTORS EROSION	0.17	0.15	0.27
RUNOFF POTENTIAL	4	4	4
SUBSURFACE DRAINAGE	0	0	0
CONTRIBUTING DISTANCE	6	6	6
Transport Sum = Erosion + Runoff Potential + Subsurface D	10	10	10
MODIFIED CONNECTIVITY	1.0	1.0	1.0
Transport Sum x Modified Connectivity / 24	0.42	0.42	0.43
P Index Value = 2 x Source x Transport	40	44	31

Low 59 or less
Nitrogen based management

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 correspondir

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	1
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.	Yes
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)		49
Contributing Distance from CMU to receiving water <150 ft.?		Is the Contributing Distance from this CMU to receiving water less than 150 ft.?		No
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
PART B: SOURCE FACTORS: Mehlich 3 Soil Test P (ppm P)		Mehlich 3 Soil Test P (ppm P)		49
Soil Test Rating = 0.20* Mehlich 3 Soil Test P (ppm P)				10
FERTILIZER P APPLIED REGARDLESS OF MANURE (Starter or other)			Fertilizer P (lb P2O5/acre)	0, 0
P INDEX APPLICATION METHOD OF FERTILIZER P APPLIED REGARDLESS OF MANURE[3]	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 Surface applied to frozen or snow covered soil	-, -
SUPPLEMENTAL P FERTILIZER					Fertilizer P (lb P2O5/acre)	0, 0
P INDEX APPLICATION METHOD OF SUPPLEMENTAL P FERTILIZER[3]	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 Surface applied to frozen or snow covered soil	-, -
Fertilizer Rating = Fertilizer Rate x Fertilizer Application Method						0
MANURE P RATE					Manure P (lb P2O5/acre)	42, 10
MANURE APPLICATION METHOD[3]	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 Surface applied to frozen or snow covered soil	1, 1
P SOURCE COEFFICIENT[3]	Refer to: Test results for P Source Coefficient OR Book values from P Index Fact Sheet Table 1					0.8, 0.8
Manure Rating = Manure Rate x Manure Application Method x P Source Coefficient						42
Source Factor Sum						52
PART B: TRANSPORT FACTORS EROSION	Soil Loss (ton/acre/yr)					0.12
RUNOFF POTENTIAL	0 *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[1] 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	9[2] < 100 ft.	6
Transport Sum = Erosion + Runoff Potential + Subsurface Drainage + Contributing Distance						10
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		1.0
Transport Sum x Modified Connectivity / 24						0.42
P Index Value = 2.x Source x Transport						44

Low: 50 or less
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 factor or PSC, it will display an "E".

Appendix 5 - P Index

Crop Yrs. 2023

PART A: SCREENING TOOL CMU/Field ID	1A	2	3
Is the CMU in a Special Protection watershed?	Yes	Yes	Yes
A significant farm management change as defined by Act 38?	No	No	No
Soil Test Mehlich 3 P greater than 200 ppm P?	69	120	44
Contributing Distance from CMU to receiving water <150 ft.?	Yes	Yes	Yes
Is winter manure application planned for this field ?	No	No	No
Run P Index Part B voluntarily? (No to all Part A questions.)	No	No	No
PART B: SOURCE FACTORS: Mehlich 3 Soil Test P (ppm P)	69	120	44
Soil Test Rating = 0.20* Mehlich 3 Soil Test P (ppm P)	14	24	9
FERTILIZER P APPLIED REGARDLESS OF MANURE (Starter or other)	0, 0	0, 0	0, 0
P INDEX APPLICATION METHOD OF FERTILIZER P APPLIED REGARDLESS OF MANURE[3]	-, -	-, -	-, -
SUPPLEMENTAL P FERTILIZER	0, 0	0, 0	0, 0
P INDEX APPLICATION METHOD OF SUPPLEMENTAL P FERTILIZER[3]	-, -	-, -	-, -
Fertilizer Rating = Fertilizer Rate x Fertilizer Application Me	0	0	0
MANURE P RATE	35, 6	17, 17	17, 17
MANURE APPLICATION METHOD[3]	1, 1	1, 1	1, 1
P SOURCE COEFFICIENT[3]	0.8, 0.8	0.8, 0.8	0.8, 0.8
Manure Rating = Manure Rate x Manure Application Metho	33	28	28
Source Factor Sum	47	52	37
PART B: TRANSPORT FACTORS EROSION	0.17	0.15	0.27
RUNOFF POTENTIAL	4	4	4
SUBSURFACE DRAINAGE	0	0	0
CONTRIBUTING DISTANCE	6	6	6
Transport Sum = Erosion + Runoff Potential + Subsurface D	10	10	10
MODIFIED CONNECTIVITY	1.0	1.0	1.0
Transport Sum x Modified Connectivity / 24	0.42	0.42	0.43
P Index Value = 2 x Source x Transport	40	44	31

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 correspondir

Appendix 6

Manure Management

Date of Site Evaluation: August 29, 2019

Statement Documenting Areas Evaluated During Site Evaluation

List and clearly identify each of the specific areas evaluated.

A site visit was conducted on August 29, 2019 to determine if there are manure handling issues on the operation. During the visit, the barn area, riding ring, and the paddocks/ACAs were all looked at to determine if there are manure issues present.

Identification of Inadequate Manure Management Practices and Conditions

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

The ACA and outdoor riding ring need to continue to be cleaned and maintained so manure does not build up in the small paddock area. Clean ACAs every 2 to 3 days and stack manure away from surface water. The grass growth on Paddock 1 is starting but needs some fertility. The gravel manure stacking area could be reinforced for better cleanup and water protection.

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.

Continue liming and fertility management and pasture planting are needed in Pastures 1 and 2. ACAs will need to be cleaned every two days to keep manure from building up. Stack manure on existing manure stack as it appears to be located away from any surface water. Forage and biomass plantings in the pastures as well as rest time will be required to ensure good pasture grass growth. Refer to NRCS Standard 512 for more details

A concrete manure stacking area will replace the gravel stacking area in its current location. This will assist in better clean up of the manure pile.

Appendix 7

Stormwater Control

Date of Site Evaluation: August 29, 2019

Statement Documenting Areas Evaluated During Site Evaluation

List and clearly identify each of the specific areas evaluated.

A site visit was conducted on August 29, 2019 to determine if there are any erosion issues currently on the operation. During the visit, the paddocks/ACAs, lanes, and building areas were looked to determine if there are erosion issues.

Identification of Critical Runoff Problem Areas

List of each specific critical runoff problem area identified.

During the visit, the pastures showed little sign of erosion . Reseeding to establish a better grass cover will help eliminate this.

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.

Pasture management will be required to increase the grass coverage/ content of the pastures. This will stabilize the areas in question. Refer to NRCS standard 512 (attached in appendix 10) for plnting tips and standard.

Appendix 8

Importer/Broker Agreements & NBSs

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

Exporter/Importer Agreement

Manure Used For Agricultural Land Application

Developed consistent with the PA Nutrient and Odor Management Act Program

1) This agreement is entered into on December 20, 2019 by Lauren Swecklik (the "exporter") who will supply manure, and Dave Trumbower (the "importer"), 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 importer.

3) The exporter is located at (county, twp, and address): 232 Harris Pond Rd. Sweet Valley, Ross Township, Luzerne County, Pennsylvania, 18656

4) The exporter will, as the supply of manure allows, provide the following amounts of manure during the seasons outlined below:

Tons of Horse (species) manure, per season:
Spring 40.75 Summer 40.75 Fall 40.75 Winter 40.75

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 Horse (species) manure: 163
Gallons of _____ (species) manure: _____

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

5) The importer's location and other relevant information as it relates to this manure export, is as follows (maps indicating the location of importing fields must be attached to the supporting Nutrient Balance Sheets if manure is to be land applied at the importing site):

a) Phone number: 570-256-3047
b) County(s): Luzerne
c) Address: 181 Old Tavern Rd.
d) Township(s): Hunlock
d) Owner(s) of the property receiving manure: Lewis Moss
e) Total cropland acres managed by the importer: 33
f) Number and type of animals raised by the importer: 0
g) Number of acres available for this imported manure: 33
h) Other manures (type, amount) imported to the site AND/OR utilized on the site: (Note: this would include manure that is generated on the site by the importers animals, etc.) NONE

- If other manure is generated, imported and/or utilized, is it applied to the same acres as indicated in item "g" above (relating to "acres available"): Yes or No

- If other manure is generated, imported and/or utilized, is it applied during the same season as the imported manure: Yes or (No)

6) The exporter will use a Manure Export Sheet to record all manure exported to the importer. 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.

7) Records relating to the export of manure shall be prepared by the exporter in accordance with the following requirements of the Nutrient and Odor Management Act regulations:

a) A Manure Export Sheet shall be used to document all manure exports for their records
   - A copy of the Manure Export Sheet shall be provided to the importer
   - A copy of the Manure Export Sheet shall be retained on site by the exporter

b) When the exporter (or someone working for, or contracted by the exporter) applies the exported manure, the exporter shall maintain the following exported manure records:
   - Application dates, areas, rates and methods

c) Records shall be maintained by the exporter for a minimum of 3 years

d) A manure export informational packet (as supplied by the conservation district or State Conservation Commission) shall be provided to the importer by the time of the manure export. This information only needs to be provided once to the importer.
The manure export informational packet must include the following:
   i. Exported Manure Informational Packet Guidance Sheet
   ii. Nutrient Management Planning an Overview (Agronomy Facts 60)
   iii. Manure Management for Environmental Protection
   iv. Land Application of Manure- A supplement to the Manure Management Manual Plan Guidance
   v. Manure Export Sheet
   vi. Manure Transfer Summary Sheets
   vii. Manure Field Stacking Requirements Fact Sheet

8) Where applicable, the importer shall properly store manure received from the exporter in accordance with the provisions of the Manure Management Manual and the Pa Technical Guide and shall not cause contamination of surface or ground water. This shall include manure stacked in application fields which may not be retained in fields for > 120 days unless covered or otherwise protected .

9) Manure received by the importer shall be applied to the land at the rate(s) and method(s) provided in the attached "Nutrient Balance Sheet(s)", or in accordance with a Nutrient Management Plan approved for the importing operation. If the importer wishes to change the lands used for imported manure, the nutrient balance sheet must be revised to reflect the changes and be submitted to the conservation district or State Conservation Commission (and DEP if the exporter is a CAFO) prior to implementing the changes.

10) The importer shall comply with applicable manure application setbacks for the imported manure, as outlined in the Nutrient Balance Sheet map(s).

11) For any lands not owned by the importer where the manure will be applied (i.e., rented lands), the importer hereby confirms that the importer has the authority to apply manure on those lands.

12) 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.

Exporter Signature, Name and Date

Lauren Swicklik (signature)

Lauren Swicklik (name)

12-20-19 (date)

Importer Signature, Name and Date

[signature] (signature)

DAVID trumBOWER (name)

12/20/2019 (date)

Nutrient Balance Sheet

Prepared for

Dave Trumbower
181 Old Tavern Rd, Hunlock Creek PA 18621
570-256-3067

Prepared by

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

Nutrient Management Specialist or Broker 2 Signature

Date of Development September 16, 2019

Exporter Information
Lauren Swicklick
232 Harris Pond Rd., Sweet Valley PA 18656

County of Origin Luzurne

Nutrient Balance Worksheet Appendices

The following appendices need to accompany the Nutrient Balance Worksheets if applicable:

- Maps of fields where manure is to applied including required manure application setbacks.
- Completed P-Index spreadsheet and Winter Matrix for each crop management unit (if using Manure Plan Basis: Option 3)

Nutrient Balance Sheet Summary

Importing Farm: Dave Trumbauer

Whole Farm Note:

Crop Group	Fields	Acres	Crop	Manure Group	Application Season	Application Management	Planned Manure Rate[1]		Starter/Other Fertilizer (lb/A)			Supplemental Fertilizer (lb/A)			Nutrient Balance (lb/A)[2]		
									N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1-11 except 2 corn	1, 3-11	31.49	Corn for Grain	Swicklick manure	Spring	Spring: Spring or summer utilization-Incorporation after 7 days or none	10	tons/A	108	0	0	25			0	-2	-106
2 corn	2	4.16	Corn for Grain	Swicklick manure	Spring	Spring: Spring or summer utilization-Incorporation after 7 days or none	10	tons/A	108	0	0	25			0	-2	-106
1-11 except 2 hay	1, 3-11	31.49	Established Mixed Grasses	Swicklick manure	Spring	Spring: Spring or summer utilization-Incorporation after 7 days or none	10	tons/A				144			14	-12	42
2 hay	2	4.16	Established Mixed Grasses	Swicklick manure	Spring	Spring: Spring or summer utilization-Incorporation after 7 days or none	10	tons/A				144			14	-12	42
1-11 except 2 corn	1, 3-11	31.49	Corn for Grain	Swicklick manure	Late Fall	Late Fall: Early Spring Utilization. Small grains and established grass or legume hay	10	tons/A	108	0	0	0			3	-2	-106
2 corn	2	4.16	Corn for Grain	Swicklick manure	Late Fall	Late Fall: Early Spring Utilization. Small grains and established grass or legume hay	10	tons/A	108	0	0	0			3	-2	-106
1-11 except 2 hay	1, 3-11	31.49	Established Mixed Grasses	Swicklick manure	Summer	Summer: Summer utilization-Incorporation after 7 days or none	10	tons/A				144			14	-12	42
2 hay	2	4.16	Established Mixed Grasses	Swicklick manure	Summer	Summer: Summer utilization-Incorporation the same day	10	tons/A				112			13	-12	42

[1] See Nutrient Management Plan Summary Notes

[2] Positive numbers = nutrient deficit; Negative numbers = nutrient excess

NBS Summary Notes

Importing Farm: Dave Trumbauer

CMU/Field ID	Crop	Manure Group	Planned Rate Notes	Nutrient Balance Notes	Notes
1-11 except 2 corn	Corn for Grain	Swicklick manure	Planned rate can be applied annually	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs	
2 corn	Corn for Grain	Swicklick manure	Planned rate can be applied annually	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs	
1-11 except 2 hay	Established Mixed Grasses	Swicklick manure	Planned rate can be applied annually	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs	
2 hay	Established Mixed Grasses	Swicklick manure	Planned rate can be applied annually	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs	
1-11 except 2 corn	Corn for Grain	Swicklick manure	Planned rate can be applied annually	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs	
2 corn	Corn for Grain	Swicklick manure	Planned rate can be applied annually	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs	
1-11 except 2 hay	Established Mixed Grasses	Swicklick manure	Planned rate can be applied annually	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs	
2 hay	Established Mixed Grasses	Swicklick manure	Planned rate can be applied annually	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs	

Manure Group Information

Appendix 3 Manure Group Information	Swicklick manure
Manure Report Date (note if averaging several reports)	September 9, 2019
Laboratory Name	Spectrum Analytic Inc
Manure Type	Other
Manure Unit (lbs/ton or 1000 gal)	lb/ton
Total Nitrogen (N) (lbs/ton or 1000 gal)	11.00
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	1.40
Total Organic N (lbs/ton or 1000 gal)	9.60
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	7.20
Total Potash (K_2O) (lbs/ton or 1000 gal)	15.80
Percent Solids	60.84
PSC Value (analytical or book value)	0.40

Nutrient Balance Sheets	1-11 except 2 corn			2 corn			1-11 except 2 hay		
Crop Group Indentification									
Fields	1, 3-11			2			1, 3-11		
Acres	31.5			4.2			31.5		
NBS Option	Option 2 Nitrogen Requirement			Option 2 Nitrogen Requirement			Option 2 Nitrogen Requirement		
P Banking									
Mehlich 3 Soil Test P For Option 2 enter maximum Soil Test For Option 3 enter soil test for PI	ppm P 89			ppm P 89			ppm P 89		
P Index Part A Evaluation									
Part A Result	P Index not Required			P Index not Required			P Index not Required		
Crop	Corn for Grain			Corn for Grain			Established Mixed Grasses		
Planned Yield	175 bu/A			175 bu/A			4 ton/A		
Crop Removal Recommendations (LB/A)	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
	175	70	53	175	70	53	200	60	200
Soil Test Recommendation (lb/A)									
Other Nutrients Applied (lb/A) (Nutrients applied regardless of manure)	108	0	0	108	0	0			
P Index Application Method									
Double Crop CarryOver N (lb/A)	0			0			0		
Manure History Description Residual Manure N (lb/A)	20	Frequently - Summer Crop		20	Frequently - Summer Crop		20	Frequently - Summer Crop	
Legume History Description Residual Legume N (lb/A)	0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume	
Net Nutrients Required (lb/A)	47	70	53	47	70	53	180	60	200
Manure Group	Swicklick manure			Swicklick manure			Swicklick manure		
Units	lb/ton			lb/ton			lb/ton		
Manure Nutrient Content	N	P2O5	K20	N	P2O5	K20	N	P2O5	K20
(lbs/ton or 1000 gal)	11.00	7.20	15.80	11.00	7.20	15.80	11.00	7.20	15.80
Application Season: Management (Incorporation, cover crops, etc.)	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 (Total N or NH4-N & Organic N)	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N
	0.20			0.20			0.20		
P Index Application Method									
N Balanced Manure Rate (ton; gal/A)	21 tons/A			21 tons/A			82 tons/A		
P Removal Balance Manure Rate (ton or gal/A; If required by P Index)	19 tons/A Crop P Removal (lb/A) 140.0			19 tons/A Crop P Removal (lb/A) 140.0			17 tons/A Crop P Removal (lb/A) 120.0		
P Index Value									
Planned Manure Rate (ton or gal/A)	10 tons/A			10 tons/A			10 tons/A		
Nutrients Applied at Planned Manure Rate (lb/A)	22	72	158	22	72	158	22	72	158
Nutrient Balance after Manure	25	-2	-106	25	-2	-106	158	-12	42
Supplemental Fertilizer (lb/A)	25	0	0	25	0	0	144	0	0
P Index Application Method									
Final Nutrient Balance (lb/A)	0	-2	-106	0	-2	-106	14	-12	42
Multiple Application									
Soil test or Crop Removal	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs			Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to detemine additional fertilizer needs			Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs		

Nutrient Balance Sheets	2 hay			1-11 except 2 corn			2 corn		
Crop Group Indentification									
Fields	2			1, 3-11			2		
Acres	4.2			31.5			4.2		
NBS Option	Option 2 Nitrogen Requirement			Option 2 Nitrogen Requirement			Option 2 Nitrogen Requirement		
P Banking									
Mehlich 3 Soil Test P For Option 2 enter maximum Soil Test For Option 3 enter soil test for PI	ppm P 89			ppm P 89			ppm P 89		
P Index Part A Evaluation									
Part A Result	P Index not Required			P Index not Required			P Index not Required		
Crop	Established Mixed Grasses			Corn for Grain			Corn for Grain		
Planned Yield	4 ton/A			175 bu/A			175 bu/A		
Crop Removal Recommendations (LB/A)	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
	200	60	200	175	70	53	175	70	53
Soil Test Recommendation (lb/A)									
Other Nutrients Applied (lb/A) (Nutrients applied regardless of manure)				108	0	0	108	0	0
P Index Application Method									
Double Crop CarryOver N (lb/A)	0			0			0		
Manure History Description Residual Manure N (lb/A)	20	Frequently - Summer Crop		20	Frequently - Summer Crop		20	Frequently - Summer Crop	
Legume History Description Residual Legume N (lb/A)	0	No Previous Year Legume		0	No Previous Year Legume		0	No Previous Year Legume	
Net Nutrients Required (lb/A)	180	60	200	47	70	53	47	70	53
Manure Group	Swicklick manure			Swicklick manure			Swicklick manure		
Units	lb/ton			lb/ton			lb/ton		
Manure Nutrient Content	N	P2O5	K20	N	P2O5	K20	N	P2O5	K20
(lbs/ton or 1000 gal)	11.00	7.20	15.80	11.00	7.20	15.80	11.00	7.20	15.80
Application Season: Management (Incorporation, cover crops, etc.)	Spring: Spring or summer utilization-Incorporation after 7 days or none			Late Fall: Early Spring Utilization. Small grains and established grass or legume hay			Late Fall: Early Spring Utilization. Small grains and established grass or legume hay		
Availability Factors (Total N or NH4-N & Organic N)	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N	Total N	NH4-N	Org. N
	0.20			0.40			0.40		
P Index Application Method									
N Balanced Manure Rate (ton; gal/A)	82 tons/A			11 tons/A			11 tons/A		
P Removal Balance Manure Rate (ton or gal/A; If required by P Index)	17 tons/A Crop P Removal (lb/A) 120.0			9 tons/A Crop P Removal (lb/A) 68.0			9 tons/A Crop P Removal (lb/A) 68.0		
P Index Value									
Planned Manure Rate (ton or gal/A)	10 tons/A			10 tons/A			10 tons/A		
Nutrients Applied at Planned Manure Rate (lb/A)	22	72	158	44	72	158	44	72	158
Nutrient Balance after Manure	158	-12	42	3	-2	-106	3	-2	-106
Supplemental Fertilizer (lb/A)	144	0	0	0	0	0	0	0	0
P Index Application Method									
Final Nutrient Balance (lb/A)	14	-12	42	3	-2	-106	3	-2	-106
Multiple Application									
Soil test or Crop Removal	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs			Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs			Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs		

Nutrient Balance Sheets	1-11 except 2 hay			2 hay		
Crop Group Indentification						
Fields	1, 3-11			2		
Acres	31.5			4.2		
NBS Option	Option 2 Nitrogen Requirement			Option 2 Nitrogen Requirement		
P Banking						
Mehlich 3 Soil Test P For Option 2 enter maximum Soil Test For Option 3 enter soil test for PI	ppm P 89			ppm P 89		
P Index Part A Evaluation						
Part A Result	P Index not Required			P Index not Required		
Crop	Established Mixed Grasses			Established Mixed Grasses		
Planned Yield	4 ton/A			4 ton/A		
Crop Removal Recommendations (LB/A)	N 200	P2O5 60	K2O 200	N 200	P2O5 60	K2O 200
Soil Test Recommendation (lb/A)						
Other Nutrients Applied (lb/A) (Nutrients applied regardless of manure)						
P Index Application Method						
Double Crop CarryOver N (lb/A)	0			0		
Manure History Description Residual Manure N (lb/A)	20	Frequently - Summer Crop		20	Frequently - Summer Crop	
Legume History Description Residual Legume N (lb/A)	0	No Previous Year Legume		0	No Previous Year Legume	
Net Nutrients Required (lb/A)	180	60	200	180	60	200
Manure Group	Swicklick manure			Swicklick manure		
Units	lb/ton			lb/ton		
Manure Nutrient Content (lbs/ton or 1000 gal)	N 11.00	P2O5 7.20	K20 15.80	N 11.00	P2O5 7.20	K20 15.80
Application Season: Management (Incorporation, cover crops, etc.)	Summer: Summer utilization-Incorporation after 7 days or none			Summer: Summer utilization-Incorporation the same day		
Availability Factors (Total N or NH4-N & Organic N)	Total N 0.20	NH4-N	Org. N	Total N 0.50	NH4-N	Org. N
P Index Application Method						
N Balanced Manure Rate (ton; gal/A)	62 tons/A			33 tons/A		
P Removal Balance Manure Rate (ton or gal/A, if required by P Index)	7 tons/A Crop P Removal (lb/A) 48.0			7 tons/A Crop P Removal (lb/A) 48.0		
P Index Value						
Planned Manure Rate (ton or gal/A)	10 tons/A			10 tons/A		
Nutrients Applied at Planned Manure Rate (lb/A)	22	72	158	55	72	158
Nutrient Balance after Manure	158	-12	42	125	-12	42
Supplemental Fertilizer (lb/A)	144	0	0	112	0	0
P Index Application Method						
Final Nutrient Balance (lb/A)	14	-12	42	13	-12	42
Multiple Application						
Soil test or Crop Removal	Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs			Nutrient Balances for P2O5 and K2O are based on Crop Removal and SHOULD NOT be used to determine additional fertilizer needs		

Phosphorus Index

No P Index Part B fields in this Plan

Go to NBS Input Go to NBS Index

Pennsylvania P Index Version 2

PART A: SCREENING TOOL CMU/Field ID		PART A: SCREENING TOOL	CMU/Field ID
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.
A significant farm management change as defined by Act 38?		Is there a significant farm management change as defined by Act 38?	
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)	
Contributing Distance from CMU to receiving water <150 ft.?		Is the Contributing Distance from this CMU to receiving water less than 150 ft.?	
Is winter manure application planned for this field ?		Is winter manure application planned for this field ?	
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.)	

PART B: SOURCE FACTORS: Mehlich 3 Soil Test P (ppm P)	Mehlich 3 Soil Test P (ppm P)				
Soil Test Rating = 0.20* Mehlich 3 Soil Test P (ppm P)					
FERTILIZER P APPLIED REGARDLESS OF MANURE (Starter or other)					Fertilizer P (lb P2O5/acre)
P INDEX APPLICATION METHOD OF FERTILIZER P APPLIED REGARGLESS OF MANURE[3]	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 Surface applied to frozen or snow covered soil
SUPPLEMENTAL P FERTILIZER					Fertilizer P (lb P2O5/acre)
P INDEX APPLICATION METHOD OF SUPPLEMENTAL P FERTILIZER[3]	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 Surface applied to frozen or snow covered soil
Fertilizer Rating = Fertilizer Rate x Fertilizer Application Method					
MANURE P RATE					Manure P (lb P2O5/acre)
MANURE APPLICATION METHOD[3]	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 Surface applied to frozen or snow covered soil
P SOURCE COEFFICIENT[3]	Refer to: Test results for P Source Coefficient OR Book values from P Index Fact Sheet Table 1				
Manure Rating = Manure Rate x Manure Application Method x P Source Coefficient					
Source Factor Sum					

PART B: TRANSPORT FACTORS	Soil Loss (ton/acre/yr)				
EROSION					
RUNOFF POTENTIAL	0 *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
SUBSURFACE DRAINAGE	0 None		1 Random		2[1] Patterned
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	9[2] < 100 ft.
Transport Sum = Erosion + Runoff Potential + Subsurface Drainage + Contributing Distance					
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	
Transport Sum x Modified Connectivity / 24					
P Index Value = 2 x Source x Transport					

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

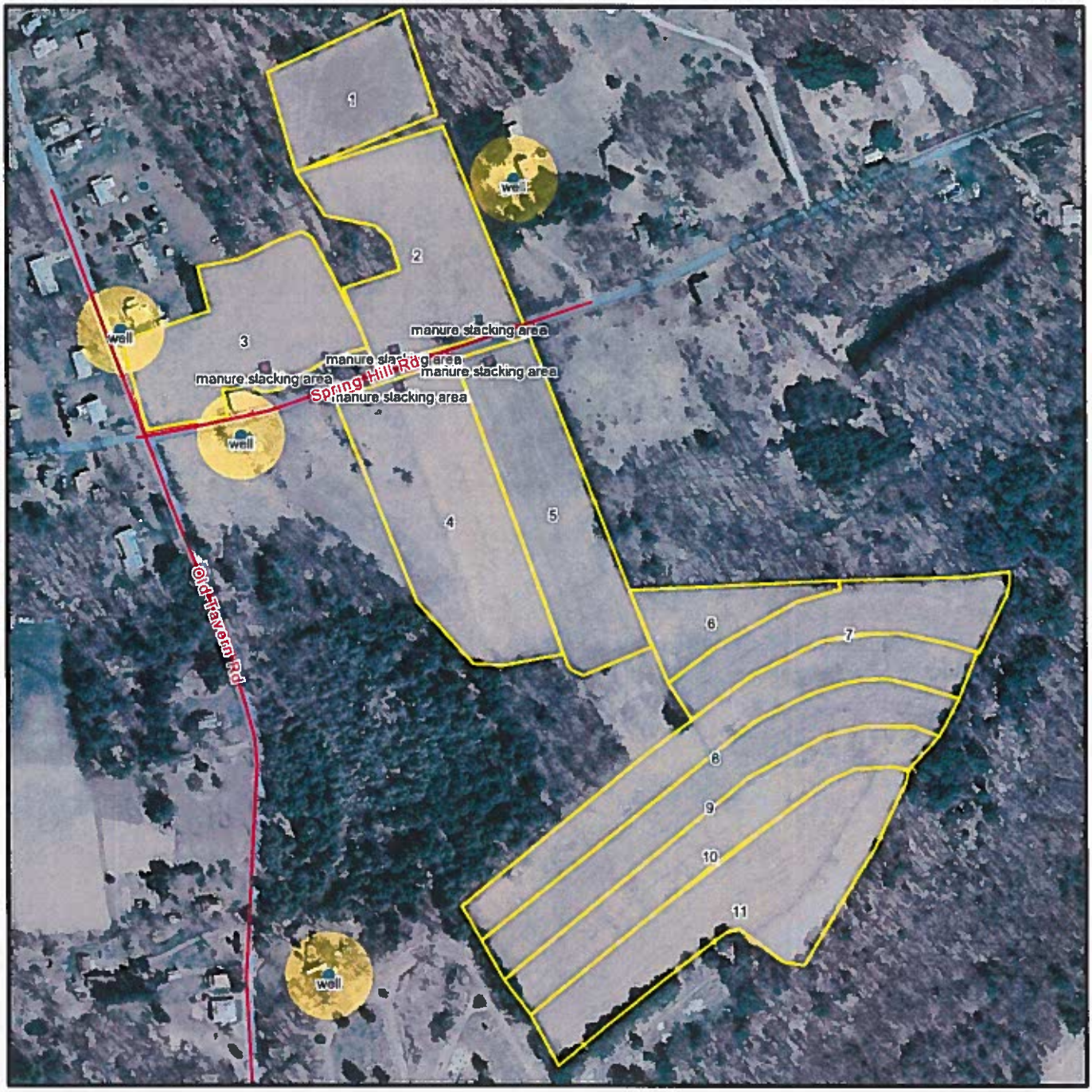
1 OR rapidly permeable soil near a stream
2 "9" factor does not apply to fields receiving manure with a 35 ft. buffer.
3 Error Note: if there is a manure or fertilizer rate and there is no corresponding method factor or PSC, it will display an "E".

Appendix 1

Operation Maps

Maps (or aerial photographs) required in Nutrient Balance Sheets must identify: road and road names adjacent to and within the operation; field identification, boundaries and acreage; manure application setback areas and vegetated buffers and associated landscape features (streams and other water bodies, sinkholes, and active water wells or springs); and location of in-field manure stacking areas (including each site in stacking area rotation).

David Trumbower Operation



* 330.0 feet per inch

0 165 330 495 660 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	

N

Created by the Penn State Geospatial Technology Program, Land Analysis Lab. http://www.paonestop.org Created on: 10/21/17

Dave Trumbauer

* 416.0 feet per inch

0 208 416 624 832 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	

N

Created by the Penn State Geospatial Technology Program, Land Analysis Lab. http://www.paonestop.org Created on: 11/07/19

Field Acreages

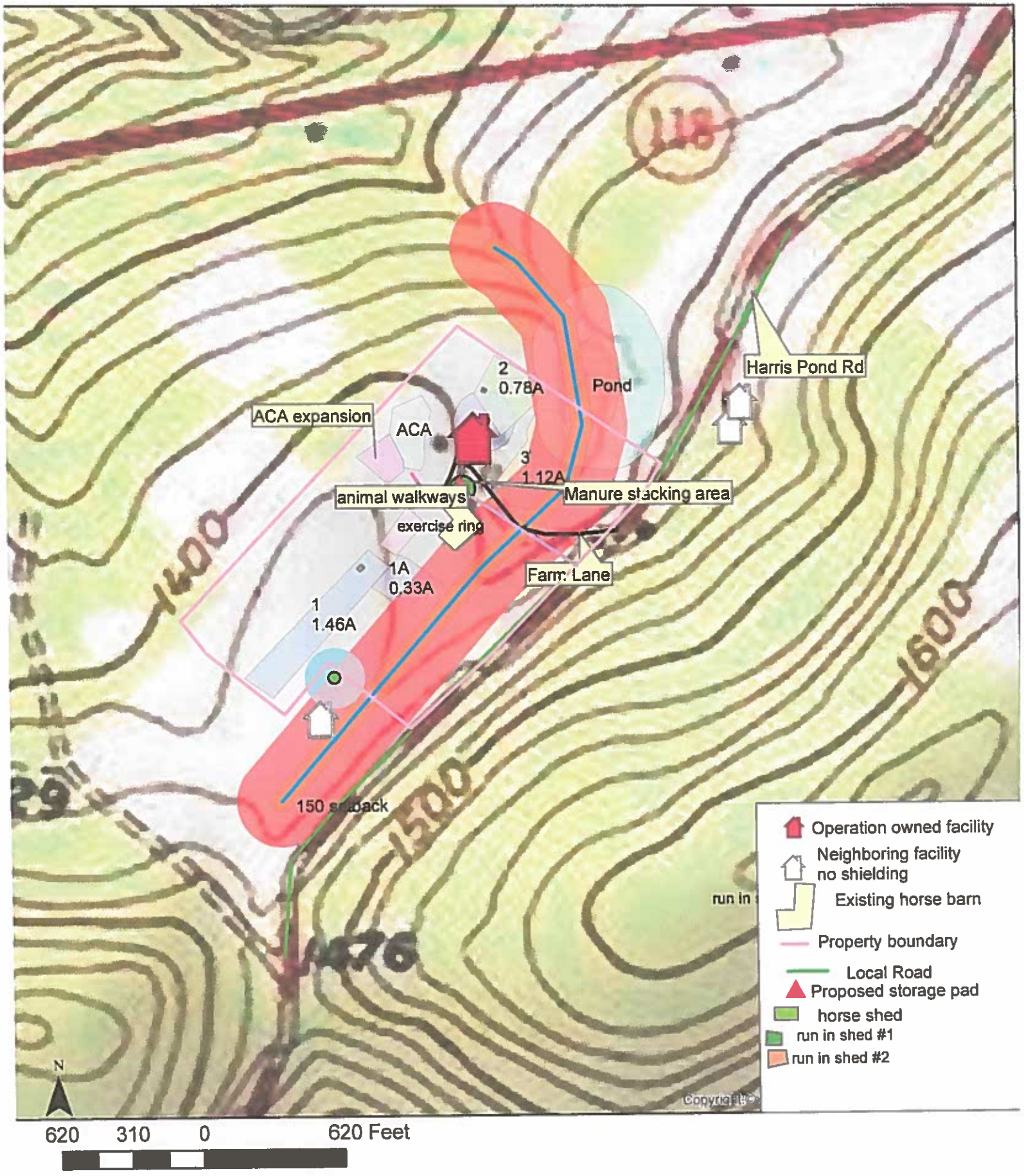
Field	Label	Description	Acres	Suitable Acres
1	1		1.94	1.94
10	10		2.64	2.64
11	11		4.03	4.03
2	2		3.46	3.46
3	3		3.16	2.98
4	4		4.34	4.34
5	5		3.32	3.32
6	6		1.13	1.13
7	7		2.18	2.18
8	8		2.99	2.99
9	9		2.84	2.84
		Totals	**32.03**	**31.85**

Appendix 9

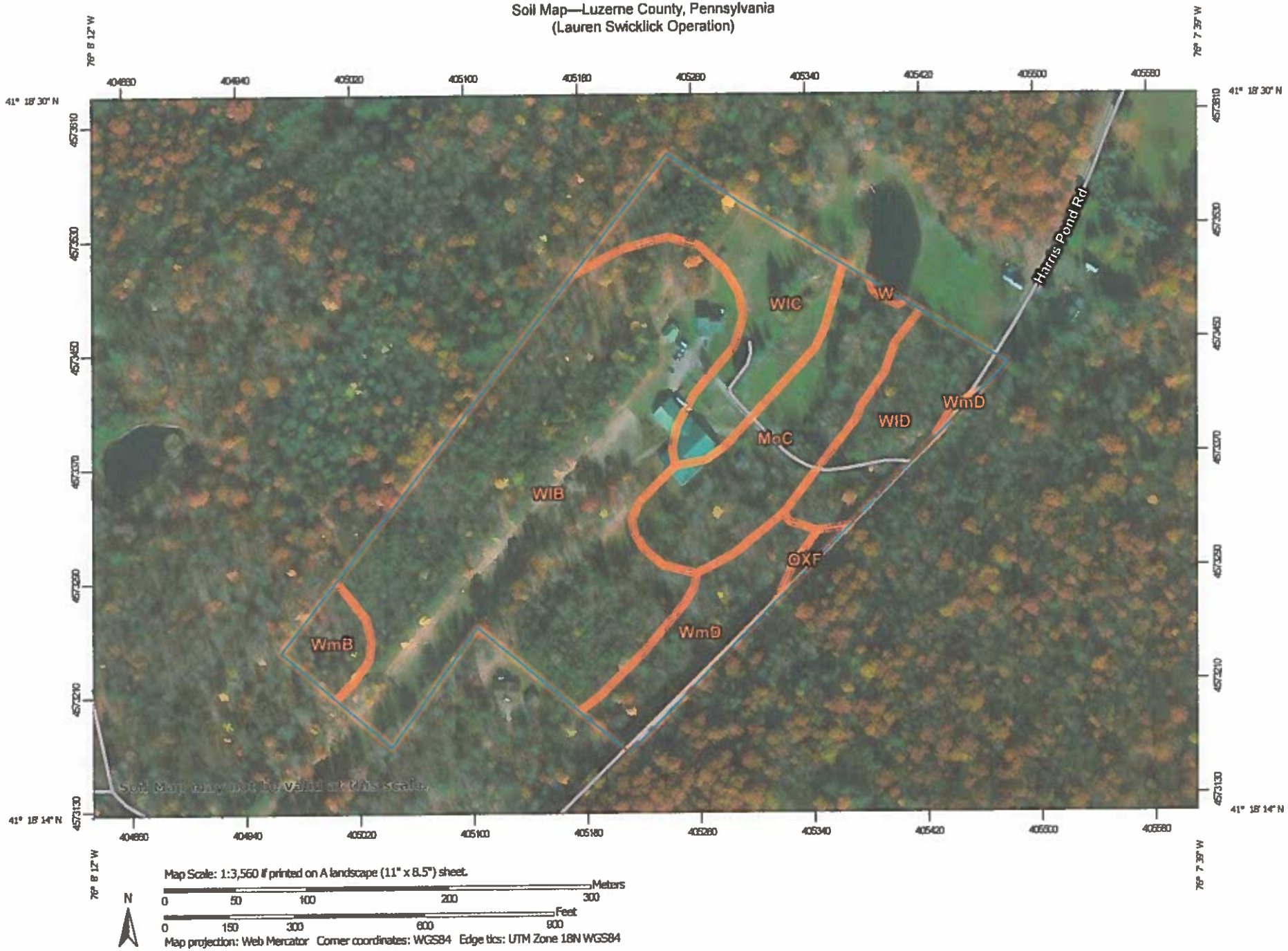
Operation Maps

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.

Lauren Swicklik Operation



Soil Map—Luzerne County, Pennsylvania
(Lauren Swicklick Operation)



Map Scale: 1:3,560 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Luzerne County, Pennsylvania
Survey Area Data: Version 14, Sep 17, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 29, 2010—Nov 22, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
MoC	Morris channery silt loam, 8 to 15 percent slopes	3.6	14.3%
OXF	Oquaga and Lordstown extremely stony silt loams steep	0.1	0.6%
W	Water	0.0	0.1%
WlB	Wellsboro channery silt loam, 3 to 8 percent slopes	13.1	51.5%
WlC	Wellsboro channery silt loam, 8 to 15 percent slopes	3.4	13.5%
WlD	Wellsboro channery silt loam, 15 to 25 percent slopes	2.2	8.8%
WmB	Wellsboro channery silt loam, 3 to 8 percent slopes, extremely stony	0.7	2.8%
WmD	Wellsboro channery silt loam, 8 to 25 percent slopes, extremely stony	2.1	8.4%
Totals for Area of Interest		**25.5**	**100.0%**

Supporting Information & Documentation

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. 2021	Horses					
	Average	1 year ago	2 years ago	3 years ago	4 years ago	5 years ago
Manure Report Date	Sep 09 2019	Sep 09 2019	Jul 08 2019			
Laboratory Name	spectrum analytic inc	spectrum analytic inc	spectrum analytic inc			
Manure Type	Other	Other	Other			
Manure Unit (lbs/ton or 1000 gal)	lb/ton	lb/ton	lb/ton			
Total Nitrogen (N) (lbs/ton or 1000 gal)	11.00	11.00	11.00			
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	1.33	1.40	1.20			
Total Organic N (lbs/ton or 1000 gal)	9.78	9.60	9.80			
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	6.70	7.20	6.20			
Total Potash (K_2O) (lbs/ton or 1000 gal)	14.10	15.60	12.40			
Percent Solids	38.77	39.16	38.37			
PSC Value (Enter analytical or book value)	0.80	0.80	0.80			

Manure Analysis 5 Year Running Average

Manure Average for Crop Years. 2022	Horses					
	Average	1 year ago	2 years ago	3 years ago	4 years ago	5 years ago
Manure Report Date	Sep 09 2019	Sep 09 2019	Jul 06 2019			
Laboratory Name	spectrum analytic inc	spectrum analytic inc	spectrum analytic inc			
Manure Type	Other	Other	Other			
Manure Unit (lbs/ton or 1000 gal)	lb/ton	lb/ton	lb/ton			
Total Nitrogen (N) (lbs/ton or 1000 gal)	11.00	11.00	11.00			
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	1.30	1.40	1.20			
Total Organic N (lbs/ton or 1000 gal)	9.70	9.60	9.80			
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	6.70	7.20	6.20			
Total Potash (K_2O) (lbs/ton or 1000 gal)	14.10	15.60	12.40			
Percent Solids	38.77	39.16	38.37			
PSC Value (Enter analytical or book value)	0.60	0.60	0.60			

NON-FINAL FORM
Version 1.0
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
November 7, 2019
Month, Day and Year

Nutrient Management Plan

For Crop Year(s)
2021-2023

Prepared For

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

Dallas Equine Center, LLC - Pinewood Acres
Lauren Swicklik- Operator
232 Harris Pond Rd
Sweet Valley, PA 18656
570-574-5773

NON-FINAL FORM
Version 2.0
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
December 19, 2019
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

NON-FINAL FORM
Version 3.0
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
January 2, 2020
Month, Day and Year

Nutrient Management Specialist's Program Certification Number
965 NMC

Administratively Complete Date
November 7, 2019

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 21, 2020 meeting SBC
January 6, 2020
MONTH, DAY AND YEAR

Table of Contents

Nutrient Management Plan Summary

Total acres reported in NMP Summary: 3.7 **Crop Year(s)** 2021

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.

Operation Acres:

Total Acres: 24.2 **Total Acres Available For Nutrient Application Under Operator's Control:** **Owned:** 3.7 **Rented:** 0

Animal Equivalent Units: 18.20 **Animal Equivalent Units Per Acre:** 4.92

CMU/Field ID	Acres	Crop	Manure Group	Application Season	Application Management	Planned Manure Rate[1]		Starter/Other Fertilizer (lb/A)			Supplemental Fertilizer (lb/A)			Nutrient Balance (lb/A)[2]		
								N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	1.46	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
1A	0.33	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
2	0.78	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
3	1.12	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
1	1.46	Established Pasture (without legume)	Ponies - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				39	0	0	1	-52	-13
1A	0.33	Established Pasture (without legume)	Ponies - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				23	0	0	22	-41	7

[1] See rate calibration table (Nutrient Management Plan Summary Notes).

[2] Positive numbers = nutrient deficit; Negative numbers = nutrient excess

CMU/Field ID	Acres	Crop	Manure Group	Application Season	Application Management	Planned Manure Rate[1]		Starter/Other Fertilizer (lb/A)			Supplemental Fertilizer (lb/A)			Nutrient Balance (lb/A)[2]		
								N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
2	0.78	Established Pasture (without legume)	heavy riding horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				46	0	0	3	-34	-2
3	1.12	Established Pasture (without legume)	heavy riding horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				46	0	0	3	-24	8

[1] See rate calibration table (Nutrient Management Plan Summary Notes).

[2] Positive numbers = nutrient deficit; Negative numbers = nutrient excess

NMP Summary Notes

Crop Years 2021

CMU/Field ID	Notes
1	4 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
1A	2 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
2	2 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
3	2 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
1	3 ponies on paddock for 283.5 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided in the paddock typically.
1A	3 ponies on paddock for 40 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided in the paddock typically.
2	2 heavy riding horses on paddock for 165 days for 5 hours per day. Paddocks are for exercise only, no food or water is provided typically.
3	2 heavy riding horses on paddock for 165 days for 5 hours per day. Paddocks are for exercise only, no food or water is provided typically.

[1] See rate calibration table (Nutrient Management Plan Summary Notes).

[2] Positive numbers = nutrient deficit; Negative numbers = nutrient excess

Manure Spreader Calibration Notes

1

Crop Years 2021

Manure Application Rate	Manure Spreader Used	Spreader Settings	Tractor Used (if applicable)	Tractor Settings (speed, gear, rpm, pto, etc.)
no manure	is mechanically	applied on the operation		

Nutrient Management Plan Summary

Total acres reported in NMP Summary: 3.7 **Crop Year(s)** 2022

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.

Operation Acres:

Total Acres: 24.2 **Total Acres Available For Nutrient Application Under Operator's Control: Owned:** 3.7 **Rented:** 0

Animal Equivalent Units: 18.20 **Animal Equivalent Units Per Acre:** 4.92

CMU/Field ID	Acres	Crop	Manure Group	Application Season	Application Management	Planned Manure Rate[1]		Starter/Other Fertilizer (lb/A)			Supplemental Fertilizer (lb/A)			Nutrient Balance (lb/A)[2]		
								N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	1.46	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
1A	0.33	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
2	0.78	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
3	1.12	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
1	1.46	Established Pasture (without legume)	Ponies - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				39	0	0	1	-52	-13
1A	0.33	Established Pasture (without legume)	Ponies - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				23	0	0	22	-41	7

[1] See rate calibration table (Nutrient Management Plan Summary Notes).

[2] Positive numbers = nutrient deficit; Negative numbers = nutrient excess

CMU/Field ID	Acres	Crop	Manure Group	Application Season	Application Management	Planned Manure Rate[1]		Starter/Other Fertilizer (lb/A)			Supplemental Fertilizer (lb/A)			Nutrient Balance (lb/A)[2]		
								N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
2	0.78	Established Pasture (without legume)	heavy riding horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				46	0	0	3	-34	-2
3	1.12	Established Pasture (without legume)	heavy riding horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				46	0	0	3	-24	8

[1] See rate calibration table (Nutrient Management Plan Summary Notes).

[2] Positive numbers = nutrient deficit; Negative numbers = nutrient excess

NMP Summary Notes

Crop Years 2022

CMU/Field ID	Notes
1	4 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
1A	2 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
2	2 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
3	2 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
1	3 ponies on paddock for 283.5 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided in the paddock typically.
1A	3 ponies on paddock for 40 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided in the paddock typically.
2	2 heavy riding horses on paddock for 165 days for 5 hours per day. Paddocks are for exercise only, no food or water is provided typically.
3	2 heavy riding horses on paddock for 165 days for 5 hours per day. Paddocks are for exercise only, no food or water is provided typically.

[1] See rate calibration table (Nutrient Management Plan Summary Notes).

[2] Positive numbers = nutrient deficit; Negative numbers = nutrient excess

Manure Spreader Calibration Notes

1

Crop Years 2022

Manure Application Rate	Manure Spreader Used	Spreader Settings	Tractor Used (if applicable)	Tractor Settings (speed, gear, rpm, pto, etc.)
no manure	is mechanically	applied on the operation		

Nutrient Management Plan Summary

Total acres reported in NMP Summary: 3.7 **Crop Year(s)** 2023

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.

Operation Acres:

Total Acres: 24.2 **Total Acres Available For Nutrient Application Under Operator's Control: Owned:** 3.7 **Rented:** 0

Animal Equivalent Units: 18.20 **Animal Equivalent Units Per Acre:** 4.92

								Starter/Other Fertilizer (lb/A)			Supplemental Fertilizer (lb/A)			Nutrient Balance (lb/A)[2]		
CMU/Field ID	Acres	Crop	Manure Group	Application Season	Application Management	Planned Manure Rate[1]		N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
1	1.46	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
1A	0.33	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
2	0.78	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
3	1.12	Established Pasture (without legume)	Light horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes									
1	1.46	Established Pasture (without legume)	Ponies - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				39	0	0	1	-52	-13
1A	0.33	Established Pasture (without legume)	Ponies - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				23	0	0	22	-41	7

[1] See rate calibration table (Nutrient Management Plan Summary Notes).

[2] Positive numbers = nutrient deficit; Negative numbers = nutrient excess

CMU/Field ID	Acres	Crop	Manure Group	Application Season	Application Management	Planned Manure Rate[1]		Starter/Other Fertilizer (lb/A)			Supplemental Fertilizer (lb/A)			Nutrient Balance (lb/A)[2]		
								N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O
2	0.78	Established Pasture (without legume)	heavy riding horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				46	0	0	3	-34	-2
3	1.12	Established Pasture (without legume)	heavy riding horses - Uncollected	Grazing	Grazing anytime with nutrient uptake during growing season	Grazing	See Notes				46	0	0	3	-24	8

[1] See rate calibration table (Nutrient Management Plan Summary Notes).

[2] Positive numbers = nutrient deficit; Negative numbers = nutrient excess

NMP Summary Notes

Crop Years 2023

CMU/Field ID	Notes
1	4 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
1A	2 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
2	2 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
3	2 horses on pasture for 330 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided typically.
1	3 ponies on paddock for 283.5 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided in the paddock typically.
1A	3 ponies on paddock for 40 days for 5 hours per day. Paddocks are for exercise only, no feed or water is provided in the paddock typically.
2	2 heavy riding horses on paddock for 165 days for 5 hours per day. Paddocks are for exercise only, no food or water is provided typically.
3	2 heavy riding horses on paddock for 165 days for 5 hours per day. Paddocks are for exercise only, no food or water is provided typically.

[1] See rate calibration table (Nutrient Management Plan Summary Notes).

[2] 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.)
no manure	is mechanically	applied on the operation		

Additional Nutrient Management Plan Requirements

Manure Management and Stormwater BMP Implementation Summary

Best Management Practice	NRCS Practice Code [1]	BMP Location	Implementation Season & Year
ACA management		ACAs located by barn and in woods	Continuous
Forage and Biomass Planting	512	Pastures and ACAs	Continuous
Concrete manure stacking pad	313	At current manure stacking location, NE of horse barn	2019

1 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.

N/A

Proposed Manure Storage Description

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

A 16' x 20' x 4' deep concrete manure stacking pad is proposed at the current site of the manure stacking area. Total capacity for the storage will be approximately 40 tons.

Description of Planned Alternative Manure Technology Practices

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

None

Exported Manure Summary

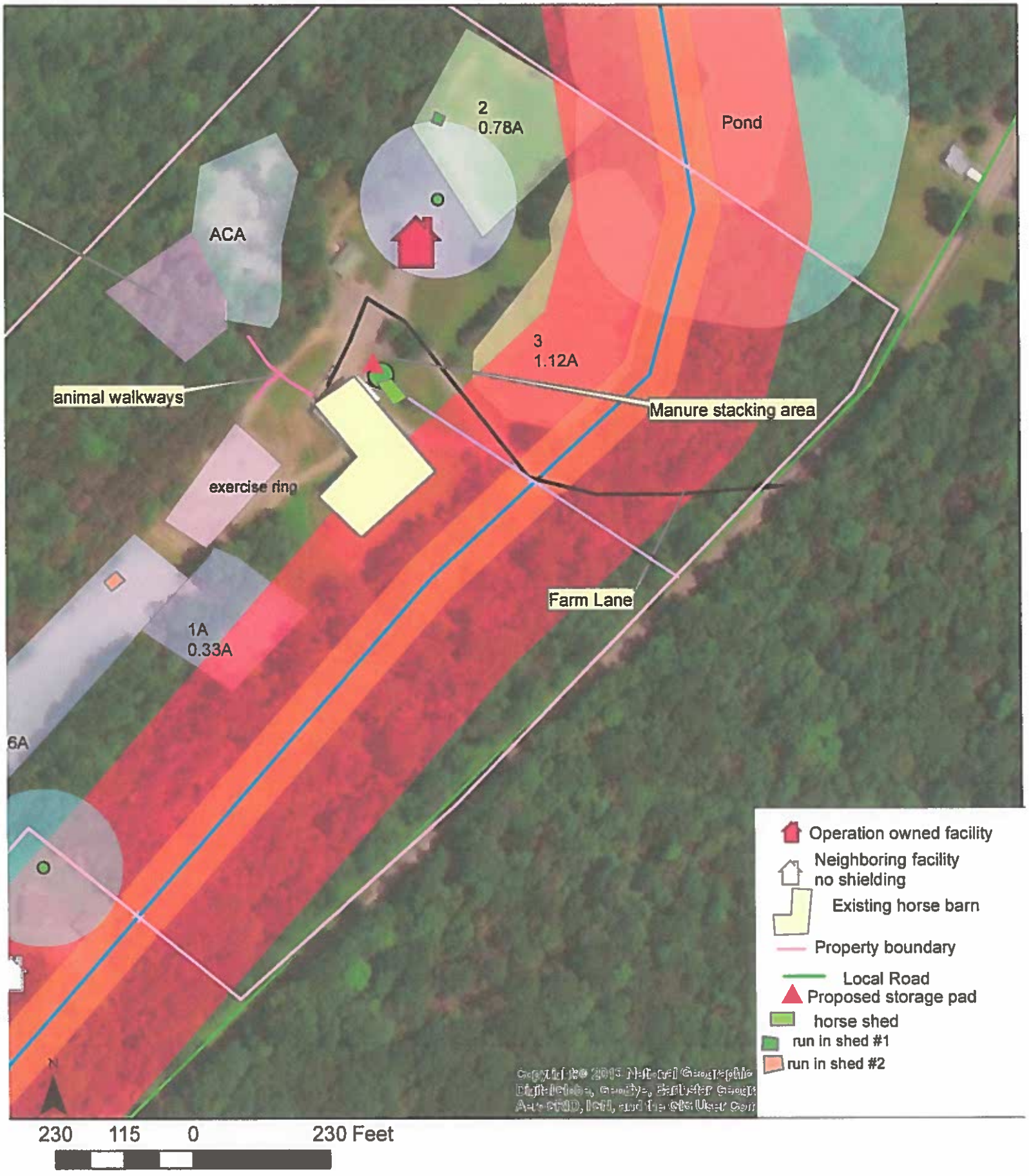
Summarize in a short paragraph the arrangements proposed for the manure to be exported from the operation. This information is described in more detail in Appendix 8 of this plan.

Manure is exported from the operation to Dave Trumbauer every three weeks.

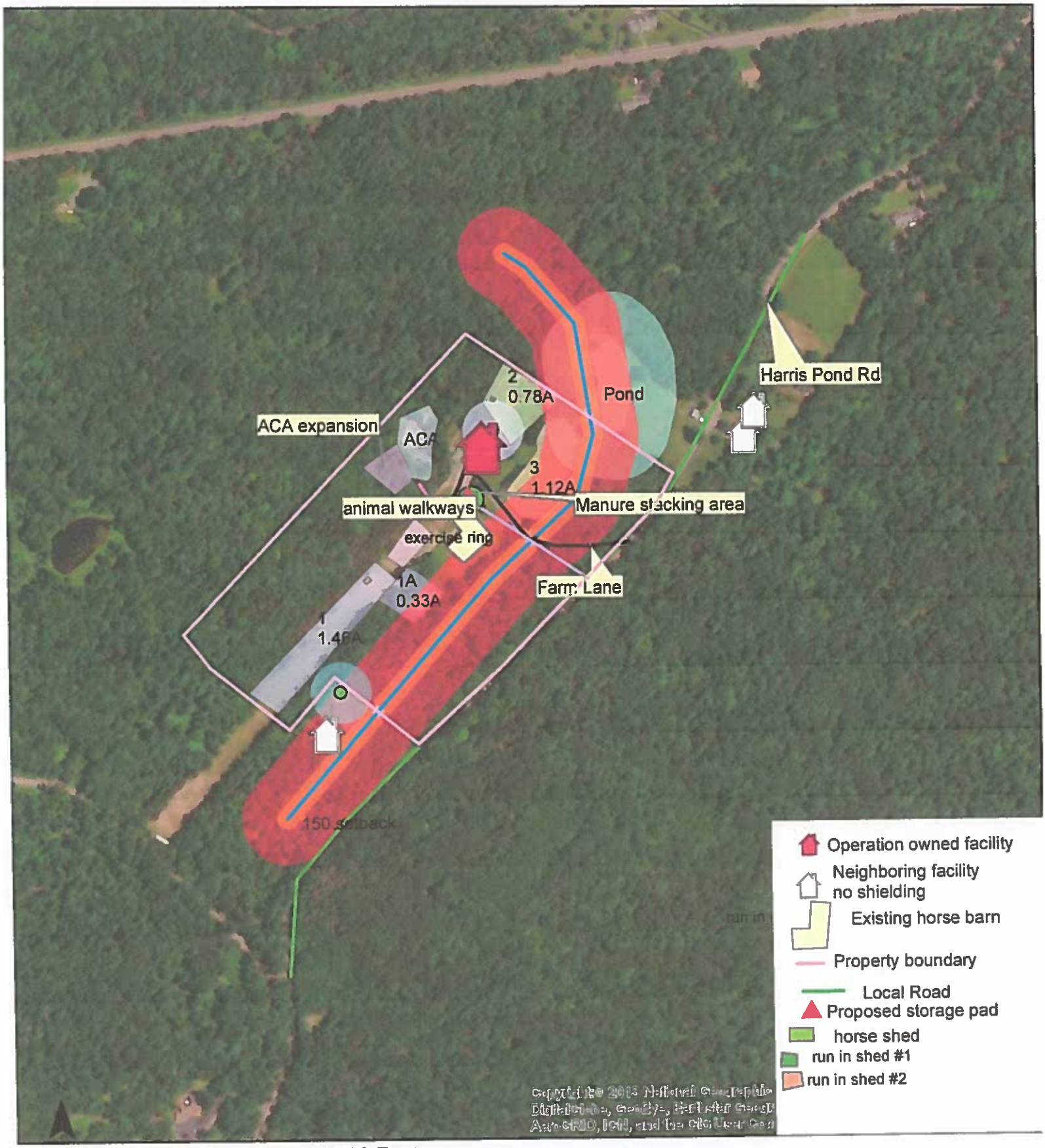
Operator Management Map

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.

Lauren Swicklik Operation



Lauren Swicklik Operation



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:

[x] Pennsylvania Act 38 of 2005 [x] CAO [ ] VAO (check one)
[ ] Pennsylvania CAFO (Concentrated Animal Feeding Operation) program
[ ] 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)

[ ] 1-Year Plan for Crop Year _____ (annual updates will be completed)
[x] 3-Year Plan for Crop Years 20201-2023

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:

[x] Verification of Ag E&S Plan
[x] 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.

[ ] Owners Notified [x] 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 12/18/19

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 Lauren Swicklik

Operator Title Owner / operator

Date 10-8-19

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, including atypical manure (contributing animal groups, collection, storage and handling procedures); mortality composting management.

Lauren Swicklik operates a horse boarding and training facility in Sweet Valley PA. The operation consists of 24.2 total acres with 3.69 acres of grass pasture, 1.72acres of farmstead, and the remaining 18.02 acres are wooded. Permanent pasture is the only crop grown on the operation.

There are 12 riding horses, 2 large riding horses, and 3 ponies housed on the operation. All of the horses are broken up into groups and either placed in a pasture or on the ACA for exercise. Time on pasture is roughly 5.5 hours.

All manure is handled as a solid and collected manure is exported from the operation to Dave Trumbower for crop production. Sawdust is utilized for bedding in the manure.

ACAs are to be managed by collecting and removing deposited manure on a two to three day basis. This collected manure will be exported from the operation along with the manure collected from the stalls.

Mortalities are sent to Kirk Lehman for burial.

County(s)

Luzurne

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

Huntington Creek

Notation of Special Protection Waters

HQ- High Quality

Operation Acres

Total Acres: 24.2

Total Acres Available for Nutrient Application Under Operator's Control

Owned: 3.69

Rented: 0

Names & Addresses of Owners of Rented or Leased Land

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.

Currently manure is stacked on a pile next to the horse facility in a 25ft by 25ft area. Capacity is approximately 20 tons as the manure is exported every two to three weeks at the current time. All manure is exported at the time of cleanout. Bedding consists of pine shavings, 40 pounds per horse per week. Approximately 13.5 tons of shavings are used for bedding. Manure is exported from the operation in a small 6 ft x 10ft dump trailer. Manure is collected at various locations on the pile, mixed and submitted as a sample for testing.

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.

No manure is mechanically applied on the operation.

Appendix 3 Manure Group Information Crop Yrs. 2021	Horses	
Manure Report Date (note if averaging several reports)	September 9, 2019	
Laboratory Name	spectrum analytic Inc	
Manure Type	Other	
Manure Unit (lbs/ton or 1000 gal)	lb/ton	
Total Nitrogen (N) (lbs/ton or 1000 gal)	11.00	
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	1.30	
Total Organic N (lbs/ton or 1000 gal)	9.70	Go to NMP Index
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	6.70	Go to Appendix 3 Input
Total Potash (K_2O) (lbs/ton or 1000 gal)	14.10	Go to Manure Avg Input
Percent Solids	38.77	
PSC Value (analytical or book value)	0.80	
Percent Moisture	61.23	
Manure Group AEU's	18.20	
Description: Site & Season Applied	Manure from the horses	spring/fall
Inventory Method	Calculated	
	Collected Calc.	Uncollected Calc.
Manure Group Identification	Horses	Horses - uncollected
CALCULATED: Total Manure Collected Per Manure Group	161.6	34.4
Units	Tons	Tons
RECORDS: Total Manure Collected Per Manure Group		
Unit		
	Collected	Uncollected
Manure Used On-Farm	0.0	34.8
Units	Tons	Tons
Manure Exported	162.0	
Units	tons	
Manure Allocation Balance	-0.4	-0.4
Units	Tons	Tons
Manure Balance as a Percent of Total Manure Collected	-0.2%	
Total Rainfall and Runoff	0	
	tons	

Appendix 3 Manure Group Information Crop Yrs. 2021	Horses	
	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values
Animal Group 1	Light horses	Light horses - uncollected
Animal Type	Light Horse Mature	Total Nitrogen (N) lbs/ton
Animal Number	12	12.00
Animal Weight	1100	Total Phosphate (P2O5) lbs/ton
Animal Group AUs	13.20	5.00
Animal Group AEUs	13.20	Total Potash (K2O) lbs/ton
Daily Manure Production per AU	55.0	9.00
Total Days Manure Produced	365	PSC Value
Total Manure Produced	132	0.80
Days On Pasture	330	
Hours Per Day On Pasture	5	
Total Bedding	9	
Total Washwater	0	
CALCULATED - Total Uncollected Manure Per Animal Group	25.0	25 - Tons
CALCULATED-Total Manure Collected Per Animal Group	117	App 3 Input

Animal Group 2	Ponies	Ponies - uncollected
Animal Type	Pony Mature	Total Nitrogen (N) lbs/ton
Animal Number	3	12.00
Animal Weight	600	Total Phosphate (P2O5) lbs/ton
Animal Group AUs	1.80	5.00
Animal Group AEUs	1.80	Total Potash (K2O) lbs/ton
Daily Manure Production per AU	55.0	9.00
Total Days Manure Produced	365	PSC Value
Total Manure Produced	18	0.80
Days On Pasture	330	
Hours Per Day On Pasture	5	
Total Bedding	2	
Total Washwater	0	
CALCULATED - Total Uncollected Manure Per Animal Group	3.4	3 - Tons
CALCULATED-Total Manure Collected Per Animal Group	17	App 3 Input

Appendix 3 Manure Group Information Crop Yrs. 2021	Horses	
	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values
Animal Group 3	heavy riding horses	heavy riding horses - uncollected
Animal Type	Heavy riding horses	Total Nitrogen (N) lbs/ton
Animal Number	2	12.00
Animal Weight	1600	Total Phosphate (P2O5) lbs/ton
Animal Group AUs	3.20	5.00
Animal Group AEUs	3.20	Total Potash (K2O) lbs/ton
Daily Manure Production per AU	55.0	9.00
Total Days Manure Produced	365	PSC Value
Total Manure Produced	32	0.60
Days On Pasture	330	
Hours Per Day On Pasture	5	
Total Bedding	2	
Total Washwater	0	
CALCULATED - Total Uncollected Manure Per Animal Group	6.1	6 - Tons
CALCULATED-Total Manure Collected Per Animal Group	28	App 3 Input

Appendix 3 Manure Group Information Crop Yrs. 2022	Horses	
Manure Report Date (note if averaging several reports)	September 9, 2019	
Laboratory Name	spectrum analytic Inc	
Manure Type	Other	
Manure Unit (lbs/ton or 1000 gal)	lb/ton	
Total Nitrogen (N) (lbs/ton or 1000 gal)	11.00	
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	1.30	
Total Organic N (lbs/ton or 1000 gal)	9.70	Go to NMP Index
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	6.70	Go to Appendix 3 Input
Total Potash (K_2O) (lbs/ton or 1000 gal)	14.10	Go to Manure Avg Input
Percent Solids	38.77	
PSC Value (analytical or book value)	0.80	
Percent Moisture	61.23	
Manure Group AEU's	18.20	
Description: Site & Season Applied	Manure from the horses	spring/fall
Inventory Method	Calculated	
	Collected Calc.	Uncollected Calc.
Manure Group Identification	Horses	Horses - uncollected
CALCULATED: Total Manure Collected Per Manure Group	161.6	34.4
Units	Tons	Tons
RECORDS: Total Manure Collected Per Manure Group		
Unit		
	Collected	Uncollected
Manure Used On-Farm	0.0	34.8
Units	Tons	Tons
Manure Exported	162.0	
Units	tons	
Manure Allocation Balance	-0.4	-0.4
Units	Tons	Tons
Manure Balance as a Percent of Total Manure Collected	-0.2%	
Total Rainfall and Runoff	0	
	tons	

Appendix 3 Manure Group Information Crop Yrs. 2022	Horses	
	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values
Animal Group 1	Light horses	Light horses - uncollected
Animal Type	Light Horse Mature	Total Nitrogen (N) lbs/ton
Animal Number	12	12.00
Animal Weight	1100	Total Phosphate (P2O5) lbs/ton
Animal Group AUs	13.20	5.00
Animal Group AEUs	13.20	Total Potash (K2O) lbs/ton
Daily Manure Production per AU	55.0	9.00
Total Days Manure Produced	365	PSC Value
Total Manure Produced	132	0.60
Days On Pasture	330	
Hours Per Day On Pasture	5	
Total Bedding	9	
Total Washwater	0	
CALCULATED - Total Uncollected Manure Per Animal Group	25.0	25 - Tons
CALCULATED-Total Manure Collected Per Animal Group	117	App 3 Input

Animal Group 2	Ponies	Ponies - uncollected
Animal Type	Pony Mature	Total Nitrogen (N) lbs/ton
Animal Number	3	12.00
Animal Weight	600	Total Phosphate (P2O5) lbs/ton
Animal Group AUs	1.80	5.00
Animal Group AEUs	1.80	Total Potash (K2O) lbs/ton
Daily Manure Production per AU	55.0	9.00
Total Days Manure Produced	365	PSC Value
Total Manure Produced	18	0.80
Days On Pasture	330	
Hours Per Day On Pasture	5	
Total Bedding	2	
Total Washwater	0	
CALCULATED - Total Uncollected Manure Per Animal Group	3.4	3 - Tons
CALCULATED-Total Manure Collected Per Animal Group	17	App 3 Input

Appendix 3 Manure Group Information Crop Yrs. 2022	Horses	
	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values
Animal Group 3	heavy riding horses	heavy riding horses - uncollected
Animal Type	Heavy riding horses	Total Nitrogen (N) lbs/ton
Animal Number	2	12.00
Animal Weight	1600	Total Phosphate (P2O5) lbs/ton
Animal Group AUs	3.20	5.00
Animal Group AEUs	3.20	Total Potash (K2O) lbs/ton
Daily Manure Production per AU	55.0	9.00
Total Days Manure Produced	365	PSC Value
Total Manure Produced	32	0.80
Days On Pasture	330	
Hours Per Day On Pasture	5	
Total Bedding	2	
Total Washwater	0	
CALCULATED - Total Uncollected Manure Per Animal Group	6.1	6 - Tons
CALCULATED-Total Manure Collected Per Animal Group	28	App 3 Input

Appendix 3 Manure Group Information Crop Yrs. 2023	Horses	
Manure Report Date (note if averaging several reports)	September 9, 2019	
Laboratory Name	spectrum analytic Inc	
Manure Type	Other	
Manure Unit (lbs/ton or 1000 gal)	lb/ton	
Total Nitrogen (N) (lbs/ton or 1000 gal)	11.00	
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	1.30	
Total Organic N (lbs/ton or 1000 gal)	9.70	Go to NMP Index
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	6.70	Go to Appendix 3 Input
Total Potash (K_2O) (lbs/ton or 1000 gal)	14.10	Go to Manure Avg Input
Percent Solids	38.77	
PSC Value (analytical or book value)	0.80	
Percent Moisture	61.23	
Manure Group AEU's	18.20	
Description: Site & Season Applied	Manure from the horses	spring/fall
Inventory Method	Calculated	
	Collected Calc.	Uncollected Calc.
Manure Group Identification	Horses	Horses - uncollected
CALCULATED: Total Manure Collected Per Manure Group	161.6	34.4
Units	Tons	Tons
RECORDS: Total Manure Collected Per Manure Group		
Unit		
	Collected	Uncollected
Manure Used On-Farm	0.0	34.8
Units	Tons	Tons
Manure Exported	162.0	
Units	tons	
Manure Allocation Balance	-0.4	-0.4
Units	Tons	Tons
Manure Balance as a Percent of Total Manure Collected	-0.2%	
Total Rainfall and Runoff	0	
	tons	

Appendix 3 Manure Group Information Crop Yrs. 2023	Horses	
	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values
Animal Group 1	Light horses	Light horses - uncollected
Animal Type	Light Horse Mature	Total Nitrogen (N) lbs/ton
Animal Number	12	12.00
Animal Weight	1100	Total Phosphate (P2O5) lbs/ton
Animal Group AUs	13.20	5.00
Animal Group AEUs	13.20	Total Potash (K2O) lbs/ton
Daily Manure Production per AU	55.0	9.00
Total Days Manure Produced	365	PSC Value
Total Manure Produced	132	0.80
Days On Pasture	330	
Hours Per Day On Pasture	5	
Total Bedding	9	
Total Washwater	0	
CALCULATED - Total Uncollected Manure Per Animal Group	25.0	25 - Tons
CALCULATED-Total Manure Collected Per Animal Group	117	App 3 Input

Animal Group 2	Ponies	Ponies - uncollected
Animal Type	Pony Mature	Total Nitrogen (N) lbs/ton
Animal Number	3	12.00
Animal Weight	600	Total Phosphate (P2O5) lbs/ton
Animal Group AUs	1.80	5.00
Animal Group AEUs	1.80	Total Potash (K2O) lbs/ton
Daily Manure Production per AU	55.0	9.00
Total Days Manure Produced	365	PSC Value
Total Manure Produced	18	0.80
Days On Pasture	330	
Hours Per Day On Pasture	5	
Total Bedding	2	
Total Washwater	0	
CALCULATED - Total Uncollected Manure Per Animal Group	3.4	3 - Tons
CALCULATED-Total Manure Collected Per Animal Group	17	App 3 Input

Appendix 3 Manure Group Information Crop Yrs. 2023	Horses	
	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values
Animal Group 3	heavy riding horses	heavy riding horses - uncollected
Animal Type	Heavy riding horses	Total Nitrogen (N) lbs/ton
Animal Number	2	12.00
Animal Weight	1600	Total Phosphate (P2O5) lbs/ton
Animal Group AUs	3.20	5.00
Animal Group AEUs	3.20	Total Potash (K2O) lbs/ton
Daily Manure Production per AU	55.0	9.00
Total Days Manure Produced	365	PSC Value
Total Manure Produced	32	0.80
Days On Pasture	330	
Hours Per Day On Pasture	5	
Total Bedding	2	
Total Washwater	0	
CALCULATED - Total Uncollected Manure Per Animal Group	6.1	6 - Tons
CALCULATED-Total Manure Collected Per Animal Group	28	App 3 Input

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: December 23, 2019

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: PaOneStop Letter of Understanding

Action Requested

State Conservation Commission (SCC or Commission) staff are asking for approval of the PaOneStop Letter of Understanding (LOU) between the Commission, Department of Agriculture (PDA), and Department of Environmental Protection (DEP)

Background

PaOneStop is designed to assist agricultural producers in managing their operations through the use of online tools. These tools provide producers with an opportunity to make informed management decisions and ensure they are meeting regulatory requirements for conservation and manure management planning under DEP's Chapter 91 and 102 regulations.

The Pennsylvania State University (PSU) has developed 2 modules for PaOneStop through previous contracts with PDA, DEP, and the SCC. PSU has provided and will continue to provide services to the extent that resources are available and or provided to support the program anticipating that PDA, DEP and SCC will seek future funding for these services. PDA, DEP, and SCC, along with supportive services from PSU, intend to expand PaOneStop to include additional modules.

The purpose of the LOU will be to establish the terms under which the PaOneStop program will be administered, maintained, and funded through a joint effort of PDA, DEP"), and the SCC.

Over the last several months, representatives from PDA, DEP, SCC and PSU have been meeting to discuss this LOU and its terms. Major provisions include:

- The formation of an Executive Committee to establish goals, objectives and priorities for PaOneStop, which will be implemented through agreements between Committee member agencies and other entities, as necessary.
    - Executive Committee will have 4 primary members and be comprised of the Secretary of DEP or their designee, the Secretary of PDA or their designee, the Executive Secretary of the SCC or their designee, and the Dean of the College of Agriculture from PSU or their designee.
    - All contracts and other agreements related to PaOneStop will be reviewed by the Executive Committee, but do not need to be approved. PDA, DEP and the SCC must notify the Committee of its intent to enter into an agreement and will seek the Committee's input.
- The Executive Committee will appoint a Management Group.
    - Management Group will administer PaOneStop and solicit input from entities and individuals, including outside agencies, agricultural producers, agricultural associations and other persons with regard to the goals, objectives and priorities of PaOneStop and to effectively manage the program.
    - In addition to administration of PaOneStop, the Management Group will, as approved by the Executive Committee:
        i. Be the primary contact for the regulated community and others seeking information and advice concerning PaOneStop.
        ii. Assist in and provide input on the maintenance and continued development of PaOneStop, including necessary changes.
        iii. Provide outreach and training related to PaOneStop. Initiatives may include on-line training courses similar to DEP's Clean Water Academy or some form of "Train the Trainer".
- This LOU is not intended to and does not create any contractual rights or obligations with respect to the agencies or any third parties.

Staff from all agencies are providing a final review and no major changes are anticipated. If a change to a provision, addition, or delegation is needed, the SCC will be briefed, before final execution of the LOU.

<u>Summary</u>

Commission staff is asking for approval of the PaOneStop Letter of Understanding (LOU) between the Commission, Department of Agriculture (PDA), and Department of Environmental Protection (DEP). If approved, the SCC Executive Secretary will sign and forward to PDA and DEP for signature.

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

[Date]

Russell C. Redding
Secretary
Department of Agriculture
2301 North Cameron Street
Harrisburg, PA 17110

Patrick McDonnell
Secretary
Department of Environmental Protection
400 Market Street
Harrisburg, PA 17105

Re: PaOneStop

Dear Secretaries Redding and McDonnell:

The purpose of this Letter of Understanding ("LOU") is to establish the terms under which the PaOneStop Program ("PaOneStop" or "the program") will be administered, maintained, and funded through a joint effort of the Pennsylvania Department of Agriculture ("PDA"), Pennsylvania Department of Environmental Protection ("DEP"), and the Pennsylvania State Conservation Commission ("SCC").

Background

PaOneStop is designed to assist agricultural producers in managing their operations through the use of online tools. These tools provide producers with an opportunity to make informed management decisions and ensure they are meeting regulatory requirements for conservation and manure management planning under DEP's Chapter 91 and Chapter 102 regulations (relating to the general provisions under The Clean Streams Law and erosion and sediment control, respectively), 25 Pa. Code Chapter 91 and Chapter 102102. PaOneStop is not used by PDA, DEP, or the SCC to carry out its administrative functions. Therefore, the operational data is not a record that is subject to disclosure under Pennsylvania's Right-to-Know Law, 65 P.S. §§ 67.101, et seq.

The Pennsylvania State University ("PSU") has developed two (2) modules for PaOneStop through previous contracts with PDA, DEP, and the SCC. PSU has provided and will continue to provide

services to the extent that resources are available and or provided to support the program anticipating that PDA, DEP, and SCC will seek future funding for these services.

The PDA, DEP, and SCC, along with supportive services from PSU, intend to expand PaOneStop to include additional modules.

Terms of the Understanding

The following terms and conditions will govern the parties understanding:

1. This LOU is not intended to and does not create any contractual rights or obligations with respect to the agencies or any third parties.

2. Any dispute arising under this LOU will be submitted to the Office of General Counsel for final resolution.

3. Any party may terminate this LOU upon written notice of termination to the other parties.

Executive Committee

4. The PDA, DEP and SCC will create an Executive Committee to establish goals, objectives and priorities for PaOneStop, which may be implemented through agreements between Committee member agencies and other entities, as deemed appropriate by each such member agency.

5. The Executive Committee will have 4 primary members and be comprised of the Secretary of DEP or their designee, the Secretary of PDA or their designee, the Executive Secretary of the SCC or their designee, and the Dean of the College of Agriculture from PSU or their designee. DEP, PDA, SCC, and PSU may designate an alternate member to serve only if the primary member is unable to attend a meeting of the Executive Committee.

6. The members representing DEP, PDA, and the SCC, including alternates, will hold voting privileges. The members representing PSU, including alternates will not hold voting privileges.

7. The SCC will serve as the Chairperson of the Executive Committee.

8. The Executive Committee will hold at least one meeting in each fiscal year and may hold additional meetings as necessary.

9. PDA, DEP, and the SCC will provide support staff for the Executive Committee, to the extent that resources, including funding and time are available and not subject to any legal, contractual or human resource limitations.

10. PDA, DEP, and the SCC will provide in-kind or monetary support to the extent authorized and to the extent that resources are available and not subject to any legal, contractual, or HR limitations.

11. PDA, DEP, and the SCC may accept and utilize in-kind or monetary support from outside

sources to the extent that resources are available and not subject to any legal, contractual, or HR limitations.

12. All contracts and other agreements related to PaOneStop will be reviewed by the Executive Committee, but do not need to be approved. PDA, DEP, and the SCC will notify the Executive Committee of its intent to enter into an agreement and will seek the Executive Committee's input.

13. Intellectual property rights, copyrights, licensure, ownership and control of a work product or other materials related to PaOneStop, along with any other legal concerns will be determined in the applicable contract or agreement.

14. Ownership and control of a work product or other material related to PaOneStop will be as determined within the applicable contract or agreement.

15. To the extent that the work product and other materials developed under PaOneStop are the property of or is licensed to PDA, DEP or the SCC, it may be shared with and utilized by PDA, DEP or the SCC, subject to any terms or conditions of an applicable contract or agreement.

16. The Executive Committee will appoint a Management Group, as detailed below.

Management Group

17. The Management Group will administer PaOneStop and solicit input from entities and individuals, including outside agencies, agricultural producers, agricultural associations and other persons with regard to the goals, objectives and priorities of PaOneStop and to effectively manage the program.

18. In addition to administration of PaOneStop, the Management Group will, as approved by the Executive Committee:
    a) Be the primary contact for the regulated community and others seeking information and advice concerning PaOneStop.
    b) Solicit input and advice as detailed in Paragraph 17 related to PaOneStop advisory committee.
    c) Assist in and provide input on the maintenance and continued development of PaOneStop, including necessary changes.
    d) Provide outreach and training related to PaOneStop. Initiatives may include on-line training courses similar to DEP's Clean Water Academy or some form of "Train the Trainer".

19. The PDA, DEP, SCC, and the Dean of the College of Agriculture from PSU will each appoint a primary member and an alternate member to be part of the Management Group.

20. The Management Group will solicit input and advice regarding and related to PaOneStop from other entities including, but not limited to: the United States Department of Agriculture Natural Resources Conservation Service ("NRCS"); County Conservation Districts; PSU and PSU

Extension; certified nutrient and odor management specialists; certified crop consultants; technical service providers; Pennsylvania agricultural organizations, such as, the Pennsylvania Farm Bureau, PennAg Industries, and Pennsylvania Grange; and any other entity or individual deemed appropriate by the Management Group.

21. The SCC will serve as the Chairperson of the Management Group.

22. The Management Group will hold quarterly meetings in each fiscal year, and may hold additional meetings as necessary. Unofficial minutes will be taken and shared with the Executive Committee and amongst the Management Group.

23. The Management Group will satisfy all duties as directed by the Executive Committee.

24. The Management Group will report to the Executive Committee on all aspects of PaOneStop, including progress, expressed concerns, training and outreach efforts, maintenance issues, program enhancements or suggested enhancements, any other revisions or recommendations, and all other aspects generally related to PaOneStop.

25. The Management Group may form any other sub-workgroups, as it deems appropriate, by majority vote of the members present. Members of sub-workgroups may also include members or alternates of the Management Group

If the terms and conditions outlined above are acceptable to PDA and DEP, please sign where indicated below.

Thank you,

Karl G. Brown
Executive Secretary

Signed: _____ Dated: _____
Russell C. Redding
Secretary
Department of Agriculture

Signed: _____ Dated: _____
Patrick McDonnell
Secretary
Department of Environmental Protection

cc: John Howard, Chief Counsel, Department of Agriculture

Alexandra C. Chiaruttini, Chief Counsel, Department of Environmental Protection

LUZERNE
CONSERVATION DISTRICT

Conserving Natural Resources for Our Future

December 10, 2019

Karl Brown, Executive Secretary
State Conservation Commission
2301 N Cameron Street, Room 311
Harrisburg, PA 17110

Dear Karl:

On August 15, 2019, the Luzerne Conservation District Board of Directors unanimously passed the following motion:

> **"To adopt a resolution requesting the State Conservation Commission's approval to change the size of the Luzerne Conservation District Board of Directors to seven members, and to authorize the Executive Director to request support of the resolution from the Luzerne County Council."**

Luzerne County Council approved the attached resolution supporting this change on December 3, 2019.

Currently the board is made up of 4 Farmer Directors, 4 Public Directors, and 1 member from County Council. The change would maintain the current balance of representation by reducing the size by 1 Farmer Director and 1 Public Director.

The district board believes this adjustment will help in several ways:

First, it will put the district more in line with the intent of Pennsylvania's Conservation District Law, which states: *"When a county has been declared a conservation district, a board of directors, consisting of seven members, shall be appointed by the county governing body... The total number of directors shall always be seven, unless the commission, upon request of the district and the county governing board, approves a lesser or greater number in unusual or extenuating circumstances..."* (Section 6(1) of Act 217 of 1945).

Second, the reduction will provide a more manageable size, which will aid in achieving a quorum in months when some directors find it difficult to make the meetings (e.g. planting/harvesting seasons, vacation times, etc.). Also, with the universal decrease in volunteerism, Luzerne County has not received significant interest from people interested in serving on the board when vacancies have arisen in recent years.

With only 7 full-time and 3 part-time/seasonal staff members, the board feels that a 7-member board will be more than adequate in governing the operations of the conservation district.

This change would be consistent with the pattern throughout the state. Seventy percent of the conservation districts statewide, and 67% in Class 3 counties, have 7-member boards.

Finally, this is an opportune time to request this change since the two board members whose terms are expiring at the end of 2019 (Public Director Timothy Connolly and Farmer Director Christopher Maylath) have both expressed an interest in retiring from their service on the board. **The Luzerne Conservation District is requesting the State Conservation Commission's approval of this change effective with the expiration of these two terms.**

Please let me know if you need any additional information.

Sincerely,

Joshua Longmore
Executive Director

cc: Luzerne Conservation District Board of Directors

325 Smiths Pond Road • Shavertown, PA 18708 • Tel (570) 674-7991 • Fax (570) 674-7989 • www.luzernecd.org

RESOLUTION R-2019-127
LUZERNE COUNTY COUNCIL

A Resolution by Luzerne County Council Consenting to the Reduction in Size of the Conservation District Board of Directors

WHEREAS, the Pennsylvania Conservation District Law, Act 217 of 1945, provides that "when a county has been declared a conservation district, a board of directors, consisting of seven members, shall be appointed by the county governing body and the total number of directors shall always be seven, unless the commission, upon request of the district and the county governing board, approves a lesser or greater number in unusual or extenuating circumstances"; and

WHEREAS, the Luzerne County Conservation Board of Directors believes it is in the best interest of the Conservation District to reduce the number of members on the Conservation Board in order to put the district more in line with the intent of Pennsylvania's Conservation District Law and provide for a more manageable size which will aid in achieving a quorum in months when some directors find it difficult to make the meetings; and

WHEREAS, the reduction in number of the Conservation Board of Directors would maintain the current balance of representation by reducing the size by 1 Farmer Director and 1 Public Director; and

WHEREAS, on August 15, 2019, the Luzerne Conservation District Board of Directors unanimously passed a motion adopting a resolution requesting the State Conservation Commission's approval to change the size of the Luzerne Conservation District Board of Directors to seven members, and to authorize the Executive Director to request support of the resolution from the Luzerne County Council.; and

WHEREAS, Luzerne County Council believes it is the best interest of the Conservation District and Conservation Board of Directors to reduce the number of board members.

NOW, THEREFORE, BE IT RESOLVED, the Luzerne County Council hereby approves of the reduction in size of the Luzerne County Conservation District Board of Directors to seven members.

This Resolution shall become effective upon adoption.

ADOPTED at a meeting of the Luzerne County Council held on December 03, 2019.

ROLL CALL VOTE (11-0)
YES: Bilbow, Haas, Houck, McGinley, Morelli, Perry, Saidman, Schnee, SAUrban, Vough and Waitkus

LUZERNE COUNTY COUNCIL

By: Tim McGinley
Tim McGinley, Chair

Attest:
Sharon Lawrence, Clerk of Council

LUZERNE COUNTY MANAGER

By:
C. David Pedri, Esq., County Manager

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

TO Karl G. Brown
Executive Secretary
State Conservation Commission

FROM Karen L. Books KLB
Water Program Specialist
Conservation District Support Section

THROUGH Kristina Peacock-Jones, P.E. KPJ
Chief
Planning and Conservation Division

C. Frederick Fiscus III, P.G.
Chief
Conservation District Support Section

DATE January 6, 2020

RE Review of District Audit Reports for Calendar Year 2018

ACTION REQUESTED: Accept report of district audits for calendar year 2018.

Background

Starting in 1999, the State Conservation Commission required conservation 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.

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 2018, thirty (30) district audit reports had "no reportable findings". This is three less districts with "no reportable findings" than we had last year for the 2017 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 24 of the current audits which is three more than last year. We will often see districts have a "Lack of Segregation of Duties"

finding one year that didn't the previous year due to a change of staffing or a change in auditors. This finding comprised 59% 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 conservation 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 pleased to report that all sixty-six conservation district audit reports were independent of the County audit as required and were submitted by the December 31, 2019 deadline as stated the Commission's audit policy.

I am also pleased to report that the 2018 audits show most districts are following the guidelines approved by the Commission dealing with *Custodial Credit Risk*, for both bank deposits and investments. In 2018 there was one district with unsecured funds exposed to *Custodial Credit Risk*. We are noticing when districts change banks this will occasionally happen. This district has been contacted and is working on correcting this issue.

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

January 10, 2020

To: Members
State Conservation Commission

From: Karl G. Brown
Executive Secretary

RE: Proposal - Conservation District Advisory Committee (CDAC)

Attached is a proposal for the establishment of the Conservation District Advisory Committee (CDAC). This proposal is an outcome of discussions of the PACD/SCC Communication Committee that has met several times over the past year.

This proposal would establish a standing "conservation district advisory committee" to advise the Commission on the review and updating of policies affecting conservation district operations and management. The committee would also be available as a forum to discuss other issues or concerns of districts with contracted and delegated programs, if the agencies administering those programs would choose to utilize this committee for that purpose.

Commission staff requested nominations from conservation districts and PACD for individuals to serve on the Conservation District Advisory Committee for the six (6) regional conservation district director positions and the six (6) regional conservation district management staff positions. Those nominations are included in the proposal and presented to the Commission for its consideration and appointment.

Appointments approval by the Commission will be effective January 2020.

(Rev. 1.10.2020)

Draft
State Conservation Commission
Conservation District Advisory Committee
(CDAC)

I. Background:

The Conservation District Law provides the State Conservation Commission (Commission) with several powers and duties related to conservation districts. These include offering assistance to district directors and staff; keeping directors generally informed of activities and experiences useful to other districts; approving and coordinating the programs of districts; and disseminating information concerning the activities and programs of districts. 3 P.S. § 852(5)(a)-(c) and (e).

To help ensure that these powers are exercised, and duties fulfilled, the Commission is proposing to establish a Conservation District Advisory Committee (CDAC or Committee). This Committee will be part of an ongoing review of existing and proposed Commission policies affecting the operations and management of conservation districts. The Commission will consider the recommendations and advice provided by the Committee in its deliberations and final decisions on these policies.

II. Purpose:

The purpose of the Committee is to:

1. Assist with the review and update of existing Commission policies that affect the operations and management of conservation districts.
2. Assist with the review of proposed Commission policies that affect the operations and management of conservation districts.
3. Serve as an on-going general advisory committee to the Commission regarding issues affecting conservation district operations and management.

III. Structure:

1. The Committee will consist of six (6) conservation district management staff members, one from each of the six (6) geographical regions established by DEP and six (6) conservation district directors or associate directors, one from each of DEP's geographical regions.
2. Members will be appointed by the Commission. In making appointments, the Commission will consider nominations submitted by either or both the Pennsylvania Association of Conservation Districts (PACD) and a conservation district and promote a broad representation of districts taking into account the size, geographical location, type of district operations, and other key factors.
3. Terms of membership will be staggered to ensure continuity in serving on the Committee.
4. Terms limits for members will be three (3) years with no individual serving more than three (3) full consecutive terms.
5. Meetings will be held four (4) times per year or as necessary.

6. Conference calls will be utilized, where feasible, to minimize travel.
7. PACD may serve in an advisory capacity to the Committee.
8. The Commission, at its discretion, may appoint other individuals (e.g. Commission members, state agency staff, conservation district field representatives, etc.) to advise and or support the committee.

IV. CDAC Responsibilities:

1. To advise on the review and update of existing Commission policies that affect the operations and management of conservation districts.
2. To advise on the review of proposed Commission policies that affect the operations and management of conservation districts.
3. Being the responsible point of contact for other conservation district staff and directors in their region for comments on proposed policies or procedures that affect the operations and management of conservation districts.
4. To report to the Commission regarding recommendations of the Committee for the Commission's consideration.
5. Other duties may include:
   a. Advising or consulting with SCC or any of its member agencies on specific programs or concerns, upon the request of the individual agency;
   b. Forming limited-term workgroups to deal with specific issues, concerns or opportunities;
   c. Interfacing on a regional level with various agency regional offices (DEP, PDA, SCC and others) to improve communications and interactions.

V. Conservation District Directors and Management Staff Initial Membership and Terms

The following Conservation District directors and staff are proposed as CDAC members beginning January 2020 with the following length of initial term:

Region	**CD Director (County)**	**Initial Term**	**CD Staff (County)**	**Initial Term**
NW Region	John Kolojejchick (Venango)	(1-year term)	Doug Beri (Indiana)	(3-year term)
NC Region	Joseph Kendrick (Clearfield)	(2-year term)	Erica Tomlinson (Tioga)	(1-year term)
NE Region	Chuck Gould (Monroe)	(3-year term)	Michelle Long (Pike)	(2-year term)
SW Region	VACANT	(1-year term)	Todd Thornburg (Washington)	(3-year term)
SC Region	Dr. Dennis Johnson (Huntingdon)	(2-year term)	Dean Druckenmiller (Berks)	(1-year term)
SE Region	VACANT	(3-year term)	Chris Strohmaier (Chester)	(2-year term)
	Ron Kopp	SCC Member at Large		
	_____	CDFR Advisor		
	_____	PACD Advisor		
	_____	NRCS Advisor		

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

January 10, 2020

To: Members

From: Karl G. Brown
Executive Secretary

RE: Memorandum of Understanding (SCC/DEP/PDA)

Attached is a revised Memorandum of Understanding among the State Conservation Commission (Commission), the Department of Environmental Protection (DEP) and the Department of Agriculture (PDA).

This Memorandum of Understanding is intended to define and delineate the roles and responsibilities of each agency in assisting the Commission in fulfilling its duties. These duties include a general duty to support and provide oversight to county conservation districts, as well as a duty to develop, implement and enforce programs assigned by law to the Commission.

The attached Memorandum of Understanding and its addendums have completed all final legal reviews and are ready for signature by the parties. Staff recommends the adoption of this agreement.

MEMORANDUM OF UNDERSTANDING

Between the State Conservation Commission
and the
Pennsylvania Department of Agriculture
and the
Pennsylvania Department of Environmental Protection

This Memorandum of Understanding ("MOU") is entered into this ____ day of _____, 20__ by and between the State Conservation Commission ("Commission"), the Pennsylvania Department of Agriculture ("PDA"), and the Pennsylvania Department of Environmental Protection ("DEP).

BACKGROUND

WHEREAS, the PDA is the Commonwealth agency responsible for the development of programs to encourage and promote agriculture and related industries throughout the Commonwealth;

WHEREAS, the DEP is the Commonwealth agency responsible for protecting and preserving the land, air, water, and public health through the implementation and enforcement of state environmental laws;

WHEREAS, the Commission is a departmental administrative commission under the concurrent authority of both the DEP and the PDA, that is responsible for the protection and restoration of the Commonwealth of Pennsylvania's natural environment through the conservation of soil, water, and related resources and is assigned certain legal, policy and administrative responsibilities related to the Commonwealth's: Nutrient and Odor Management Program; Manure Hauler and Broker Certification Program; Conservation District Fund Allocation Program; Dirt, Gravel and Low Volume Roads Program; Resource Enhancement and Protection (REAP) Tax Credit Program; Conservation Excellence Grant Program; Agriculture-Linked Investment Program and Unconventional Gas Well funds;

WHEREAS, Sections 501 and 502 of the Administrative Code of 1929 (71 P.S. §§ 181 and 182) require Commonwealth departments and agencies to coordinate their work and activities with other Commonwealth departments and agencies;

WHEREAS, the Conservation District Law, 3 P.S. §§ 849 et seq., allows the DEP, the PDA and the Commission to: establish joint offices to facilitate cooperation; cooperate in the use of employees, land, building facilities and equipment; and establish a single point of contact for the support, funding, administration and oversight of county conservation districts;

WHEREAS, the Conservation District Law, 3 P.S. §§ 849 et seq., directs the DEP, the PDA and the Commission to develop an agreement to define and delineate the roles and responsibility of

each agency in assisting the Commission in fulfilling its duties, which generally include the Commission's duty to support and provide oversight to county conservation districts; and

WHEREAS, the DEP, the PDA, and the Commission desire to execute a MOU that clearly defines and delineates the roles, responsibilities and duties of each party, generally, and as they relate to the administration of the Commonwealth's: Nutrient and Odor Management Program; Manure Hauler and Broker Certification Program; Conservation District Fund Allocation Program; Dirt, Gravel and Low Volume Roads Program; Resource Enhancement and Protection (REAP) Tax Credit Program; Conservation Excellence Grant Program; Agriculture-Linked Investment Program and Unconventional Gas Well funds.

NOW, THEREFORE, the parties to this MOU set forth the following as the terms and conditions of their understanding.

1. PDA Duties and Responsibilities. To the extent feasible, the PDA will:

   a. administratively house the Commission, as provided for in Section 852(1)(a) of the Conservation District Law, 3 P.S. § 852(1)(a);

   b. pay the Commission's administrative expenses and the salaries of the Commission's Executive Secretary and administrative/clerical support staff as a part of PDA's general government operating budget or other available funds;

   c. provide staff, and pay the salaries and expenses of staff directly assigned to programs administered by the Commission, including: Nutrient (NM) and Odor Management (OM) Program; Dirt, Gravel and Low Volume Roads Program (DGLVRP); Resource Enhancement and Protection (REAP) Tax Credit Program; technical certification programs (NM, OM, Manure Hauler and Broker); Conservation District Fund Allocation Program; Conservation Excellence Grant Program; Agriculture-Linked Investment Program; and other programs intended to support and/or oversee county conservation districts, as outlined in Addenda A and C-F;

   d. provide technical and administrative support to the Commission in the development, implementation, and enforcement of those programs administered by the Commission, including: Nutrient (NM) and Odor Management (OM) Program; Dirt, Gravel and Low Volume Roads Program (DGLVRP); Resource Enhancement and Protection (REAP) Tax Credit Program; technical certification programs (NM, OM, Manure Hauler and Broker); Conservation District Fund Allocation Program; Conservation Excellence Grant Program; Agriculture-Linked Investment Program; and other programs intended to support and/or oversee county conservation districts, as outlined in Addenda A and C-F. Funds to support these staff salaries and expenses may be drawn out of appropriate funds (i.e. NM Fund, DGLVRP Fund, PDA General Government Operations, etc.) consistent with law and Commission policies;

e. provide office space and support services to the Commission's Executive Secretary, clerical support, and all other staff positions directly assigned or detailed to the Commission;

f. provide staff and other resources to assist the Commission in carrying out its obligations under the Conservation District Law, 3 P.S. §§ 849 et seq., for PDA programs, including;

i. developing and implementing initiatives to increase the technical and administrative capabilities of county conservation district directors and staff;

ii. providing program information to county conservation districts;

iii. transferring available funds to county conservation districts as approved by the Commission through the Conservation District Fund Allocation Program Statement of Policy and other appropriate mechanisms; and

iv. providing oversight to district utilization of funds provided by PDA;

g. in cooperation with the Commission, define specific expectations and services to be provided under this MOU by;

i. maintaining a list of program responsibilities and associated core functions to be performed by PDA staff (Addenda A, C-F) and appropriately incorporating these in PDA staff job responsibilities and performance expectations;

ii. meeting periodically to discuss priority goals and objectives of the Commission and partner agencies for programs and activities cooperatively carried out under this MOU;

iii. determining staffing and other resources available to assist in accomplishing these priority goals and objectives; and

iv. meeting as requested with county conservation districts to discuss progress and any concerns regarding programs that have been delegated or contracted to county conservation districts;

h. meet with the Commission as requested to discuss progress on shared priority objectives and the programs delegated to or contracted out to county conservation districts;

i. ensure that its central and regional offices work cooperatively with county conservation districts to administer delegated programs in an efficient and consistent manner;

j. identify PDA programs and responsibilities that may be delegated to or contracted out to the county conservation districts for local administration;

k. provide state funding to reimburse county conservation districts for their efforts in administering PDA program responsibilities delegated to county conservation districts, consistent with Section 859(2)(d) of the Conservation District Law, 3 P.S. § 859(2)(d);

l. consult with the Commission and the DEP in the administration of the Nutrient and Odor Management Program and the Manure Hauler and Broker Certification Program;

m. promote the installation of conservation, nutrient and odor management, invasive species control and integrated pest management practices on agricultural land;

n. collaborate with the Commission, the DEP, and county conservation districts on studies, pilot projects or surveys related to agricultural wastes, erosion and sedimentation control, nutrient and odor management, pesticide usage, sustainable agriculture, invasive species control and integrated pest management;

o. ensure and document, where necessary, the installation and implementation of conservation plans or agricultural erosion and sediment control plans, and nutrient management or manure management plans, if applicable, on all agricultural production lands owned or administered by PDA;

p. keep county conservation districts apprised of impending issues or legislation of mutual concern to PDA and county conservation districts;

q. cooperate with all parties in the administration of programs that involve PDA, DEP and the Commission, such as soil survey, non-point source pollution control, geographic information systems, farmland mapping, and prime agricultural land policy development and implementation;

r. cooperate with the DEP and the county conservation districts with regard to Pennsylvania's Chesapeake Bay Program (CBP), including;

    i. providing technical advice and support to DEP on CBP matters related to agriculture;

    ii. serving on CBP workgroups and committees that involve agriculturally related issues and concerns;

    iii. consulting with DEP and the Commission regarding CBP issues involving agriculture and conservation districts; and

iv. encouraging farmers, farm organizations and agri-businesses to be actively engaged in the development and implementation of the Phase III Watershed Implementation Plan (WIP), as well as other aspects of the CBP; and

s. provide representation at Commission meetings by the Secretary of PDA, as outlined in the Conservation District Law, 3 P.S. §§ 849 et seq. If the Secretary is unable to attend, a Deputy Secretary or other proxy designee will represent PDA.

t. provide legal representation to the Commission through PDA's Office of Chief Counsel as required by law and requested by the Commission as outlined in Addenda A and C-F. In the event of an ethical conflict in such legal representation, PDA's Office of Chief Counsel will coordinate with DEP's Office of Chief Counsel to ensure appropriate representation.

2. DEP Duties and Responsibilities. To the extent feasible, the DEP will:

a. pay per-diem and meeting-related expenses of appointed Commission members for carrying out the official business of the Commission;

b. provide funding and reimbursement to county conservation districts for their efforts, including the provision for assessing fees, in administering DEP contracted and delegated program responsibilities, consistent with Section 859(2)(d) of the Conservation District Law, 3 P.S. § 859(2)(d);

c. provide sufficient DEP central and regional office staff to assist the Commission in carrying out its obligations under the Conservation District Law, 3 P.S. §§ 849 et seq., including, the core responsibilities listed in Addendum B hereto;

d. in cooperation with the Commission, define specific expectations and services to be provided under this MOU by;

i. maintaining a list of program responsibilities and associated core functions to be performed by DEP staff (Addenda B and C) and appropriately incorporating these in DEP staff job responsibilities and performance expectations;

ii. meeting periodically to discuss priority goals and objectives of the Commission and partner agencies for programs and activities cooperatively carried out under this MOU;

iii. determining staffing and other resources available to assist in accomplishing these priority goals and objectives; and

iv. meeting as requested with county conservation districts to discuss progress and any concerns regarding programs that have been delegated or contracted to county conservation districts;

e. meet with the Commission as requested to discuss progress on shared priority objectives and the programs delegated to or contracted out to conservation districts;

f. provide staff for technical, legal and administrative support to the Commission in the development, implementation and enforcement of those portions of the Nutrient and Odor Management Program as outlined in Addenda B and C;

g. with regard to Pennsylvania's CBP, through its Chesapeake Bay Office ;

i. serve as PA state lead regulatory, administrative and Executive branch agency regarding CBP matters and serve as the primary liaison with US EPA on matters related to the CBP, including legal agreements and WIPs;

ii. consult with the PDA and the Commission on a regular basis regarding policy and administrative decisions related to CBP that directly affect county conservation districts and agricultural producers; and

iii. provide the Commission with a draft copy of the contracts or delegation agreements that DEP intends to enter into with county conservation districts to implement the CBP and allow the Commission a reasonable opportunity to comment on these draft documents; and

h. provide representation at Commission meetings by the Secretary of DEP, as outlined in the Conservation District Law, 3 P.S. §§ 849 et seq. If the Secretary is unable to attend, a Deputy Secretary or other proxy may be designated by the Secretary to represent DEP.

i. provide legal representation to the Commission through DEP's Office of Chief Counsel as required by law and requested by the Commission as outlined in Addenda B and C. In the event of an ethical conflict in such legal representation, DEP's Office of Chief Counsel will coordinate with PDA's Office of Chief Counsel to ensure appropriate representation.

3. Commission Duties and Responsibilities. To the extent feasible, the Commission will:

a. in cooperation with PDA and DEP, define specific expectations and services to be provided under this MOU by:

i. maintaining a list of program responsibilities and associated core functions to be performed by PDA staff (Addenda A, C-F) and DEP staff (Addenda B and C) under this MOU;

ii. meeting periodically to discuss priority goals and objectives of the Commission and partner agencies for programs and activities cooperatively carried out under this MOU; and

iii. determining staffing and other resources available to assist in accomplishing these priority goals and objectives; and

iv. meeting as requested with county conservation districts to discuss progress and any concerns regarding programs that have been delegated or contracted to county conservation districts;

b. cooperate with PDA and DEP staff in developing and administering programs to increase the technical and administrative capabilities of county conservation district directors and staff;

c. coordinate and cooperate with PDA and DEP in the development, administration, and support of programs as authorized by the Conservation District Law, 3 P.S. §§ 849 et seq.;

d. administer the Nutrient and Odor Management Program created by the Nutrient Management and Odor Management Act, 3 Pa. C.S.A. §§ 501 et seq., and coordinate resources between PDA and DEP to effectively and efficiently carry out the program, as outlined in Addendum C.

e. administer the Dirt, Gravel and Low Volume Road Maintenance Program created by Section 9106 of the Motor Vehicle Code, 75 Pa.C.S.A. § 9106, and coordinate resources with DEP and PDA to effectively and efficiently carry out the program as outlined in Addendum D;

f. provide oversight for and assistance in the administration of the Nutrient and Odor Management Specialists Certification Program and Manure Hauler Broker Certification Program as outlined in Addendum E;

g. administer the Resource Enhancement and Protection (REAP) Tax Credit Program established under the Resource Enhancement and Protection Program, 72 P.S. § 8703-E, and coordinate resources with DEP and PDA to effectively and efficiently carry out the program as outlined in Addendum F;

h. administer the Conservation Excellence Grant Program created by § 3102, 3 Pa.C.S.A. §§ 3101 et seq., as outlined in Addendum F;

i. administer the Agriculture-Link Investment Program created § 1721, 3 P.S. §§ 1721 et seq., as outlined in Addendum F;

j. coordinate program needs with appropriate program managers and staff in DEP and PDA central and regional offices;

k. cooperate with PDA, DEP and county conservation districts on studies, pilot projects or surveys related to agricultural wastes, nutrient and odor management, erosion and sedimentation control, pesticide usage, invasive species control and integrated pest management;

l. cooperate with all parties in mutually beneficial programs such as soil survey, non-point source pollution control, geographic information systems, farmland mapping, and prime agricultural land policy development and implementation;

m. with regard to Pennsylvania's CBP:

i. review and consider for approval any proposed contract related to CBP that will be entered into between the DEP and county conservation districts,

ii. review and consider for approval any proposed delegation agreement related to CBP that will be entered into between DEP and county conservation districts;

iii. provide technical and policy advice and support to DEP and PDA on CBP matters related to agriculture, conservation, and non-point source pollution control,

iv. provide advice and support to DEP and PDA regarding matters related to county conservation district administrative authority and technical capacity, and

v. where appropriate, serve on CBP workgroups to represent Pennsylvania's agricultural, conservation and environmental interests;

n. review and consider for approval any proposed delegation of PDA or DEP programs and responsibilities through a delegation agreement to county conservation districts under the Conservation District Law, 3 P.S. §§ 849 et seq.;

o. review and consider for approval where appropriate, any proposed contract between PDA and/or DEP and county conservation districts under the Conservation District Law, 3 P.S. §§ 849 et seq.; and

p. report annually to the Secretary of PDA and the Secretary of DEP on accomplishments, problems and concerns related to the Commission, its annual work plan or county conservation district programs.

4. General Provisions.

a. This MOU is not intended to, and does not create, any contractual rights or obligations with respect to the signatory agencies, or other parties.

b. The parties may modify this MOU only by means of a written amendment executed in the same manner as this original MOU, except that the parties may amend Exhibits A through F annually utilizing a less formal form of written mutual consent of the parties.

c. This MOU will become effective on the date first indicated above and will remain in effect until terminated by any party upon sixty (60) days prior written notice of the termination to the other parties.

d. Issues or disputes that arise under this MOU shall be resolved at the lowest appropriate level. Where such disagreements cannot be resolved by the parties, such disputes shall be submitted to the Office of General Counsel for final resolution.

e. This MOU represents the entire understanding between the parties. All representations, understandings, promises and agreements pertaining to the subject matter of this MOU made prior to or at the time this MOU is executed are superseded by this MOU unless specifically accepted by any other term or provision of this MOU. There are no conditions precedent to the performance of this MOU except as expressly set forth herein.

f. This MOU may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

g. The contact person for the Commission shall be: Executive Secretary for the State Conservation Commission, 2301 N. Cameron Street, Harrisburg, PA 17110, Telephone Number (717) 787-8821.

h. The contact person for the PDA shall be: Deputy Secretary for Animal Health and Food Safety, 2301 N. Cameron Street, Harrisburg, PA 17110, Telephone Number (717) 705-8895.

i. The contact person for the DEP shall be: Deputy Secretary for Water Programs, 400 Market Street, Harrisburg, PA 17105-2063, Telephone Number (717) 787-6490.

j. Any party may change its designated contact person by providing written notice to the other parties.

k. This MOU shall be governed by and interpreted and enforced in accordance with the laws of the Commonwealth of Pennsylvania (without regard to any

conflict of laws provisions) and the decisions of the Pennsylvania courts. The parties consent to the jurisdiction of any court of the Commonwealth of Pennsylvania and any federal courts in Pennsylvania, waiving any claim or defense that such forum is not convenient or proper. The parties agree that any such court shall have in personam jurisdiction over them, and consent to service of process in any manner authorized by Pennsylvania law.

[SIGNATURE PAGE FOLLOWS.]

IN WITNESS THAT, the parties have duly executed this MOU on the date first indicated above.

DEPARTMENT OF AGRICULTURE

By: _____

Title _____

Date: _____

DEPARTMENT OF ENVIRONMENTAL PROTECTION

By: _____

Title _____

Date: _____

STATE CONSERVATION COMMISSION

By: _____
Executive Secretary

Date: _____

The signing of this memorandum of understanding on behalf of the State Conservation Commission was authorized by a resolution at its meeting on _____.

Approved as to legality and form:

_____
Chief Counsel
Department of Agriculture

_____
Chief Counsel
Department of Environmental Protection

_____
Office of General Counsel

ADDENDUM A

CORE RESPONSIBILITIES

DEPARTMENT OF AGRICULTURE (PDA)

Administrative Assistance to the State Conservation Commission ("Commission"). The Pennsylvania Department of Agriculture ("PDA") will:

1. assist the Commission's Executive Secretary and staff with scheduling meetings, developing agendas, duplicating meeting materials, managing audio visual aids, recording minutes upon request, and other necessary tasks related to the meeting;

2. assist the Commission and its Executive Secretary with developing long-range plans, annual work plans and reports, policy and position statements, contracts, agreements, and Memoranda of Understanding with agencies;

3. develop budget proposals for the Commission to consider when managing funds under the Conservation District Fund Allocation Program, the Nutrient and Odor Management Program, and the Dirt, Gravel and Low Volume Road Program;

4. processes claims and monitor the submission of accompanying reports under the programs mentioned in 3;

5. provide assistance with County, Pennsylvania and North American Envirothons, if requested;

6. represent the Commission on the Pennsylvania Envirothon Board of Directors, if requested;

7. develop, process and administer contractual agreements that support the Nutrient and Odor Management Program, the Commercial Manure Hauler and Broker Program, the Conservation District Funding Allocation Program, the Dirt, Gravel and Low Volume Roads Program, Conservation Excellence Grant Program, Agriculture-Linked Investment Program, and other Commission approved programs;

8. provide assistance to the Leadership Development Program through: staffing; coordinating and preparing for Leadership Development Committee meetings, which may include the duplication and distribution of meeting materials; developing plans and programs; and preparing for training programs and conferences;

9. assist the Commission and Department of Environmental Protection in obtaining state funds to reimburse county conservation districts for the services provided under the Conservation District Fund Allocation Program and contracted or delegated programs to the extent funds are available;

10. assist in developing and implementing the Resource Enhancement and Protection Program, 72 P.S. §§ 8703-E et seq.;

11. assist the Commission in planning and conducting the Joint Annual Conference of the Commission and the Pennsylvania Association of Conservation Districts;

12. consult the Commission's Executive Secretary through the PDA's Bureau of Administrative Services, Office of the Budget on matters related to funds in PDA's budget where the Commission has been designated by law, regulation or policy as the administering agency;

13. provide legal representation to the Commission through PDA's Office of Chief Counsel as required by law and requested by the Commission; and

14. assist county conservation district directors and staff in understanding the requirements of the Conservation District Fund Allocation Program and other PDA funding and cost-share assistance programs, including related policies and procedures for participation, application criteria for grants and funds, and the submission of quarterly reports.

ADDENDUM B

CORE RESPONSIBILITIES

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP)

Administrative and Program Assistance to the State Conservation Commission ("Commission"). The Department of Environmental Protection ("DEP"), through its staff located in its Central Office and regional offices, as outlined below, will:

CENTRAL OFFICE - GENERAL SUPPORT AND ASSISTANCE

1. work with the Commission on improving the Commonwealth's conservation efforts, including offering support services and oversight to county conservation districts. Support services and oversight offered to county conservation districts shall not include human resources or information technology services provided by the Commonwealth's Office of Administration, Conservation and Environment Delivery Center;

2. work with the Commission on administrative procedures that improve efficiency, including standardized forms, and computerized reports and invoices;

3. work with the Commission to develop and enhance program and funding opportunities for delegated county conservation districts, including the receipt of fees for services rendered;

4. assist the Commission and Pennsylvania Department of Agriculture in obtaining state funds to reimburse county conservation districts for the services provided under the Conservation District Fund Allocation Program and contracted or delegated programs to the extent funds are available;

CENTRAL OFFICE –WATER PROGRAMS

Administrative Assistance to the Commission

5. process reimbursement requests of Commission member expenses and per-diems;

6. assist the Commission and its Executive Secretary with developing long-range plans, annual work plans and reports, policy and position statements, contracts, agreements, and Memoranda of Understanding with agencies;

7. monitor the submission of required reports by county conservation districts, including budgets and financial reports, audits, and annual reports;

8. assist the Commission with its annual conservation recognition awards;

Program Assistance to the Commission

9. provide assistance with County, Pennsylvania and North American Envirothons, if requested;

10. represent the Commission on the Pennsylvania Envirothon Board of Directors, if requested;

11. provide assistance to the Commission for the Dirt, Gravel and Low Volume Road Program, including providing appropriate staff assistance with Dirt, Gravel and Low Volume Road committees and workgroups;

12. develop program funding proposals for the Commission's consideration and approval, and allocate funds to county conservation districts for administration, technical assistance and cost-sharing, and the implementation of best management practices for the Chesapeake Bay Program;

13. consult with the Commission on the development of Chesapeake Bay Program grant applications and budgets;

14. monitor and supervise the administration and implementation of the Chesapeake Bay Program by county conservation districts by conducting periodic evaluations;

15. at the request of the Commission, assist in the administration of the Nutrient and Odor Management Program, including planning, policy development, program assessment, and financial and technical assistance;

16. provide assistance to the Leadership Development Program through: staffing; coordinating and preparing for Leadership Development Committee meetings, which may include the duplication and distribution of meeting materials; developing plans and programs; and preparing for training programs and conferences;

17. assist the Commission in planning and conducting the Joint Annual Conference of the Commission and the Pennsylvania Association of Conservation Districts;

18. provide administrative and technical assistance in budgeting, project evaluation, contracting and implementation under the Landowner Reclamation Program;

Support to Conservation Districts

19. provide technical assistance and training as described in program delegation and contract agreements;

20. serve as a resource for informational programs and workshops;

CENTRAL AND REGIONAL OFFICES – BUREAU OF FISCAL MANAGEMENT AND OFFICE OF CHIEF COUNSEL

21. consult the Commission's Executive Secretary through the DEP's Bureau of Fiscal Management and Office of Chief Counsel on matters related to funds in DEP's budget where the Commission has been designated by law, regulation or policy as the administering agency;

22. provide legal representation to the Commission through DEP's Office of Chief Counsel as required by law and requested by the Commission;

REGIONAL OFFICES

General Support and Assistance

23. provide assistance to the Commission and to county conservation districts through regional office staff including Program Managers, Conservation District Field Representatives, and other staff as deemed appropriate by the DEP;

24. provide assistance to the Commission and to county conservation districts through Conservation District Field Representatives ("CDFR"), Chesapeake Bay Field Representatives ("CBFR") or other regional office staff, as deemed appropriate by DEP;

Assistance to State Conservation Commission

a. assist with the implementation and adherence to the policies and procedures of the Commission including district director appointments, submission of annual reports, financial audit reports, budgets, financial statements, and other required items (CDFR or other regional office staff as deemed appropriate by DEP);

b. serve as requested as a communication link between the Commission and county conservation districts (CDFR or other regional office staff as deemed appropriate by DEP);

c. assist in the dissemination of information on memoranda between the Commission, county conservation districts and other agencies (CDFR or other regional office staff as deemed appropriate by DEP);

d. provide guidance and assistance to county conservation districts on Commission requirements (CDFR or other regional office staff as deemed appropriate by DEP);

e. provide monthly reports on county conservation district activities, issues and results to Central Office and the Commission during the regularly scheduled DEP CO/SCC/CDFR monthly conference calls or sooner by telephone or email if circumstances warrant. (CDFR, CBFR or other regional office staff as deemed appropriate by DEP);

f. provide assistance to the Leadership Development Program (CDFR or other regional office staff as deemed appropriate by DEP);

Assistance to Conservation District Directors and Staff

g. assist in facilitating the nomination, appointment and swearing in of new district directors;

h. meet with and provide guidance and direction to county commissioners and chief clerks on the director nomination and appointment process (CDFR or other regional office staff as deemed appropriate by DEP);

i. provide orientations and assist in the training of district directors related to delegated programs (CDFR or other regional office staff as deemed appropriate by DEP);

j. assist county conservation districts with the facilitation and development of strategic plans, priority objectives, action plans and budgets including contracted or delegated program commitments, and coordinate these activities with DEP programs, priorities and funding (CDFR, CBFR or other regional office staff as deemed appropriate by DEP);

k. provide assistance and advice to district directors on program development, budget preparation, financial accounting, auditing, and the preparation of grant proposals and management of personnel in accordance with DEP program delegations, applicable regulations and Commonwealth policies (CDFR or other regional office staff as deemed appropriate by DEP);

l. provide assistance to district directors and managers concerning the hiring of staff, which may include assisting the district in the preparation of job descriptions, standards and specifications, review of job vacancy advertisements, and training in conducting interviews for DEP delegated work or positions. DEP regional staff may, upon request of the district, participate in the interview and selection process for managers and staff, but may not direct or have a vote in the selection (CDFR or other regional office staff as deemed appropriate by DEP);

m. provide guidance, advice, consultation, and direction in the development of training programs for district directors and district staff (CDFR or other regional office staff as deemed appropriate by DEP);

n. assist the district directors in the development of proper field work and implementation policies and procedures related to DEP delegated program administration and field work including: staff evaluation and position descriptions in delegated programs; staff retention, discipline and termination policies in delegated programs; and proper documentation of DEP delegated actions and activity procedures (CDFR or other regional office staff as deemed appropriate by DEP);

Funding and Cost-Share Assistance Programs

o. assist county conservation district directors and staff in understanding the Conservation District Fund Allocation Program and other DEP funding and cost-share assistance programs, including the policies and procedures for participation, application for grants and funds, and the submission of quarterly reports (CDFR or other regional office staff as deemed appropriate by DEP);

Program Coordination

p. assist in providing training to the county conservation districts on the administration and implementation of delegated or contracted programs (CDFR, CBFR or other regional office staff as deemed appropriate by DEP);

q. provide technical assistance and training as described in program delegation or contract agreements (Appropriate regional office staff);

r. assist with the implementation of the Dirt, Gravel and Low Volume Road Maintenance Program, including training, QA/QC evaluations, and serving on the Dirt, Gravel and Low Volume Road Maintenance Program committees as requested (CDFR or other regional office staff as deemed appropriate by DEP);

s. provide assistance with County, Pennsylvania, and North American Envirothons upon request (Appropriate regional office staff);

t. represent the Commission on the Pennsylvania Envirothon Board of Directors, if requested (Appropriate central or regional office staff);

u. coordinate DEP actions and activities that relate to county conservation district programs, delegated and contracted functions (Appropriate regional office staff);

v. serve as a resource for informational programs and workshops (Appropriate regional office staff);

w. assist in conducting on-site inspections in a training role with county conservation district staff (Appropriate regional office staff);

x. provide assistance in the evaluation of delegated and contracted programs including the preparation, conducting the evaluation, and follow-up (Appropriate regional office staff);

y. provide assistance, guidance and coordination of compliance activities and oversee enforcement actions as described in delegation or contract agreements (Appropriate regional office staff);

z. provide timely and appropriate responses to compliance and enforcement cases referred by county conservation districts for DEP action (Appropriate regional office staff); and

aa. provide legal services as described in delegation or contract agreements (Appropriate regional office staff).

bb. assist the Commission and county conservation districts with public information and public relation activities and events (Appropriate regional office staff)

Addendum C

Agency Support Roles for the Nutrient and Odor Management Program

The State Conservation Commission ("Commission)" is charged with the authority to develop and implement the Nutrient and Odor Management Program. The Pennsylvania Department of Environmental Protection ("DEP") and the Pennsylvania Department of Agriculture ("PDA") will assign staff to assist the Commission in administering the various aspects of the Nutrient Management and Odor Management Program and the support activities outlined below.

The following list identifies the major program support activities for DEP and PDA. These responsibilities are identified as primary support functions ("lead agency"), and secondary support functions ("assisting agency"). The Commission will coordinate regular interagency meetings between DEP, PDA and Commission staff to evaluate program priorities and the success of the program.

PDA's Primary Support Responsibilities of the Nutrient and Odor Management Program

1. assist the Commission and its Nutrient Management Advisory Board ("NMAB") in formulating regulations and policies;

2. provide administrative support for the Nutrient Management Fund;

3. implement nutrient management and odor management education programs in cooperation with the NMAB, the Pennsylvania State University Cooperative Extension, the United States Department of Agriculture, Natural Resources Conservation Service, DEP and county conservation districts, and provide outreach activities to farm organizations, agribusiness, general public and the banking industry;

4. develop, implement and monitor certification programs for nutrient and odor management specialists;

5. PDA's Office of Chief Counsel will provide legal advice and representation to the Commission in the administration of the Nutrient Management and Odor Management Program. This includes the legal interpretation of the Nutrient Management and Odor Management Act, Act, 3 Pa. C.S.A. §§ 501 et seq., ("Act 38") and its regulations; review of Commission policies; review of contracts and agreements entered into by the Commission or county conservation districts; and defense in actions brought against PDA related to Act 38 certifications;

6. develop and promote alternative uses of excess manure, in cooperation with the NMAB, and through coordination with DEP for applicable environmental and regulatory considerations;

7. assist the Commission in providing outreach and technical services to farmers where county conservation districts are not involved;

8. when a farmer is aggrieved, assist the Commission in reviewing the county conservation district's implementation of the Nutrient and Odor Management Program;

9. develop, implement, and monitor the Commission's financial assistance programs associated with the Nutrient and Odor Management Act Program, including the Plan Development Incentives Program, the Agriculture Linked Investment Program, and the Nutrient Management Plan Implementation Grants Program;

10. provide and oversee training on regulations and technical issues as part of the certification and education programs;

11. support the Commission in all enforcement activities relating to the implementation of Act 38;

12. assist the Commission in providing technical and program information to interested persons, including certified nutrient management and odor management specialists and county conservation districts;

13. assist with the development, implementation, and any future revisions of the delegation agreements, administrative and technical manuals;

14. assist the Commission in evaluating the county conservation district's performance of duties under the Nutrient and Odor Management Program delegation agreements;

15. provide support to the Commission in developing and maintaining computer software ("PaPlants") that tracks certification program participants and other related information, and software that manages reporting data and other information related to the Nutrient and Odor Management Program;

DEP's Primary Support Responsibilities of the Nutrient and Odor Management Program

16. provide administrative support for the Nutrient and Odor Management Program, including planning, policy development, program assessment, and financial and technical assistance;

17. assist with the development and management of delegation agreements related to nutrient, odor and manure management;

18. coordinate the Nutrient and Odor Management Program with other DEP programs to promote efficient and effective use of program resources. These programs include: National Pollutant Discharge Elimination System, Concentrated Animal Feeding Operation; Manure Management; and Chesapeake Bay (central and regional office staff);

19. support the Commission in its enforcement of the Clean Streams Law, 35 P.S. §§ 691.1 et seq. (central and regional office staff);

20. DEP's Office of Chief Counsel will provide legal advice and representation to the Commission in the administration of the Nutrient and Odor Management Program. This includes the legal interpretation of Act 38 and its regulations, the promulgation of Act 38 regulations, review of Commission policies, review of contracts and agreements entered into by the Commission or county conservation districts, legal support for appeals and enforcement actions of the Commission consistent with the provisions of the Conservation District Law, 3 P.S. §§ 849 et seq., and Act 38, and defense in actions brought against the Commission (central and regional office staff);

DEP's Secondary Support Responsibilities of the Nutrient and Odor Management Program

21. assist with the maintenance of regulations and policies by providing input on environmental considerations, including water quality impacts (Central Office staff);

22. assist in education and outreach activities (central and regional office staff);

23. assist the Commission and PDA in evaluating county conservation district Nutrient and Odor Management Programs (central and regional office staff); and

24. assist in identifying best management practices ("BMPs") for proper nutrient management, provide technical assistance to conservation districts and the agricultural community on BMPs, and provide continuing evaluation of the BMPs sustainability and effectiveness (central office staff).

Addendum D

Agency Support Roles for the Dirt, Gravel and Low Volume Road Maintenance Program

The State Conservation Commission ("Commission") is charged with the authority to develop and implement the Dirt, Gravel and Low Volume Road Maintenance Program under § 9106 of the Motor Vehicle Code, 75 Pa.C.S.A. § 9106. The Pennsylvania Department of Agriculture ("PDA") will assign staff to support activities outlined below. The following list identifies the major program support activities for PDA.

PDA's Support Responsibilities of the Dirt, Gravel and Low Volume Road Maintenance Program

1. assign staff positions to the Commission reporting to the Executive Secretary and funded under the Dirt, Gravel and Low Volume Road Maintenance Program. The primary function of the staff members is to provide oversight and administration of the program;

2. provide staff participation in the Dirt, Gravel and Low Volume Road Maintenance Program meetings, including Quality Assurance Board advisory meetings and other advisory committees, as requested (central and regional office staff);

3. assist the Commission in the development and implementation of Quality Assurance and Quality Control evaluations;

4. PDA's Office of Chief Counsel will provide legal advice and representation to the Commission in the administration of the Dirt, Gravel and Low Volume Maintenance Program. This includes the legal interpretation of Section 9106 of the Motor Vehicle Code and its regulations, review of Commission policies, review of contracts and agreements entered into by the Commission and county conservation districts, and defense in actions brought against the Commission;

5. assist in the planning and implementation of the annual training conference;

6. assist in the planning of regional Environmentally Sensitive Maintenance Training; and

7. promote the Dirt, Gravel and Low Volume Road Maintenance Program to townships and municipalities, as needed (central and regional office staff).

Addendum E
Agency Support roles for Certification Programs

The Pennsylvania Department of Agriculture ("PDA") is charged with the authority to develop and implement the Nutrient Management Specialist and Odor Management Specialist certification programs under the Nutrient Management and Odor Management Act, 3 Pa. C.S.A. §§ 501 et seq. ("Act 38") and the Commercial Manure Hauler and Broker Certification program under the Commercial Manure Hauler and Broker Certification Act, 3 P.S. §§ 2010.1 et seq. ("Act 49"). The State Conservation Commission ("Commission") assists PDA in the implementation and administration of these programs. PDA will assign staff to support activities outlined below. The following list identifies the major program support activities for PDA:

PDA's Support Responsibilities of the Nutrient Management Specialist and Odor Management Specialist certification programs.

1. develop, implement and monitor certification programs for nutrient management specialists and odor management specialists;

2. implement nutrient management specialist and odor management specialist education programs in cooperation with the Pennsylvania State University Cooperative Extension, the United States Department of Agriculture, Natural Resources Conservation Service and the Department of Environmental Protection, and provide outreach materials and activities to county conservation districts, agribusiness (i.e. private sector consultants) and agricultural organizations;

3. assist in the development of regulations and policies related to certification programs;

4. PDA's Office of Chief Counsel will provide legal advice and representation to the Commission as it administers the Nutrient Management Specialist and Odor Management Specialist certification programs. This includes the legal interpretation of Act 38 and its regulations, review of Commission policies, and defense in actions brought against PDA; and

5. provide support to the Commission in developing and maintaining computer software ("PaPlants") to track certification program participants and other information related to the programs.

PDA's Support Responsibilities of the Commercial Manure Hauler and Broker Certification Program.

1. develop, implement and monitor a certification program for commercial manure haulers and brokers;

2. implement commercial manure hauler and broker education programs in cooperation with the Pennsylvania State University Cooperative Extension, the United States Department

of Agriculture, Natural Resources Conservation Service and the Department of Environmental Protection, and provide outreach materials and activities to the commercial hauler and broker industry, agribusiness and agricultural organizations;

3. assist in the development of regulations and policies related to certification programs;

4. PDA's Office of Chief Counsel will provide legal advice and representation to the Commission as it administers the Commercial Manure Hauler and Broker Certification Program. This includes the legal interpretation of Act 49 and its regulations, review of Commission policies, and defense in actions brought against PDA; and

5. provide support to the Commission in developing and maintaining computer software ("PaPlants") to track certification program participants and other information related to the program.

Addendum F
Agency Support roles for Financial Assistance Programs

The State Conservation Commission ("Commission") is charged with the authority to develop and implement the Resource Enhancement Protection Program ("REAP"), 72 P.S. §§ 8703-E et seq. and the Conservation Excellence Grant Program ("CEG"), 3 Pa C.S. A. §§ 3101 et seq. and assist the Pennsylvania Office of the State Treasurer (Pa Treasury) in the implementation of the Agriculture-Linked Investment Program ("AgriLink"), 3 P.S. §§ 601 et seq. The Pennsylvania Department of Agriculture ("PDA") will assign PDA staff to support activities outlined below. The following list identifies the major program support activities for PDA:

1. assist the Commission in developing policy and procedures to administer, implement and maintain the REAP tax credit program in conjunction with the Department of Revenue; the AgriLink loan program in conjunction with the Pa Treasury; and the CEG grant program consistent with enabling legislation;

2. assist the Commission in developing and maintaining a financial management and budget management system to track all approved tax credits, CEG grants and AgriLink loans and monitor funds available for tax credits, grants and subsidy support of AgriLink loans;

3. function as the liaison between the Commission and the Department of Revenue to efficiently communicate information from the Commission to the Department of Revenue to ensure tax credits are properly applied to taxpayer accounts;

4. function as the liaison between the Commission and the Pa Treasury to efficiently communicate information from the Commission to the Pa Treasury to ensure AgriLink loans are properly applied to eligible applicants through approved state depositories and the Farm Credit Bank;

5. assist the Commission in developing promotional and educational materials describing the benefits of the REAP tax credit program, the CEG grant program and the AgriLink loan program for distribution throughout the state;

6. provide support to the Commission in developing and maintaining computer software to track program applicants, tax credit awards, grant awards, loan support and other information related to these programs;

7. PDA's Office of Chief Counsel will provide legal advice and representation to the Commission as it administers the REAP tax credit program consistent with 72 P.S. §§ 8701-E et seq.; the CEG program consistent with 3 Pa C.S. A. §§ 3101 et seq.; and the AgriLink loan program consistent with 3 P.S. §§ 601 et seq. This includes the legal interpretation of the statutes and regulations for each program; review of Commission policies; review of contracts and agreements entered by the Commission or county conservation district; and defense in actions brought against PDA.

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

Date: January 9, 2020

To: Members
State Conservation Commission

From: Karl G. Brown, Executive Secretary

RE: 2020 Conservation District Director Appointments

As of January 9, 2020, Chief Clerks from 52 counties (79% of all counties) have submitted their county's list of Conservation District Director appointments for 2020 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
2. Allegheny*
3. Armstrong
4. Beaver
5. Bedford
6. Berks
7. Blair*
8. Bradford
9. Bucks
10. Butler
11. Cambria
12. Cameron*
13. Carbon
14. Centre
15. Chester
16. Clarion
17. Clearfield
18. Clinton
19. Columbia
20. Crawford
21. Cumberland
22. Dauphin
23. Delaware
24. Elk
25. Erie
26. Fayette*
27. Forest
28. Franklin
29. Fulton
30. Greene*
31. Huntingdon
32. Indiana
33. Jefferson
34. Juniata
35. Lackawanna*
36. Lancaster*
37. Lawrence*
38. Lebanon*
39. Lehigh*
40. Luzerne*
41. Lycoming*
42. McKean
43. Mercer
44. Mifflin
45. Monroe
46. Montgomery*
47. Montour
48. Northampton
49. Northumberland
50. Perry
51. Pike
52. Potter
53. Schuylkill
54. Snyder
55. Somerset
56. Sullivan
57. Susquehanna
58. Tioga
59. Union
60. Venango
61. Warren
62. Washington
63. Wayne
64. Westmoreland
65. Wyoming*
66. York

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: December 18, 2019

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: Manure and Nutrient Planning Technical Team

Action Requested

State Conservation Commission (SCC or Commission) staff are asking for No action. This memo is merely a report of a newly formed workgroup.

Background

In June and July 2019, the SCC and Department of Environmental Protection (DEP) met with stakeholders and discussed multiple topics related to Nutrient Management (NM), Manure Management (MM), and Concentrated Animal Feeding Operation (CAFO).

As a result of these meetings, the SCC and DEP convened a Technical Advisory Team, called the Manure and Nutrient Planning Technical Team (MNPTT) to discuss possible NM, MM, and CAFO planning standards revisions.

MNPTT membership includes:

- Team Ag (Jedd Moncavage and/or Todd Rush)
- Red Barn (Peter Hughes and/or Darren Shenk)
- Rosetree (Eric Rosenbaum)
- County View Family Farms (Bill Fink and/or Evin Fitzpatrick)
- PennAg (Jennifer Reed-Harry)
- Nutrient Management Advisory Board (Leslie Bowman)
- Lancaster County Conservation District (Jeff Hill)
- Adams County Conservation District (Vy Trihn)
- Natural Resources Conservation Service (Mark Goodson)
- Pennsylvania State University (Charlie White)
- SCC (Frank Schneider and/or Karl Brown)
- DEP (Jill Whitcomb and/or Kate Bresaw)
- Chesapeake Bay Foundation (Kelly O'Neil)

- Manure Broker/Hauler (Jeff Zimmerman and/or Woody Martin)
- DEP Agricultural Advisory Board (Darwin Nissley)
- Pa Farm Bureau (John Bell)

The MNPTT will meet once a month, over the next calendar year, to discuss many issues in regards to planning and implementation and to provide proposed policy/procedures, regulatory, and /or legislative changes that may be warranted for further discussion, to both the SCC's Nutrient Management Advisory Board (NMAB) and DEP's Agricultural Advisory Board (AAB), which can then make recommendations to the respective agencies.

To date, the MNPTT has met multiple times (October, November and December 2019) and worked thru a large list of possible items for further discussion. Through those meetings, the MNPTT has developed a list of items for further discussion. These items are being prioritized at this time for:

- High to low priority
- The extent of the proposed change (policy/procedure, regulatory, or legislative)
- The timeframe of the proposed change

Summary

No action is required. This memo is merely a report of a newly formed workgroup.

January 10, 2020

To: Members
State Conservation Commission

From: Karl G. Brown
Executive Secretary

RE: Dirt, Gravel, and Low Volume Road Program Update

Additional information pertaining to this agenda item will be provided at our January 22, 2020 Commission Meeting.

BUILDING for TOMORROW
Leadership Development for PA's Conservation Districts

Date: January 6, 2020
To: Pa State Conservation Commission
From: Matthew Miller, Building for Tomorrow Leadership Development Coordinator
Subj: Building for Tomorrow Leadership Development 2019-2020 Program Update

Leadership Development Events

The Building for Tomorrow 2019 Management Summit was held at the Wyndham Garden State College on September 12-13. 68 attendees representing 50 districts, as well as partners, participated in the program that included sessions on team dynamics, performance evaluations, parliamentary procedure, interns, and fundraisers.

The Building for Tomorrow 2020 Staff Conference is scheduled for February 12-13 at the Wyndham Garden State College, with an expected attendance of approximately 100. The program will include sessions on emotional intelligence, time management, project management, effective messaging strategies, records retention, prevailing wage, riparian buffers, and environmental education resources.

The 2020 Building for Tomorrow Director Training Workshop Series focuses on "Back to Basics" topics including primary governance and fiduciary responsibilities and effective leadership for Directors, and will consist of six interactive workshops held across the state in February & March.

Other 2020 events currently in planning include New Manager Training Bootcamp June 3-4 and the 2020 Building for Tomorrow Management Summit September 2-3, which will include sessions on ethics & conflicts of interest, succession planning, negotiation skills, and volunteer engagement.

Other Programming & Projects

Letters of Intent to participate in the 2019-2020 Strategic Planning Grants program were submitted by, and approved for, six districts. The program provides grants in the amount of $1500 to offset costs connected to district strategic planning activities.

The redesigned Building for Tomorrow website (paleadership.org) was launched in September with new features including an events portal and a New Director Orientation page. Through the end of 2019, the page was visited by nearly 900 users and had over 4200 page views.

Financial and other support for the Building for Tomorrow Leadership Development Program is provided through a grant from the Pennsylvania State Conservation Commission. Guidance for the Program is provided through the Pennsylvania Conservation Partnership's Leadership Development Committee.

January 10, 2020

To: Members
State Conservation Commission

From: Karl G. Brown
Executive Secretary

RE: Spotted Lanternfly Program Update

Additional information pertaining to this agenda item will be provided at our January 22, 2020 Commission Meeting.

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Chesapeake Bay Program Office

Chesapeake Bay Program Update

SCC/PACD Winter Meeting
January 22-23, 2020

Tom Wolf, Governor

Patrick McDonnell, Secretary

Agenda

- Priority Geographies and Practices
- Phase 3 WIP Implementation Progress
- Countywide Action Planning and Implementation

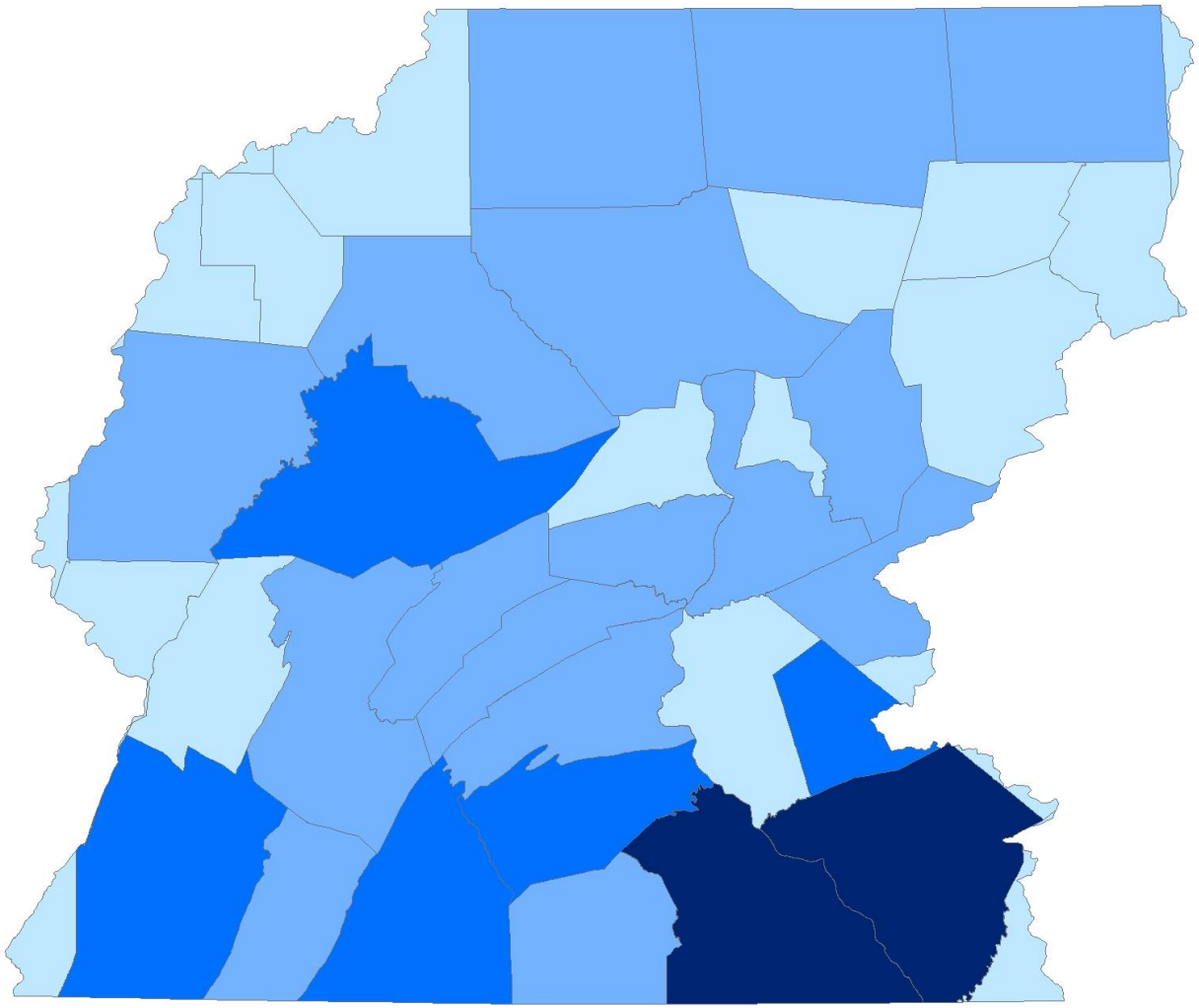
Priority Geographies and Practices

Countywide Action Planning and Implementation

Phase 3 WIP Implementation Progress

Contact

Where Should Efforts be Prioritized?



Tier 1 - First 25% of Reductions

Tier 2 - Second 25% of Reductions

Tier 3 - Third 25% of Reductions

Tier 4 - Last 25% of Reductions

Source: SRBC

Clean water:
Great for PA
Good for the Bay

Cost-effective Priority Initiatives

Priority Initiative	Annual Cost (in millions)	Nitrogen Reduction	Phosphorus Reduction
Agricultural Compliance	$33.1	14%	12%
Soil Health	$32.9	14%	14%
Forest Buffers	$28.1	16%	49%
Grass Buffers	$3.3	8%	37%
TOTAL	**$97.7**	**50%**	**86%**

Phase 3 WIP Progress

- New Programs to Support Implementation
  - Pennsylvania Farm Bill
  - Agriculture Plan Reimbursement Program
  - Chesapeake Bay Ag Inspection Program Pilot – Phase 2
  - Riparian Zone Restoration Projects

Phase 3 WIP Progress

- Incentives and Methods to Accelerate Implementation
  - Use of “Block Grants”
  - Expansion of Existing Funding Programs like REAP and Growing Greener
  - Establishment of a Center for Water Quality Excellence
  - Review and Consideration of DEP Permitting Process Modifications
  - Improvements to DEP’s Cross-Program Reporting
  - DEP Chesapeake Bay Office Growth

Phase 3 WIP Progress

- New Legislative Actions to Support Implementation
  - Keystone Tree Fund

Phase 3 WIP Progress

- New Regulatory Actions to Support Implementation
  - Chapter 105 Regulatory Amendments

Phase 3 WIP Progress

- New Programmatic and Policy Actions to Support Implementation
  - Expanded Coordination of MS4 and Nonpoint Sources

Countywide Actions

- Countywide Action Planning (CAP) and Implementation
  - Timelines, Funding, Tools, and Resources

Phased Plan Development and Implementation

Phase 1	Phase 2			
Tier 2 - Second 25% of Reductions	**Tier 3 - Third 25% of Reductions**		**Tier 4 - Last 25% of Reductions**	
Franklin -- Completed	**Adams -- Completed**	Schuylkill	Union	Potter
Lebanon	Northumberland	Bradford	Chester	Somerset
Cumberland	Perry	Juniata	Dauphin	Wyoming
Centre	Snyder	Clinton	Berks	Elk
Bedford	Huntingdon	Tioga	Blair	Indiana
	Columbia	Susquehanna	Lackawanna	Cameron
	Mifflin	Clearfield	Luzerne	Wayne
	Lycoming	Fulton	Montour	McKean
			Cambria	Jefferson
			Sullivan	Carbon

NOTE: Plans for the Two Tier 1 Counties, **Lancaster and York** are also **Completed.**

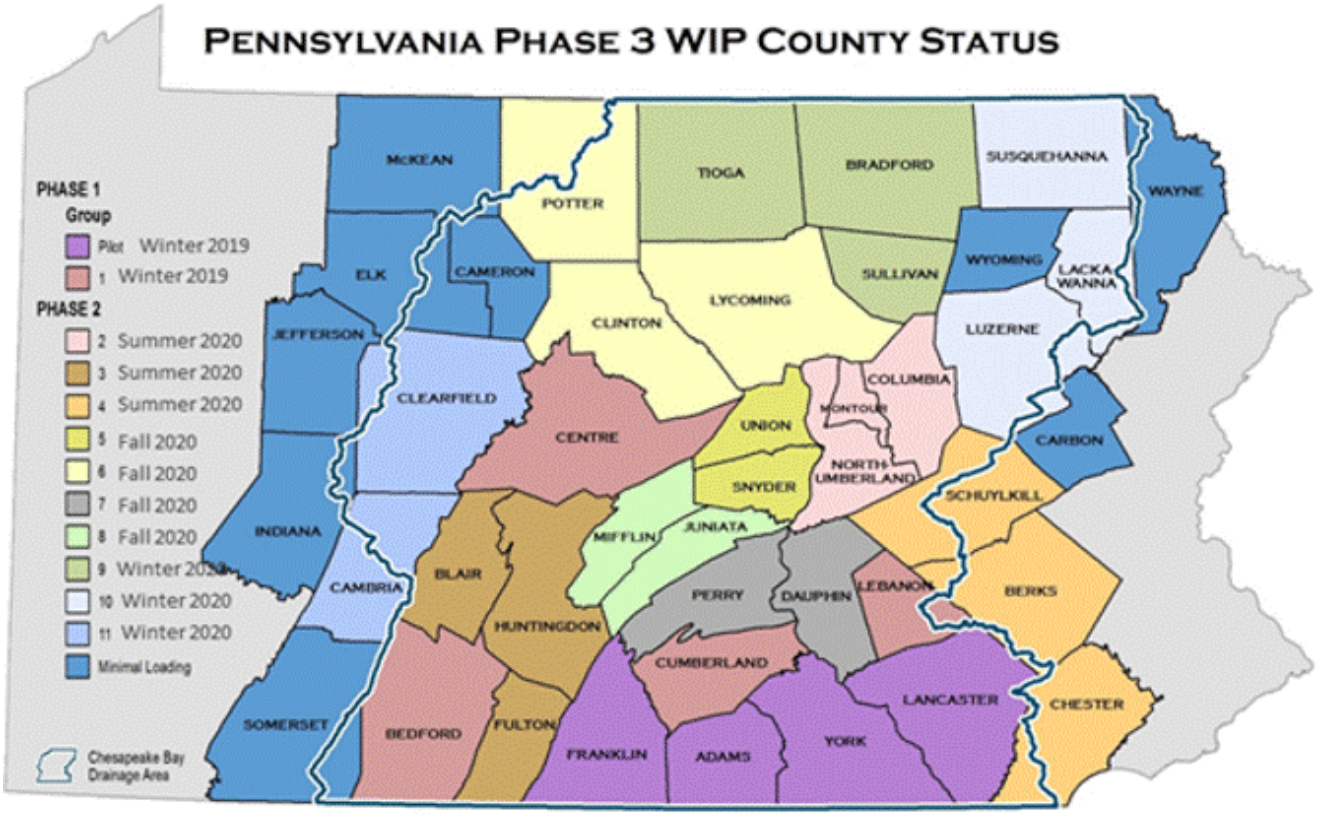
Phased Plan Development and Implementation

Phase 1 (Begins Winter 19/20 and lasts 6 to 8 months)

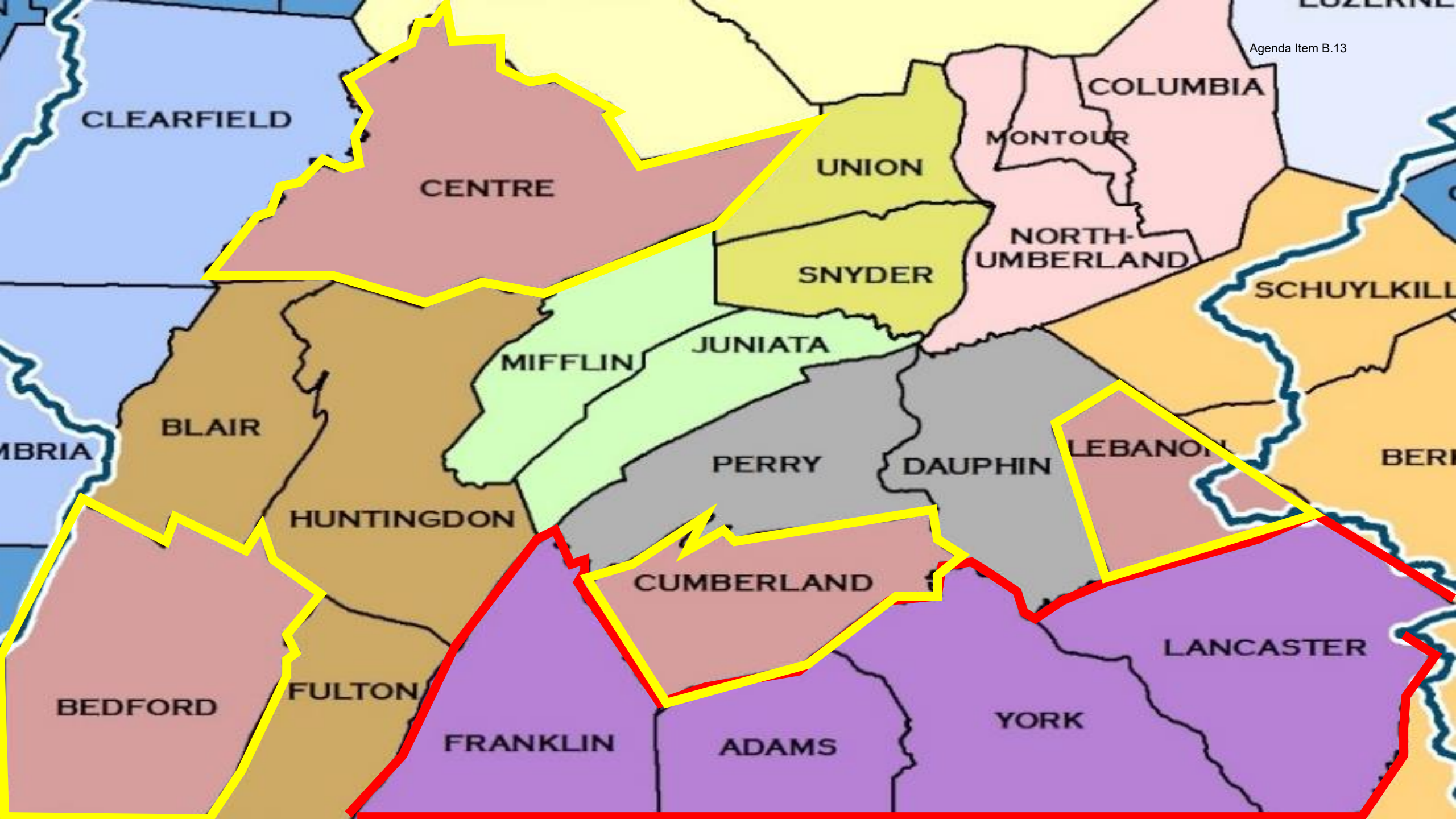
- Efforts in this phase are focused on the eight Tier 1 & 2 counties that make up 54% of PA's nutrient load.
- Actions include:
  - Assist Pilot Counties with transition to Countywide Action Plan implementation.
  - Work with remaining Tier 2 counties develop and implement Countywide Action Plans.
  - Begin outreach to Tier 3 and 4 counties.

Phase 2 (Begins Summer 2020 and lasts 6 to 8 months)

- Efforts in this phase are focused on the thirty-five Tier 3 & 4 counties that make up 46% of PA's nutrient load.
- Actions include:
  - Assist Pilot and Tier 2 counties with Countywide Action Plan implementation.
  - Break Tier 3 and 4 counties in to regional groupings based on existing partnerships.
  - Work with regional groups to help Tier 3 and 4 counties to develop and implement Countywide Action Plans.



Subject to change


CLEARFIELD
CENTRE
UNION
COLUMBIA
MONTOUR
SNYDER
NORTH-
UMBERLAND
SCHUYLKILL
MIFFLIN
JUNIATA
BLAIR
PERRY
DAUPHIN
LEBANON
HUNTINGDON
CUMBERLAND
LANCASTER
BEDFORD
FULTON
FRANKLIN
ADAMS
YORK

Countywide Action Plan Funding Support

County Community Clean Water Action Plan Coordinator Grant

- Pilot Counties + Tier 2 Counties
- State-funded – Environmental Stewardship Fund
  - Total: $800,000 ($100,000 available for each county) annually

Countywide Action Plan Implementation Grant

- Pilot Counties
- Federal-funded – Chesapeake Bay Implementation Grant
  - Total: $790,000 allocated to the pilot counties to begin implementing their CAPs
  - Must be spent by September 30, 2020

Countywide Action Plan Staff Support

DEP Support Team for Counties

- DEP Staff Person from Chesapeake Bay Office - point of contact for the county planning team and technical support team
- DEP Regional Office - support for permitting, planning and implementing practices
- Technical Coordinator - provides technical support and data to county planning team

County Community Clean Water Action Plan Coordinator

- County-based point of contact coordinating, supporting and reporting county action plan activities from development to implementation. Funded through an agreement between DEP and the lead agency of the county planning team.

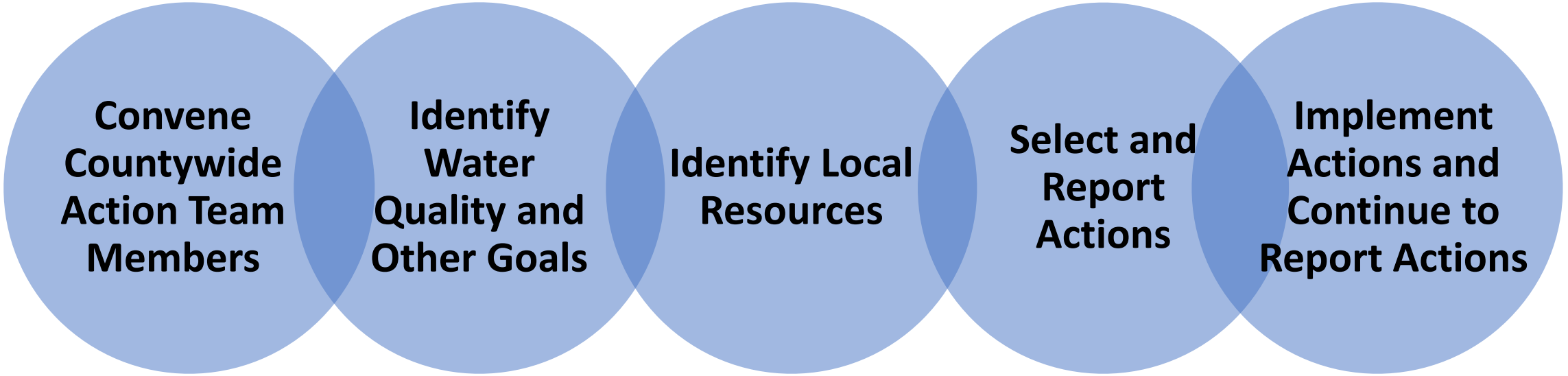
Countywide Action Plan Training Support

County Community Action Plan Coordinator Onboarding

- Four-day Onboarding Training Scheduled for February, 2020
- Set direction and equip the new county coordinators with resources and knowledge to support planning and implementation
- Ensures that newly hired coordinators at the county and state levels will be adequately prepared and supported

How Does a County Prepare Its Action Plan?

Pennsylvania Countywide Pilot Planning Process
Phase III WIP



Tools and Resources to Support CAP Development

Community Clean Water Planning Guide

- Standardized introduction to the planning process
- Clearly defined framework for process, directions
- Timeline and expectations
- Real world examples from pilot counties

Community Clean Water Planning Toolbox

- Customized for each county
- Outlines county specific information in a more technical format
- To be used by the County Coordinators

Tools and Resources to Support CAP Implementation

Community Clean Water Implementation Guide

- Prepare and support counties when transitioning to implementation
- Contains information, strategies, key contacts, etc. to support local partners

Community Clean Water Implementation Toolbox

- Customized for each county
- Outlines county specific information in a more technical format
- To be used by the County Coordinators

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Chesapeake Bay Program Office

Chesapeake Bay Program Office
Jill Whitcomb, Director
jiwhitcomb@pa.gov
(717)783-5205

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: January 6, 2020

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 2019.

For the months of November and December 2019, staff and delegated conservation districts have:

1. Odor Management Plans:
    a. 5 OMPs in the review process
    b. 8 OMPs Approved
    c. 1 OMP approval Rescinded

2. Managing twenty-one (21) enforcement or compliance actions, currently in various stages of the compliance or enforcement process.

3. Managed one OMP Appeal, which has been withdrawn, and continue to deal with a previous NMP appeal

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. Sent out Odor Management Plan Self-Certification Letters to those operations that qualify for self-certification

7. Assisted other SCC staff in preparing documents for Secretary Redding FY 20-21 Budget Book

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: January 3, 2020

TO: Members
State Conservation Commission

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

SUBJECT: Calendar Year 2019 Nutrient Management Plan Data

Attached is the most recent Nutrient Management Plan (NMP) approval data for Calendar year 2019 (up to December 31, 2019). I would like to thank Kate Bresaw from DEP for developing this report based on the data submitted by the delegated conservation districts.

The report shows that there are a total of 1,291 Pennsylvania farms that have NMPs approved for their operations. These approved operations have a net total of 221,547 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 February 14, 2019. This report, when compared to the 2018 report, shows an increase of 74 operations with approved NMPs, and a decrease of 6,749 planned acres on these farms.

There could be several reasons for this decrease in planned acres that could include:

- Report only details active NMPs submitted to DEP prior to December 31, 2019. 4th quarter NMP data does not need to be submitted until January 25, 2020.
- This report has NMP data from both Access Database and PracticeKeeper that was manually combined.
- There is a move for VAO from Act 38 NMPs to Chapter 91 Manure Management Plans.
- We are seeing more CAO with less acres associated with their operations and thus the exported manure is handles under Nutrient Balance Sheets.

ATTACHMENT

Calendar Year 2019

Active Act 38 NMPs up to 12/31/19

County	CAOs	Acres	VAOs	Acres	CAFO/CAO	Acres	CAFO/VAO	Acres
ADAMS	13.00	694.50	1.00	213.00	8.00	1,637.00	3.00	3,553.30
ALLEGHENY	4.00	9.68	1.00	112.50	0.00	0.00	0.00	0.00
ARMSTRONG	0.00	0.00	11.00	1,543.00	0.00	0.00	0.00	0.00
BEAVER	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BEDFORD	0.00	0.00	3.00	684.20	7.00	2,389.00	0.00	0.00
BERKS	29.00	1,019.80	6.00	814.40	30.00	3,215.30	7.00	3,739.50
BLAIR	3.00	131.30	7.00	1,965.20	0.00	0.00	5.00	10,841.10
BRADFORD	1.00	5.10	0.00	0.00	8.00	826.70	1.00	1,599.70
BUCKS	13.00	85.70	0.00	0.00	0.00	0.00	0.00	0.00
BUTLER	3.00	16.08	0.00	0.00	0.00	0.00	0.00	0.00
CAMBRIA	2.00	22.60	0.00	0.00	0.00	0.00	0.00	0.00
CARBON	1.00	8.40	0.00	0.00	0.00	0.00	0.00	0.00
CENTRE	19.00	259.36	2.00	243.80	1.00	1,173.00	1.00	1,928.50
CHESTER	12.00	335.26	3.00	351.30	8.00	1,979.60	7.00	4,678.20
CLARION	1.00	0.86	1.00	26.67	0.00	0.00	0.00	0.00
CLEARFIELD	3.00	98.50	7.00	983.57	0.00	0.00	0.00	0.00
CLINTON	19.00	455.55	0.00	0.00	2.00	328.90	2.00	5,337.60
COLUMBIA	2.00	10.00	0.00	0.00	4.00	93.70	1.00	647.20
CRAWFORD	0.00	0.00	1.00	217.00	1.00	413.10	2.00	6,413.00
CUMBERLAND	8.00	166.15	8.00	2,926.60	8.00	1,476.70	4.00	1,871.90
DAUPHIN	12.00	309.10	2.00	383.30	14.00	1,056.80	1.00	1,065.60
ELK	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ERIE	0.00	0.00	2.00	488.50	1.00	0.00	0.00	0.00
FAYETTE	0.00	0.00	1.00	167.00	0.00	0.00	0.00	0.00
FRANKLIN	26.00	744.20	10.00	2,623.55	22.00	2,706.30	13.00	14,318.83
FULTON	3.00	80.09	0.00	0.00	10.00	811.10	0.00	0.00
GREENE	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
HUNTINGDON	2.00	195.70	10.00	4,020.70	6.00	1,112.10	3.00	8,332.80
INDIANA	1.00	12.50	3.00	434.17	0.00	0.00	0.00	0.00
JEFFERSON	7.00	186.50	8.00	2,952.60	0.00	0.00	0.00	0.00
JUNIATA	36.00	1,422.19	6.00	1,976.19	7.00	683.90	4.00	3,213.02
LACKAWANNA	0.00	0.00	1.00	234.00	0.00	0.00	0.00	0.00
LANCASTER	170.00	4,598.09	6.00	1,051.33	82.00	16,750.00	21.00	8,168.90
LAWRENCE	1.00	10.70	2.00	1,154.10	0.00	0.00	0.00	0.00
LEBANON	65.00	1,556.70	9.00	2,108.24	33.00	2,534.79	6.00	3,312.70
LEHIGH	4.00	170.61	1.00	153.10	2.00	149.60	0.00	0.00
LUZERNE	2.00	7.49	0.00	0.00	2.00	1.00	0.00	0.00
LYCOMING	12.00	190.47	9.00	2,895.71	2.00	269.00	2.00	1,322.52
MCKEAN	0.00	0.00	3.00	1,219.10	0.00	0.00	0.00	0.00
MERCER	2.00	135.80	2.00	1,398.10	0.00	0.00	0.00	0.00
MIFFLIN	17.00	395.60	5.00	924.95	8.00	666.40	1.00	381.10
MONROE	7.00	38.83	0.00	0.00	0.00	0.00	0.00	0.00
MONTGOMERY	2.00	116.10	1.00	42.30	1.00	12.90	0.00	0.00
MONTOUR	4.00	116.44	1.00	169.50	2.00	42.70	0.00	0.00
NORTHAMPTON	1.00	61.00	1.00	126.70	0.00	0.00	0.00	0.00
NORTHUMBERLAND	14.00	260.29	2.00	976.27	4.00	0.00	6.00	1,791.10
PERRY	14.00	580.30	8.00	2,599.53	12.00	1,801.50	4.00	2,966.75
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	215.60	0.00	0.00	3.00	3,224.70
SCHUYLKILL	9.00	312.11	2.00	101.10	8.00	449.90	3.00	2,157.50
SNYDER	51.00	1,950.33	4.00	1,968.16	16.00	2,010.55	4.00	1,741.60
SOMERSET	0.00	0.00	2.00	1,375.00	0.00	0.00	3.00	5,089.10
SULLIVAN	1.00	0.50	0.00	0.00	0.00	0.00	0.00	0.00
SUSQUEHANNA	0.00	0.00	3.00	469.36	0.00	0.00	0.00	0.00
TIOGA	3.00	198.16	10.00	3,169.90	7.00	3,258.40	0.00	0.00
UNION	30.00	888.98	6.00	1,161.61	14.00	2,736.21	1.00	790.90
VENANGO	0.00	0.00	2.00	309.15	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	1.00	6.00	826.61	1.00	0.00	0.00	0.00
WAYNE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WESTMORELAND	0.00	0.00	3.00	3,259.00	0.00	0.00	0.00	0.00
WYOMING	1.00	5.70	1.00	46.05	0.00	0.00	0.00	0.00
YORK	10.00	174.20	5.00	1,341.90	15.00	395.70	3.00	1,333.80
Totals	644.00	18,048.53	190.00	52,423.62	346.00	50,981.85	111.00	99,820.92

Total CAO Num	Total CAO Acre	Total VAO Num	Total VAO Acre
990.00	69,030.38	301.00	152,244.54

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: January 2, 2020

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 2019 Chapter 91 Activities

Below is a summary of the Chapter 91 education and outreach activities performed by delegated county conservation districts during calendar year 2019.

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 2019, delegated conservation districts performed the following activities in regards to Manure Management.

- 1,741 outreach events
- 21,115 outreach contacts
- 668 consultant contacts
- 177 complaints processed
- 73 instances of compliance needed
- 13 compliance issues referred to DEP

Please note that delegated conservation district have until January 25, 2020 to report 2019 fourth quarter activities, so a few instances may be missed.

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: January 2, 2020

TO: Members
State Conservation Commission

FROM: Karl J. Dymond
State Conservation Commission

SUBJECT: January 2020 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 2019 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, 2019.

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

	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	4	98
2017	25	24	44	3	96
2018	14	13	40	1	68
2019	12	11	14	0	37
Regions Total	139	148	384	22	
Grand Total					693

As of December 31, 2019, there are six hundred ninety-three **approved** plans and/or amendments, nine plans have been **denied**, twelve plans/ amendments have been **withdrawn** without action taken, seventy plans/ amendments were **rescinded,** and five plans/ amendments are going through the **plan review process**.

PDA Region III Office, PO Box C, S.R. 92 S., Tunkhannock, PA 18657-0318
570-836-2181 (FAX) 570-836-6266

OMP Actions Report

Action Date	OMP Name	County	Municipality	Species	AEUs	OSI Score	Status	Amended
11/6/2019	Groff, Douglas – Still Water Farm	Union	White Deer Twp	Swine	1453.81	41.4	Approved	C
11/6/2019	Kiliti's Family Farm, LLC	Luzerne	Salem Twp	Duck	87.23	63.5	Rescinded	
11/25/2019	Dotterer, Paul & Sons, Inc – Home Farm	Clinton	Porter Twp	Cattle	381.00	57.4	Approved	C
12/4/2019	Hanover Shoe Farms, Inc. - Strine Farm	Adams	Mt Pleasant Twp	Horse	47.00	32.4	Approved	
12/4/2019	Leid, Matthew	Schuylkill	Washington Twp	Broilers	273.88	48.7	Approved	A
12/11/2019	Stoltzfus, Samuel L - Veal Barn & Pole Barn	Clinton	Logan Twp	Veal	79.04	61.4	Approved	
12/11/2019	Weaver, Derrick	Lancaster	Earl Twp	Broilers	0.00	21.9	Approved	
12/13/2019	Roaring Creek Egg Farms LLC - Gas Well Road Farm	Columbia	Locust Twp	Layers	216.56	47.7	Approved	
12/30/2019	Miller, Carrie	Mifflin	Union Twp	Layers	108.31	25.0	Approved	A

As of December 31, 2019

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: January 7, 2020

TO: State Conservation Commission

FROM: Johan E. Berger
Financial, Certification and Conservation District Programs

SUBJ: 2019 Program Accomplishments: Nutrient and Odor Management Specialist; Commercial Manure Hauler & Broker Certification programs

Certification Program Summary

State Conservation Commission staff facilitate training and certification programs for persons interested in 'commercial' or 'public' certification to develop or review nutrient management or odor management plans under the Act 38 *Nutrient Management* and *Facility Odor Management* programs. Training is also facilitated for commercial manure haulers and brokers seeking certification under the Act 49 *Commercial Manure Hauler and Broker Certification* program.

Program Accomplishments (January 1, 2019 to December 31, 2019)

1. Program staff facilitated two (2) certification cycles of course work for the Nutrient Management Specialist certification program in 2019. Twenty-nine (29) individuals completed the necessary certification coursework to achieve provisional certification and begin to write or review nutrient management plans for final certification and contribute to Act 38 program objectives.
2. Two (2) certification cycles of coursework for the Commercial Manure Hauler and Broker certification program was offered in March and October 2019. Thirty-five (35) commercial manure haulers or brokers completed their required coursework and certification requirements.
3. Program staff performed thirty-five (35) reviews of nutrient management plan reviews for certification requirements. *Note: This is an internal review conducted on NMPs under review by public review specialists seeking final certification.*
4. Program staff issued the following licenses to individuals in 2019 who successfully completed certification requirements and/or continuing education requirements for license renewals:
   a. *Nutrient Management and Odor Management Specialists 68*
   b. *Nutrient Management Specialist (Provisional license) 30*
   c. *Commercial Manure Haulers and Brokers:.....438*
   Total 536

5. Total licenses monitored and maintained by Commission staff on behalf of PDA:
   a. *Nutrient Management Specialists* *246*
   b. *Commercial Manure Haulers and Brokers* *772*
   c. *Odor Management Specialists* *39*

   Total *1,057*

6. Approved credits for eligible continuing education programs scheduled up to December 31, 2019:

   a. Nutrient Management Specialist certification ..... 62 events
   b. Commercial Manure Hauler and Broker certification: ..... 25 events

   Total 87

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: January 7, 2020

TO: State Conservation Commission

FROM: Johan E. Berger
Financial, Certification and Conservation District Programs

SUBJ: 2019 Program Accomplishments
Resource Protection and Enhancement Program (REAP)

REAP Program Summary

The REAP program allows farmers, businesses, and landowners to earn state tax credits in exchange for the implementation of conservation Best Management Practices (BMPs) on Pennsylvania farms. REAP is a "first-come, first-served" program – no rankings. The program is administered by the State Conservation Commission and the tax credits are awarded by the Pennsylvania Department of Revenue. Eligible applicants receive between 50% and 75% of project costs in the form of State tax credits for up to $250,000 per agricultural operation in any consecutive 7-year period. This was a recent change to the maximum tax credit amount of a lifetime limit of $150,000 enacted through amendments to REAP provision in the Tax Code.

Further, in fiscal year 2019, the annual program allocation of tax credits was increased from $10 million to $13 million. Additional provisions grant the Commission the ability to reserve and target up to $3.0 million of the total annual allocation of $13.0 million in tax credits for best management practices for nutrient and sediment reduction within the Chesapeake Bay watershed. And, the option to implement a 90% REAP tax credit option for certain high-priority BMPs within watersheds covered by a TMDL. Those practices include: riparian forest buffers; livestock exclusion from streams and supporting practices; stream crossings; cover crops; soil health BMPs; and other BMPs determined appropriate by the SCC.

Program Accomplishments

The FY2018-19 REAP application period opened August 2018 with an annual tax credit allocation of $10 million and the FY2019-20 application period opened September 2019 with an annual allocation of $13 million. Below is a summary of the FY2018 and FY2019 rounds of REAP applications, credits awarded to date and a a summary of REAP selected BMPs granted tax credits.

(1.) Applications Received - FY 2018 & FY 2019

Applications		Total Cost	Other Public Funds	REAP Requests	Credits Granted
FY2018	**232**	**$24.7 million**	**$4.8 million**	**$9.6 million**	**$6.2 million**
FY2019	**186**	**$16.9 million**	**$1.9 million**	**$7.2 million**	**$2.05 million**

(2.) Summary of selected BMPs granted REAP tax credits - FY 2018 & FY 2019

	FY2018	FY2019
a. REAP Request (project types)		
1) Proposed Projects	$1.8 million	$2.06 million
2) Completed Projects	$7.8 million	$5.14 million
b. No-Till Equipment	$3.5 million	$2.9 million
c. Structural BMPs and cover crops	$5.8million	$3.5 million
d. Plans (Ag E&S, Conservation, Manure & Nut. Mgt.)	$123,900	$263,000
e. Low Disturbance Residue Mgt. Equipment	$309,800	$273,900
f. Precision Ag Equipment	$86,000	$98,800

(3.) Summary of Program Activities - January 01, 2019 – December 31, 2019

The following is a summary of program activities accomplished in calendar year **2019**. Please note that actions (i.e. credits issued) may have been taken on projects or activities approved in prior fiscal years (i.e. FY2017-18, FY2018-19 and FY2019-20).

a.	Tax Credits issued to applicants for completed, eligible projects	$7.63 M
b.	Number of BMPs completed associated with issued tax credits	367 projects
c	Number of tax credit 'sales' completed	251 sale *transactions*
d	Total tax credits processed through 'sales	$5.9 million
e.	Number of site inspections conducted on completed projects	39

f. Educational and promotional activities included speaking events and various visits to conservation districts and NRCS offices across Pennsylvania.

PENNSYLVANIA AGRICULTURAL OMBUDSMAN PROGRAM

BUILDING BRIDGES

Farmers*Municipalities*Citizens
Conservation Districts*Agribusiness

To: Members — December 31, 2019
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 2019

- Assisted SCC with hosting the 2019 Nutrient Management Conference- West
- Webinar presentations to PSATS
- Marketing presentation for PASA Grass-fed Marketing panel – Beaver County

Conflict Issues/Municipal Assistance

- Potter County – trespassing cows.
- Snyder County – fly complaint
- Centre County – rat complaint

Meetings/Trainings/Events

- Meeting with Secretary Redding and SCC
- Southern Alleghenies RC and D committee meeting
- Southern Alleghenies Conservancy meeting
- Nutrient Management Conference (western PA)
- Penn State Extension committee meeting
- Farmer and Food Entrepreneur Workshop – Indiana County
- PASA Grass-fed market workshop
  - Prepared and delivered a presentation on our marketing efforts in Central PA
- Snyder County farm visit (fly complaint follow up)
- Meeting with DCNR grant leader
  - Update on NatureWorks Park's Multi-functional Buffer
- PA Ag Ombudsman presentation at SCC Odor Management Training

Reports & Grant Applications

--BCCD Board Report
--Preparing DCNR multi-functional buffer grant progress report
--Applying for Growing Greener to do farmer educational events

Blair County Conservation District
1407 Blair Street, Hollidaysburg, PA 16648
Phone: 814-696-0877x113 Fax: 814-696-9981
Email: bfutrick@blairconservationdistric.org Website: www.paagombudsman.com
Funded through the Blair County Conservation District and the PA Department of Agriculture

PENNSYLVANIA
AGRICULTURAL OMBUDSMAN PROGRAM

BUILDING BRIDGES

Farmers * Municipalities * Citizens
Conservation Districts * Agribusiness

To: Members
State Conservation Commission

January 22, 2020

From: Shelly Dehoff
Agriculture/Public Liaison

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

Re: Agricultural Ombudsman Program Update

Activities: Since mid-November 2019, I have taken part or assisted in a number of events, including the following:

- Gave presentation to AP Environmental Science class at Littlestown HS on topics such as soil health, GMOs, use of hormones in cattle, organic vs conventional farming
- Called in to Mushroom Farmers of PA meeting in Chester Co
- attended mushroom phorid fly update meeting in Chester Co
- Events as South Central Task Force Agriculture Subcommittee Planning Specialist
  - ran monthly Ag Subcommittee meetings
  - arranging speakers for monthly meetings
  - working with Kay Moyer to finalize farm safety collectible cards for Plain Sect; planning to use SCTF money to print them, and distribute through 8 county region
  - attend monthly Exercise Working Group meetings to plan events, trainings, network with fellow planning specialists
  - attended full, quarterly Exec Comm meeting in Dauphin Co
  - organizing ag-related trainings by PSU for emergency response
  - preparing to facilitate discussion at PA State Fairs Convention related to active shooter events, using former FBI Special Agent as my subject matter expert
  - insurance agent is interested in grain bin rescue trainings
  - presentation to Lancaster Police Chiefs Assoc'n about CARTs
- Attended and assisted at Lancaster Co. Agriculture Council meetings
- Attended NMA Conference in November
- working with co-worker to create banner re: importance of soil conservation for PASA conference
- working with consultant on finalizing Google Sheets manure record keeping method, and planning to pilot it with CD employees who are also farmers, across PA

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

Lancaster Co—talked to attorney working on situation; wrote letter to clarify situation for the municipality

Lancaster Co—wrote letter to township asking them to change wording in ordinance about who enforces Manure Mgmt Act regulations

York Co—person proposing raising animals on brother's property; answered many questions

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

Lancaster Co—animals on the loose

Research and Education Activities:

Cumberland Co—consultant hand questions about ordinance wording; possible future ACRE request

Delaware Co—inquiry about stormwater impacts of proposed project

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

Dauphin Co—new complaint

12694 Gum Tree Road Brogue, PA 17309 *Phone*: 717-880-0848 *Fax*: 717-299-9459
Email: shellydehoff@lancasterconservation.org *Website*: www.agombudsman.com
Funded through the Lancaster Co. Conservation District and the PA Department of Agriculture