State Conservation Commission Meeting

July 17 & 18, 2018

DoubleTree Resort by Hilton Hotel, Lancaster PA

'Draft' Agenda

Briefing Session – July 17, 2018 – 6:45PM (Statesman Room C & D)

Review of Business Agenda

Conservation District Building Project Updates – Indiana; Susquehanna

Legacy Sediments, Robert Walters, Franklin and Marshall College

Business Session – July 18, 2018 – 9:00am (Statesman Room A & B)

A. Opportunity for Public Comment

B. Business and Information Items

1. Approval of Minutes
    a. May 8, 2018 (A)
    b. June 12, 2018 (A)

2. Nutrient & Odor Management Program
    a. 2018 Appointments to the Nutrient Management Advisory Board – Larry Baum, SCC (A)
    b. Curvin Martin, Nutrient Management Plan, Northumberland County - Michael Walker, SCC (A)

3. 'Building for Tomorrow' Leadership Development Program
    a. Introduction of the Leadership Development Program Coordinator – Matthew Miller, PACD (NA)
    b. Proposed FY2018-19 Leadership Development Program Budget – Johan E. Berger, SCC (A)
    c. Appointment to the Leadership Development Committee – Conservation District staff and Conservation District director – Johan E. Berger, SCC (A)

4. Conservation District Fund and Unconventional Gas Well Fund 'Proposed' FY 2018-19 CDFAP 'Proposed' Allocation Concepts- Karl Brown, SCC (A)

5. Non-point Source Compliance Update- Ag Inspections and Practice Keeper – Jill Whitcomb, DEP (NA)

6. PA Envirothon Update – Karen Books, DEP (NA)

7. Spotted Lanternfly Education and Control Activities Update – BPI TENTATIVE

8. Chesapeake Bay Program WIP Update – DEP TENTATIVE

9. PA Agricultural Recognitions Program Update – PDA TENTATIVE

C. Written Reports

1. Program Reports
   a. Act 38 Nutrient and Odor Management Program report
   b. Certification and Education Program Accomplishment Report
   c. Act 38 Facility Odor Management Program & Status Report on Plan Reviews
   d. REAP 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 August 21, 2018 Conference Call

September 11, 2018 Public Meeting

STATE CONSERVATION COMMISSION
MEETING

PA Department of Agriculture, Harrisburg, PA

Tuesday, May 8, 2018 1:00 p.m.

Draft Minutes

Members Present: Secretary Russell Redding, PDA; Tim Schaeffer for Secretary Patrick McDonnell, DEP; Michael Flinchbaugh; Donald Koontz; Ross Orner (via conference call); Ron Rohall; MaryAnn Warren; Chris Houser for Dr. Richard Roush, Penn State; Denise Coleman, NRCS; Drew Gilchrist, DCNR for Secretary Cindy Adams Dunn; Adam Walters for Denise Brinley, DCED, Brenda Shambaugh, PACD.

A. Public Input

There were no public comments presented.

B. Business and Information Items

1. Approval of Minutes – March 13, 2018 - Public Meeting.

MaryAnn Warren moved to approve the March 13, 2018 public meeting minutes. Motion seconded by Mike Flinchbaugh. Motion carried.

2. Nutrient and Odor Management Program

a. FY 2018-19 Nutrient Management Program Budget. Frank Schneider, SCC, reported that each fiscal year, the Commission adopts a budget for spending out of the Nutrient Management Fund. This fund supports the activities of the Nutrient Management Program, including Commission and delegated Conservation District functions. The FY 2018-19 budget is $3,048,788 and is being presented for "conditional approval" pending the final approval of the FY 2018-19 state budget. Program staff's proposal provides funding for the following program elements:

- Prioritizes funding to conservation districts recognizing their key role in carrying out the mandates of the Act 38 Nutrient Management Program.
- Illustrates 'zero' funding to farmers for plan development and implementation financial assistance programs and 'zero' funding for USDA-NRCS engineering support.
- Provides funding for educational and technical support, provided by the Penn State University program partners.
- Maintains the Commission's operational budget at current levels.
- Provides up to $20,000 for field proofing and testing of the revised P Index, if needed.

Don Koontz made a motion to approve the FY 2018-19 Nutrient Management Program Fund budget pending State budget approval. Motion seconded by Ron Rohall. Motion carried.

b. FY 2018-19 Nutrient Management & Manure Management Delegation Agreement Allocations. Frank Schneider, SCC, reported that in each Fiscal year, the Commission approves funding levels for conservation districts participating in Act 38 Nutrient Management Program delegation activities. For the past five years, these funding allocations have included both Nutrient Management funds, as well as supplemental DEP Chesapeake Bay Program funds, with DEP supporting manure management components of the delegation agreement. The formula for allocation funds to districts was updated in 2017 based on workload analysis and is also used for FY 2018-19. The FY 2018-19 proposed allocation remains unchanged from FY 2017-18.

Mike Flinchbaugh made a motion to approve the FY 2018-19 proposed Nutrient Management/Manure Management Delegation Agreement funding levels pending State budget approval. Motion seconded by Ron Rohall. Motion carried.

c. Penn State University, Proposals for Education and Technical Support Activities (FY 2018-19 Work Plans and Budget. Johan Berger, SCC, reported that the Nutrient Management Program, Odor Management Program, and Manure Hauler and Broker Program each contract with Penn State College of Agricultural Sciences for training and technical assistance support services to support certification activities. These services are critical to the success of each of the certification programs. Two separate three-year contracts are utilized to facilitate these support activities. The following summarizes education and certification program activities outlined in the respective work plans for FY 2018-19

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1. Nutrient Management (NM) Education & Certification
   - Assist in the planning, development, and delivery of mandatory nutrient management specialist certification and continuing education workshops, in coordination with PDA and the Commission.
   - Develop and support spreadsheet versions of the NM plan, nutrient balance sheet, and P-Index planning tool.
   - Provide technical and education support for the DEP Manure Management Manual education program as requested.

2. Odor Management (OM) Education & Certification: Animal Production Site Assessment
   - Assist in the planning, development, and delivery of mandatory odor management specialist certification and continuing education workshops, in coordination with PDA and the Commission.
   - Develop and support the Odor Site Index and Odor BMP Reference List planning tools.
   - Conduct assessments of potential large-scale animal production operations for siting recommendation and identification of potential conflicts in the community as requested by animal production integrators.

3. Commercial Manure Hauler & Broker (MHB) Education & Certification
   - Assist in the planning, development, and delivery of mandatory

certification and continuing education workshops, in coordination with PDA and the Commission.

- Assist PDA and the Commission in the development of educational materials and outreach through periodic distribution of newsletters.

4. Manure Management Program
   - Assist DEP and the Commission in development of curriculum and supporting educational materials to be used by facilitators to conduct workshops to guide farmers through the process of completing a written manure management plan for their operations.
   - Provide facilitator training to cooperative extension staff, conservation districts and private sector groups who will conduct farmer plan writing workshops.
   - Maintain a Manure Management Education Program webpage on the Act 38 Nutrient Management Program Website.

Don Koontz made a motion to approve the proposed work plans and budgets for the FY 2018-19 training and technical assistance contracts with Penn State College of Agricultural Sciences pending State budget approval. Motion seconded by Tim Schaeffer. Motion carried.

d. 2018 Appointments to the Nutrient Management Advisory Board. Larry Baum, SCC, reported that consistent with the Nutrient Management Act, the Chairman has appointed/reappointed 5 individuals as members and/or advisors to the Nutrient Management Advisory Board (NMAB). These individuals include: Gaby Gilbeau, Sarah Dohle, Leslie Bowman, Charles White, and Donna Faulk. Each of these appointments requires a 2/3 approval by the Commission.
   - Gaby Gilbeau is a staff attorney at Penn State Law.
   - Sarah Dohle is an Assistant Professor at Delaware Valley University.
   - Leslie Bowman is an Egg Poultry Producer.
   - Charles White is an Assistant Professor/Extension Specialist, Soil Fertility and Nutrient Management, Penn State University.
   - Donna Foulk is the Penn State Extension Equine Natural Resource Educator providing short courses and workshops.

Ron Rohall made a motion to approve Gaby Gilbeau, Sarah Dohle, and Leslie Bowman as members of the NMAB, and Charles White and Donna Faulk as advisors to the NMAB. Motion seconded by Mike Flinchbaugh. Motion carried.

3. Dirt, Gravel, and Low Volume Road Program Update.

a. FY 2018-19 Proposed Allocations to Conservation Districts. Roy Richardson, SCC, reported that each year, the Commission approves allocations to county conservation districts participating in the Dirt and Gravel Road Program (DGR). In January 2018, the Commission approved revisions to the allocation formula used to allocate DGR funding to conservation districts. The most significant change included the removal of "number of identified worksites" from the allocation formula in favor of relying on "length of identified worksite," and a change to the High Quality/Exceptional Value analysis method to allow for more current data to be used. The Commission approved the phasing in of these changes over a three-year period to minimize swings in conservation district allocations. Conservation districts were given until the end of March to commit

funds and update information in the Program's online Geographic Information System. Data was collected from the system and used to populate the revised allocation formula to determine allocations for each district. In addition to revisions in the formula, many districts will see a DGR allocation reduction for FY 2018-19 due to changes in district allocation eligibility. Three districts were ineligible for allocations in FY 2017-18 because they did not meet SCC spending requirements, and their allocations were distributed among eligible counties. For 2018-19, all 65 districts are eligible for DGR allocations.

Tim Schaeffer made a motion to approve the proposed FY 2018-19 Dirt and Gravel Program county allocations pending State budget approval. Motion seconded by Don Koontz. Motion carried.

Each year, the Commission also approves allocations to county conservation districts participating in the Low Volume Road Program. In January 2018, the Commission approved several changes to the allocation formula used to allocate Low Volume Road (LVR) funding to conservation districts. The most significant of these changes included a slight increase to the weighting value of the formula factor for urban roads within 500' of a stream, and the incorporation of a minor adjustment to the weighting value in the formula factor for roads near high quality or exceptional value streams. Because the changes to the LVR formula resulted in less impact than those to the DGR formula, the SCC approved the changes to the formula for use in FY 2018-19 with no phasing-in necessary. Conservation districts were given until the end of March to commit funds to meet SCC spending requirements. Data was collected from the system and used to populate the revised allocation formula to determine allocations for each district.

Mike Flinchbaugh made a motion to approve the proposed FY 2018-19 Low Volume Road Program county allocations pending State budget approval. Motion seconded by Ron Rohall. Motion carried.

b. Center for Dirt and Gravel Road Studies, Education and Technical Assistance Work Plan and Budget. Roy Richardson, SCC, reported that the Penn State Center for Dirt and Gravel Roads Studies provides training, outreach, and technical assistance support to the Commission, conservation districts, and participating municipalities. The Center is funded primarily by the Commission, with additional funding from the DCNR Bureau of Forestry (under a five-year agreement). FY 2018-19 represents the final year of a five-year agreement between the Center and the SCC to provide these services. The scope of work and budget for FY 2018-19 remains similar to the past four years, with the Center providing a variety of training and technical assistance events, in addition to maintaining the GIS project tracking system and working with SCC staff closely on a variety of issues. The most significant changes to the scope of work and budget for FY 2018-19 include:

- Development and delivery of "Environmentally Sensitive Maintenance Boot Camps" for district technicians who are new to the DGLVR Program.
- Development and implementation of improvements to the Program's online Geographic Information System used to track project spending and deliverables.
- Providing funding to Trout Unlimited to provide additional education and technical assistance to conservation districts regarding the proper

replacement of stream crossings on DGLVR projects.

Tim Schaeffer made a motion to approve the proposed FY 2018-19 Scope of Work and Budget for the Center for Dirt and Gravel Road Studies pending State budget approval. Motion seconded by Ron Rohall. Motion carried.

4. Proposed Revisions to the FY 2018-19 REAP Guidelines and Application. Joel Semke, SCC, reported that each year, the Commission has an opportunity to adopt changes to its REAP Tax Credit Program Guidelines for the next fiscal year. Commission staff is recommending the following changes for FY 2018 REAP:

- Cover Crops: The Guidelines for Cover Crops BMP have been revised with the goal of reducing paperwork for applicants. Applicants will now be allowed to apply for REAP credits for an unlimited number of years. In addition, farmers will be able to apply for up to 3 years of proposed cover crop plantings on one application. Applicants will no longer be required to submit detailed maps with their applications because of the proposed changes.
- Riparian Buffer Maintenance: This is a new addition to the list of REAP-eligible BMPs. Other agencies have identified potential buffer maintenance costs as a hindrance to landowners installing riparian buffers. REAP credits have always been available to offset the costs of Planting buffers. It is proposed to make costs incurred in the maintenance of a riparian buffer eligible for REAP credits. The proposed REAP guidelines for buffer maintenance list several common maintenance actions that farmers and landowners often take in the years following the establishment of a riparian buffer. These actions have been identified by DEP, DCNR, and others as necessary for a healthy and fully functioning riparian buffer.
- Low Disturbance Residue Management Equipment and Roofs and Covers BMPS: It is proposed to simply emphasize existing guidelines for these two BMPs. Residue management equipment must comply with the existing guidelines – no exceptions. Applicants for roofed structures must complete the existing Roofed Structure Evaluation Worksheet in the REAP Application.

Tim Schaeffer made a motion to approve the proposed changes to the FY 2018-19 REAP Tax Credit Program Guidelines. Motion seconded by MaryAnn Warren. Mike Flinchbaugh abstained from the vote. Motion carried.

5. Leadership Development Program Update. Johan Berger, SCC, reported that the Commission, DEP, and PACD staff have worked to finalize an agreement with PACD to support a Leadership Development Coordinator position to support the conservation partnerships Leadership Development effort – Building for Tomorrow. In addition, the partnership has interviewed candidates for this position and has made an offer of employment to Mr. Matthew Miller. Mr. Miller will be working closely with the Leadership Development Committee to facilitate program activities which had been previously accomplished by Michael Lovegreen through the Bradford County Conservation District.

Action Requested: No action requested.

6. Pennsylvania Envirothon State Board of Directors Appointment. Karl Brown, SCC, reported that according to the Pennsylvania Envirothon Program Bylaws, the State Conservation Commission is given the opportunity to appoint two persons to the Envirothon State Board of Directors. Currently, Karl Books, DEP, and Mike Aucoin, PDA, represent the Commission on the Board. Mike Aucoin's term will expire on July 31, 2018. Karl Brown is recommending that the Commission reappoint Mike Aucoin to serve an additional term on the Envirothon State Board of Directors. Mike has been active with the Pennsylvania Envirothon since 2011, when he represented the Commission as an Oral Component Judge. Mike has served on the State Envirothon Board since 2014.

   MaryAnn Warren made a motion to reappoint Mike Aucoin to the Pennsylvania State Envirothon Board of Directors. Motion seconded by Mike Flinchbaugh. Motion carried.

7. Chesapeake Bay Program Update. Veronica Kasi, DEP, reported that she recently announced the availability of Chesapeake Bay Program funding for Conservation District Technicians and Engineers for the state fiscal year July 1, 2018 through June 30, 2019. The contract will be written for three years. There will continue to be the required elements of a minimum of 50 farm inspections per funded Chesapeake Bay Technician in accordance with the DEP Standard Operating Procedure (SOP), Chesapeake Bay Agricultural Inspection Program, SOP No. BCW-INSP-018. Another addition to the list of eligible activities for this year is voluntary participation in the soon to be announced Pennsylvania Agriculture Conservation Stewardship (PACS) Program. The funding for a district technician will remain at $65,550 of which up to $8,000 may be used for program related expenses (travel, equipment, supplies, and program administration).

   Veronica also reported on the local planning goal process. The steps in the Pennsylvania County Planning Process (Phase III WIP) to develop local action plans are as follows:

   - Identify county team members
   - Identify water quality and other goals
   - Identify local resources
   - Select actions
   - Report your work

   In County Planning, there are a series of meetings:

   - Meeting 1: Background and information gathering; identify local initiatives to add
   - Meetings 2 and 3: Define action steps and potential reductions; define local priorities; refine scoping scenarios; identify existing and needed resources
   - Meeting 4: Draft action plan
   - Implementation Team Meetings: Follow-up meetings as needed as the Action Plan is implemented.

   The County Planning Resources are as follows:

   - Support Team: DEP staff person from Chesapeake Bay office; member of technical support team; members, as needed, of the Steering Committee

Workgroups

- County Planning Toolbox: County-specific data; list of resources and contacts; templates for use in completing the Action Plan

Action Requested: No action requested.

8. Pennsylvania Agricultural Recognition Program Update. Greg Hostetter, PDA Deputy Secretary, reported that work continues on finalizing a plan to recognize agricultural producers for their efforts to plan and implement conservation BMPs on their farms. The Pennsylvania Agricultural Conservation Stewardship Program will utilize conservation district and private sector consultants to voluntarily verify conservation plan and practice implementation on Pennsylvania farms. Potential program benefits for the farmer are as follows:

    - Appropriate agency recognition for their environmental stewardship
    - Reduced inspection frequency
    - Farm sign indicating program participation and environmental stewardship
    - Marketing enhancement opportunities
    - Reduced paperwork for grant applications
    - Easier access to nutrient trading opportunities

    Action Requested: No action requested.

C. Written Reports – Self Explanatory

1. Program Reports
    a. Act 38 Nutrient and Odor Management Program Reports
        i. Program Measurables
        ii. CY2017 Act 38 Nutrient Management Plan Count
        iii. CY2017 Chapter 91 – Manure Management Program Activities
        iv. Act 38 Facility Odor Management Program – Status Report on Plan Reviews
    b. Certification and Education Programs Accomplishment Report
    c. REAP Program
2. Ombudsman Program Reports – Southern Allegheny Region (Blair County Conservation District and Lancaster County Conservation District)

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

DCNR - Drew Gilchrist reported that the applications closed in April for the Community Conservation Partnership Program, under the Bureau of Recreation and Conservation. There were 398 applications received, including 13 Riparian Buffer Program applications. Requests totaled $84.5 million, and approximately one half of this total will be available for: playgrounds and ball fields; open space protection; trails; and river-related projects.

PACD – Brenda Shambaugh reported that PACD has a new Program Manager, Amy Salansky. Amy worked at the Luzerne County Conservation District for 10 years before coming to PACD. Brenda also reported on the Leopold Conservation Award Program. This Award Program recognizes agricultural landowners actively

committed to a land ethic. This prestigious honor consists of $10,000 and a crystal award, in settings that showcase the landowners' achievements among their peers.

NRCS – Denise Coleman reported that the Pennsylvania NRCS FY 2017 Accomplishments annual report is now available. All present at the meeting were given a copy of the report.

PSU – Chris Houser reported on the Governor's Award for Environmental Excellence. Any individual, business, school, government agency, or community organization in Pennsylvania was eligible to apply for the award.

The award-winning projects accomplished the following results:

- enlisted 16,000 volunteers,
- prevented 258 million tons of greenhouse gases from entering the atmosphere,
- saved over $42 million in operation and maintenance costs,
- conserved 37 million gallons of water annually,
- diverted 29 million tons of waste and 57 million bottles from landfill disposal,
- created 98,500 acres of riparian buffers,
- planted 35,090 native trees and shrubs, and
- installed 350 rooftop solar tubes.

Chris also reported that there has been a draft action plan developed to continue the development of the PA One Stop. The manure management course that is offered online through Penn State has been successful…41 people have completed the course, to date.

DCED – no report.

DEP – Tim Schaeffer reported on several Grant application periods that are open from May 7 to June 20. The Growing Greener Program runs from May 14 – July 13. Chapter 105 now has revised application instructions, which were completed by working with the Army Corps of Engineers. DEP would like to resurrect the State Water Planning Process. For any municipalities having questions on MS4, there will be a webinar held for local governments.

PDA – Secretary Redding mentioned the Spotted Lanternfly crisis. Everyone in Pennsylvania needs to be aware of this pest. There are now 13 counties in PA under quarantine. Southeast PA has a port of entry. There is aggressive training underway for businesses that transport items. The Secretary reminded everyone of the challenging, current dilemma with PA dairies. Regarding the 2018-2019 budget, if the government is appreciated, share those thoughts with someone. Another current issue is urban fertilizer. What gets manufactured? What gets shipped? What does the contribution of Nitrogen and Phosphorus mean to the environment? Public education and better labeling are needed.

Adjournment: Meeting adjourned at 3:13 p.m.

Next Public Meeting: June 12, 2018 – Conference Call
July 18, 2018 – DoubleTree Resort, Lancaster, PA

STATE CONSERVATION COMMISSION CONFERENCE CALL
PA Department of Agriculture, Room 405
Tuesday, June 12, 2018 @ 8:30 am

DRAFT MINUTES

Members Present: Jonathan Hendrickson for Secretary Russell Redding, PDA; Secretary Patrick McDonnell, DEP; Drew Gilchrist, DCNR for Secretary Cindy Adams-Dunn; Chris Houser for Dr. Richard Roush, Penn State; Michael Flinchbaugh; Ross Orner; MaryAnn Warren; Ron Kopp; Ron Rohall; Donald Koontz; Denise Coleman, NRCS; and Brenda Shambaugh, PACD.

B. Agency/Organization Updates

1. DCNR – Drew Gilchrist, DEP Regional Advisor

   Drew reported that Governor Wolf's administration has named Ellen Shultzabarger as the new Director of the Bureau of Forestry and State Forester. Ms. Shultzabarger is a DCNR veteran, having worked for the bureau in a variety of positions, with the most recent being the Chief of Conservation Science and Ecological Resources. During her tenure at DCNR, she has led a number of highly visible projects that span all aspects of the Bureau's work, including oil and gas management; restoration and monitoring; wildlife management; invasive species; and recreation planning. Everyone looks forward to working with Ms. Shultzabarger and wishes a long and happy retirement to the former State Forester, Dan Devlin.

2. NRCS – Denise Coleman

   Denise reported that NRCS has had a hiring freeze for the past one and a half years. They only had 35 positions filled, but now they have been able to hire six field-staff positions.

3. PACD – Brenda Shambaugh

   Brenda reported that the Leadership Development Coordinator, Matt Miller, is now on board and is doing a great job. Matt has traveled to Bradford with Brenda to meet Mike Lovegreen. He also met with Karl Brown, Karen Books, and Johan Berger to discuss the program's visions. Brenda mentioned the published agenda for the Joint Annual Conference in July and is looking forward to seeing everyone.

4. Pennsylvania Department of Agriculture – Jonathan Hendrickson

Jonathan mentioned the ongoing issues with Spotted Lanternfly. He also reported on the dairy crisis in Pennsylvania. We need to promote dairy in PA and find milk processing locations for dairy farmers.

5. Penn State – Chris Houser

Chris reported that Dennis Calvin has returned to his position as Director for Cooperative Extension. The Spotted Lanternfly Call Center at Penn State will open in a couple of weeks. PSU will continue with ongoing efforts to assist PDA in the control of this problem.

6. DEP – Secretary Patrick McDonnell

Secretary McDonnell reported that DEP is working with four priority counties in the lower portion of the Bay watershed to help target implementation for Tier I and Tier II priorities. Districts have been an integral part of this project. A new Grower Greener Grant round is open through July 13, 2018.

C. Information and Discussion Items

1. **Leadership Development Committee Update - Karl Brown**

The PA Leadership Development Committee is scheduled to meet on June 21, 2018. This will be the first meeting with the Partnership's new Leadership Development Program Coordinator, Mr. Matthew Miller. The committee will be focusing on priorities for the Coordinator for the first year (Managers' Summit, Staff Conference, FY 18-19 budget needs, etc.) as well as recommendations for vacancies to be filled on the Leadership Development Committee. Commission staff anticipates bringing recommendations to the Commission in July 2018 to fill existing vacancies on this committee. Funding for the new Leadership Development Coordinator position is provided by the State Conservation Commission to PACD under a 3-year contract.

2. **Joint Annual Conference – Karl Brown**

The combined 2018 NACD Northeast Regional Meeting and PACD/SCC Joint Annual Conference will be held from July 15, 2018 (Sunday) to July 18, 2018 (Wednesday) at the DoubleTree Resort, Lancaster, PA. Commission-specific activities begin on Tuesday, July 17, 2018, with an Executive Session from 6:00-6:45 p.m. and a Briefing Session from 6:45-8:45 p.m. The Commission's public business meeting will be held on Wednesday, July 18, 2018 from 9:00-11:15 a.m. The Awards luncheon will begin at 11:30 a.m.

3. **SB 1171 PN 1179 - Karl Brown**

Senate Bill 1171 (Printers Number 1754) would abolish the State Conservation Commission's Nutrient Management Advisory Board (NMAB) and replace it with a new Farm Animal Advisory Board (FAAB). Under the new FAAB, the duties and responsibilities of the NMAB would be combined with portions of the duties and responsibilities of DEP's Agricultural Advisory Board (DEP AG Advisory) as they relate to any "regulatory proposal" that affects an agricultural operation in which animals are raised in the Commonwealth. "Regulatory Proposal" is broadly defined under the bill as a "A proposed regulation or guideline, proposed amendment to a regulation or guideline or proposed change in interpretation of administrative, regulatory or enforcement policy that intends to or will have the effect of increasing requirements imposed or imposing more stringent standards on animal operations." The bill was introduced by Senators Brooks, Hutchinson, and Vulakovitch and referred to the Senate Agriculture and Rural Affairs Committee on May 18, 2018.

4. **SCC Awards Committee Recommendation, SCC Leadership Excellence Award (Board of Directors) - Karl Brown**

The SCC Awards Committee is recommending Jefferson County Conservation District for the 2018 SCC Leadership Excellence Award (Board of Directors). John Green, NW DEP Conservation District Field Representative, recommended Jefferson CD for this award.

5. **Conservation District Fund Allocations – Johan Berger**

Each year, the State Conservation Commission takes action on the allocation of funds transferred to the Conservation District Fund from state appropriations and from the Unconventional Gas Well Fund (UGWF). These funds are allocated to conservation districts under the Conservation District Fund Allocation Program Statement of Policy. Staff is working on FY2018-2019 (July 1, 2018-June 30, 2019) allocations options that are based on appropriations in the Governor's proposed FY2018-2019 state budget, the projected transfer of funds from the UGWF for FY2018-2019, and new 5-year average unconventional gas well-count data. These options will be presented to the Commission for consideration at its July 18, 2018 meeting. FY2018-2019 allocation options may include additional funds dedicated to the Ombudsman Program, the Ag Conservation Technical Training - Boot Camp, and to consider equitable funding levels for E&S and Agricultural technicians. Staff does not anticipate any significant funding shift between program areas. However, the new 5-year average well-count date may impact distribution of funds to conservation districts impacted by well activities.

6. **Next meeting – July 18, 2018 – DoubleTree Resort by Hilton, Lancaster, PA.**

7. **Adjournment.** The meeting was adjourned at 9:04 am.

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: June 26, 2018

TO: Members
State Conservation Commission

FROM: Larry G. Baum, Conservation Program Specialist I
State Conservation Commission

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

SUBJECT: 2018 Appointments to the Nutrient Management Advisory Board

Action Requested

Action is requested to approve the following individual to the Nutrient Management Advisory Board (Board):

- Ed Livingston

The appointment has been made by the Commission Chairperson and is provided to the Commission for final approval.

Background

The partial term for David Bentrem, Livestock (Beef) Producer to the board expired June 30, 2018. Mr. Bentrem declined reappointment for a three-year term. Ed Livingston has been nominated by Pennsylvania Farm Bureau. Ed is a beef farmer from York County and works for Dunbar Armored.

The Nutrient and Odor Management Act of 2005 requires board members to be appointed by the Commission Chairperson, and approved by a 2/3 vote of the Commission. **This appointee now requires a formal vote of the Commission in order to be placed on the Board for 3-year terms.**

Thank you for your consideration of these appointments.

Attachments:
Ed Livingston

Pennsylvania Farm Bureau

510 S. 31st Street, P.O. Box 8736 | Camp Hill, PA 17001-8736 | 717.761.2740 | www.pfb.com

June 19, 2018

Mr. Karl G. Brown
Executive Secretary
Pennsylvania State Conservation Commission
2301 North Cameron Street
Harrisburg, PA 17110-9408

Dear Mr. Brown:

Pennsylvania Farm Bureau is pleased to nominate Mr. Ed Livingston as the Livestock Beef Producer Representative to the Nutrient Management Advisory Board.

Mr. Livingston was raised on the family farm working with beef cattle, dairy cows and crops. He has extensive knowledge, interest and experience in managing beef cattle including Charolais and Shorthorn herds. Extensive conservation practices have been implemented on the farm through cooperative efforts with the York County Conservation District. Manure is applied to cropland according to a Manure Management Plan.

Mr. Livingston will be engaged as a member of the Nutrient Management Advisory Board providing practical experience, reason and sound judgement to the Board regarding agricultural nutrient and odor management issues.

A biographical summary of Mr. Livingston is enclosed for your reference.

Bill Neilson, Director of Commodity and Compliance Programs, is available to answer questions concerning the nomination of Ed Livingston and can be contacted at 717.731.3542 or at *wneilson@pfb.com.*

Sincerely,

Joel Rotz
Manager, Government Affairs and
Communications Division

Ed Livingston

Home phone: 717-292-5497
Email address: colwinfarm@gmail.com

Edwin Livingston is the son of George and Madeline Livingston of Dover. He is the youngest of 5 children. He was raised on a dairy, beef and crops farm. He graduated from Dover Area High School in 1991. Studied at Penn State, York, for one year before realizing he needed to be at home on the farm, as he was the only one of the siblings at home to work the farm. He married his wife, Colleen in 1996 and has a four-year-old daughter Marissa. In 1997, he and Colleen bought his Aunt and Uncle's farm as well as their small herd of Charolais and Shorthorn cows.

Over the years, he has shown his leadership skills as he participated in the Dale Carnegie public speaking course. He was the president of the Dover chapter FFA his junior and senior year in High School, represented PA in the national 4-H meats judging contest, attended the national 4-H Congress as the PA agricultural winner, was chairman of the York County 4-H Clubs, Inc., president of the York County Farm Bureau, chairman of the PA State Farm Bureau YF&R committee, president of the Salem Lutheran Church Council, proctor for the Dover Area School District's production agriculture NOCTI exam, treasurer of the South Central PA Cattlemen's Association, member of the national Commodity and Beef Committee for the American Farm Bureau, and serves on numerous state and county Farm Bureau committees.

He is also certified by the Commonwealth of Pennsylvania's Lethal Weapons Training Act where he works at Dunbar Armored as a driver/guard.

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: July 9, 2018

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

FROM: Michael J. Walker, NM Regional Coordinator
State Conservation Commission

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

Action Requested

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

1. Curvin Martin located at 322 Hatchery Lane, Dalmatia, PA 17017

Background

I have completed the required review of the subject nutrient management plan listed above. Final corrections to the plan were received at the PDA Region 2 office on July 9, 2018. As of that date, the plan was considered to be in its final form. The operation, located in Northumberland County, is considered to be a concentrated animal operation (CAO) under the PA Nutrient and Odor Management Act. This operation is also classified as a Concentrated Animal Feeding Operation (CAFO) under DEP regulatory authority. The Commission is the proper authority to act on this plan, because Northumberland County Conservation District has recently dropped their Act 38 delegation and is presently not delegated plan review and action responsibilities under the PA Nutrient and Odor Management Act Program.

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

Thank you for considering this plan for Commission action.

Farm Descriptions

Curvin Martin Farm NMP, Northumberland County – Curvin Martin animal operation is an existing duck animal operation located in the southern portion of Northumberland County near the borough of Pillow, PA. This animal operation consists of a 37,600 finishing ducks in two existing barns. The duck barns consist of a starter end and a finisher side. Approximately 9,400 ducks are placed in the starter end for 14 days and then moved to the finishing side for an additional 25 days. A new flock of starter ducks

are introduced every 4 weeks (28 days). Martin raises approximately 13 flocks of ducks per year. The ducks are 100% confined on the operation. All manure from the starter and finisher sides of the building is directed to a reception pit under each barn (450' by 45' by 1.5') and then transfer via gravity to a HPDE lined earthen manure storage (100' by 185' by 14').

The combined animal equivalent units on Curvin Martin agricultural operation are planned at 94.44. The Martin animal operation consists of 22.6 acres of cropland. All cropland acres are leased to a neighboring farmer who utilizes them to raise corn grain, soybeans and hay. The neighboring farmer rarely applies manure to these fields but they are included in the plan to receive some duck manure. Since all owned land is rented to another, there are no acres under control of Martin. The animal equivalent units per acre for the Curvin Martin operation equals 94.44, classifying the operation as a concentrated animal operation under Act 38 of 2005.

The duck manure is handled as a liquid and exported in the spring, summer and fall to a known manure broker for agriculture crop production. The plan indicates that from records 1.95 million gallons of duck manure is produce per year. Animal mortalities are handled through an on-site incinerator. The resulting ash from the incineration of the ducks is either exported for cropland use of used on the family garden. Approximately 2 tons of ash is generated per year.

Based on my review, the NMP amendment developed for Curvin Martin animal operation meets the requirements of the PA Nutrient and Odor Management Act and Regulations, and I therefore recommend Commission approval.

PA Bulletin
May 12, 2018
MKW

Nutrient Management Plan

For Crop Year(s)

2019, 2020, 2021

Prepared For

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

Curvin Martin
322 Hatchery Lane
Dalmatia, PA 17017
570-758-4356

Operation's Location Address (if different than above)

N/A

Site Name (CAFOs)

Curvin Martin Farm

Recd
3-29-18

Prepared By

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

Diane Comrey
5231 Simpson Ferry Road #231
Mechanicsburg, PA 17050
717-315-3765

Nutrient Management Specialist's Program Certification Number

NMC-1304

NON-FINAL FORM
Version 1
This NMP may be revised prior to a formal action by the Conservation District Board. The final form of the plan will be available at least 7 days prior to Board action. You may contact the Conservation District to determine the current status of the NMP
3-29-18
Month, Day and Year

Administratively Complete Date

4-27-18

Plan Approval Date

Plan Update Submission Date(s)

(updates to the approved plan not requiring board action)

NON-FINAL FORM
Version 2
This NMP may be revised prior to a formal action by the Conservation District Board. The final form of the plan will be available at least 7 days prior to Board action. You may contact the Conservation District to determine the current status of the NMP
4-27-18
Month, Day and Year

Table of Contents

Nutrient Management Plan Summary

Total acres reported in NMP Summary: 0 **Crop Year(s)** 2019

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

Animal Equivalent Units: 94.44 **Animal Equivalent Units Per Acre:** 94.44

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
N/A	0												0		

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

NMP Summary Notes

Crop Years 2019

CMU/Field ID	Notes
N/A	This operator does not land apply manure on this operation.

[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 2019

Manure Application Rate	Manure Spreader Used	Spreader Settings	Tractor Used (if applicable)	Tractor Settings (speed, gear, rpm, pto, etc.)
N/A				

Nutrient Management Plan Summary

Total acres reported in NMP Summary: 0 **Crop Year(s)** 2020

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

Animal Equivalent Units: 94.44 **Animal Equivalent Units Per Acre:** 94.44

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
N/A	0												0		

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

NMP Summary Notes

Crop Years 2020

CMU/Field ID	Notes
N/A	This operator does not land apply manure on this operation.

[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 2020

1

Manure Application Rate	Manure Spreader Used	Spreader Settings	Tractor Used (if applicable)	Tractor Settings (speed, gear, rpm, pto, etc.)
N/A				

Nutrient Management Plan Summary

Total acres reported in NMP Summary: 0 **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: 22.6 **Total Acres Available For Nutrient Application Under Operator's Control: Owned:** 0 **Rented:** 0

Animal Equivalent Units: 94.44 **Animal Equivalent Units Per Acre:** 94.44

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
N/A	0												0		

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

NMP Summary Notes

Crop Years 2021

CMU/Field ID	Notes
N/A	This operator does not land apply manure on this operation.

[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.)
N/A				

Additional Nutrient Management Plan Requirements

Manure Management and Stormwater BMP Implementation Summary

Best Management Practice	NRCS Practice Code [1]	BMP Location	Implementation Season & Year
N/A			

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 stacked in-field on this operation.

Additional CAFO Requirements

CAFO Setbacks- There should be no land application of manure or agricultural wastewater within 100 ft of surface waters or potential conduits to surface water, or within 35 ft of surface waters or potential conduits to surface waters if there is a vegetated buffer.

Winter manure spreading- "Winter" is defined as, any one of the following conditions; December 15th to February 28th, frozen ground (4 inch depth) or snow-covered ground. Winter setbacks are- No winter manure application within 100 ft of an above ground agricultural drainage inlet where surface flow is toward the inlet, and no winter manure application within 100 ft of a wetland (identified on National Wetland Inventory Maps), within the 100 yr floodplain of an Exceptional Value stream segment if surface flow is toward the wetland, and fields receiving winter manure application must have at least 25% cover or an established cover crop.

Additional CAFO Requirements- All feed & supplies are stored in a shed or under roof so as to prevent contact with rainwater or a rain event.

Refer to your PPC Plan for emergency response provisions

Animal Mortality- Proper handling of animal mortality is regulated under the PA Domestic Animal Law, PA Dept of Agriculture. Dead animals should be removed AND composted within 48 hours of death.

Additional CAFO Requirements--- Continued

Chemical Contaminants- Proper handling and disposal of chemical contaminants are regulated under the DEP requirements of Preparedness, Prevention and Contingency (PPC) Plan.

Recordkeeping- Recordkeeping requirements and monitoring requirements will be included in the NPDES Permit issued for the CAFO.

CAFO permits are to be kept current.

THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE EMBANKMENT TO THE TOP OF THE MANURE LEVEL ON DECEMBER 15TH IS 5.8 FEET OR THE EQUIVALENT SLOPE DISTANCE FROM THE TOP OF EMBANKMENT TO MANURE LEVEL ON DECEMBER 15TH IS 11.6 FEET.

Proposed Manure Storage Description

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

There is no manure storage proposed for this operation.

Description of Planned Alternative Manure Technology Practices

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

There are no alternative manure technology practices planned for this operation.

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.

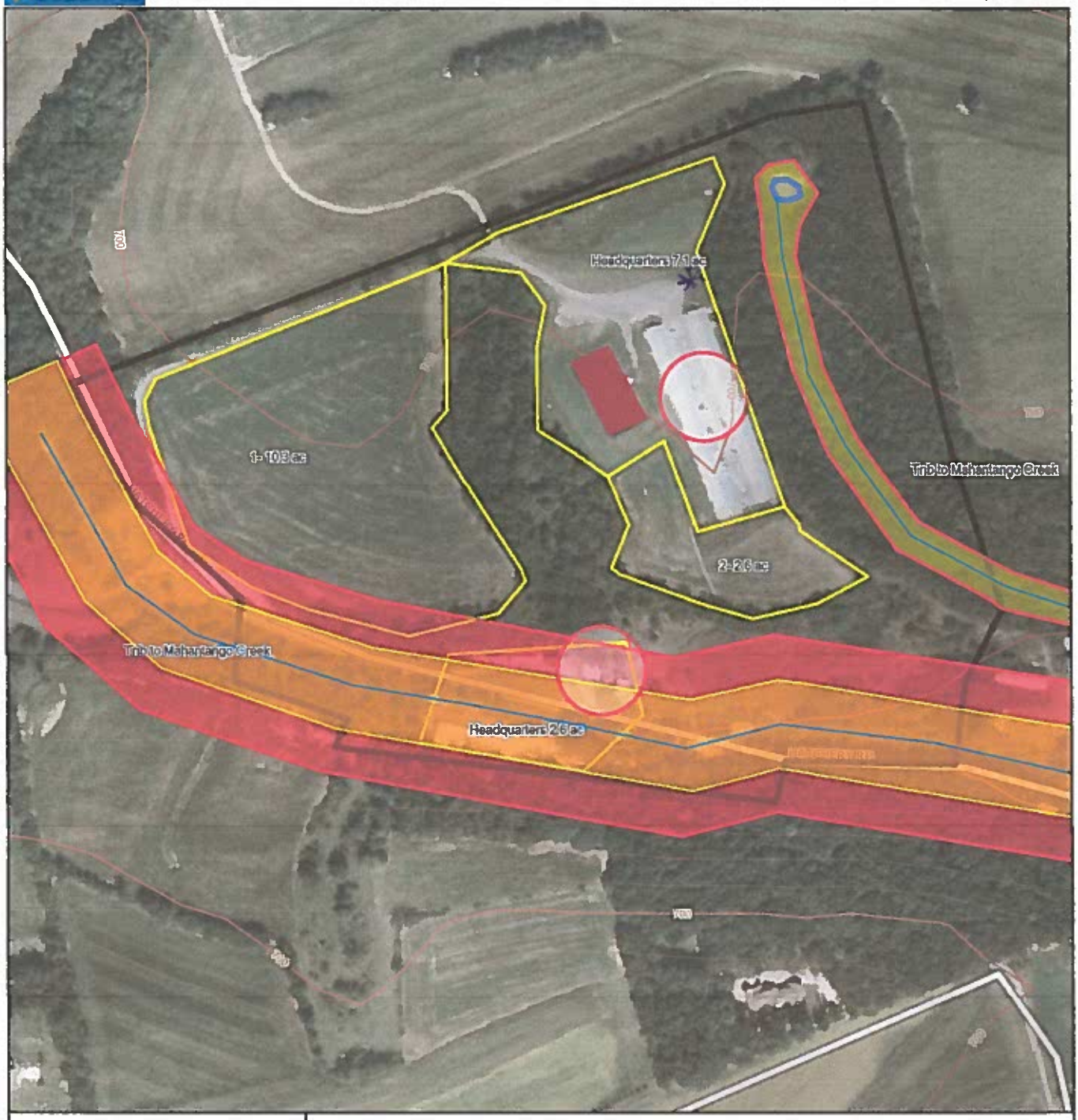
A manure is exported to a Certified Manure Broker, Jeff Martin, except for manure that is land applied to Curvin Martin land rented to Alvin Shaffer.

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.

DeLORME

Topo USA® 8



Happy Quack Farm

Curvin Martin

322 Hatchery Lane

Dalmatia, PA 17017

Northumberland County, PA

Nutrient Management Plan Map, 2019-2021

- Property Boundary
- Field Boundary
- 35 ft setback from streams, ponds vegetative buffer is present
- 100 ft setback from wells
- 200 ft setback WINTER manure application Winter Manure Application is not planned
- Existing earthen waste storage pond
- 100 ft setback from streams

Scale 1 : 4,000

1" = 333.3 ft

Data Zoom 15-6

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)
X	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	2019	2020	2021

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 7/4/18

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 Curvin Martin

Operator Title owner

Date 3/24/18

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.

This is an existing duck operation consisting of 18,800 ducks. Two duck barns are present, each with a starter side and a finisher side. Each barn consists of 9,400 ducklings on the starter side for 14 days. The ducklings are then moved to the finisher side for 25 days. Each duckling is on the operation for 39 days. A new flock is introduced to the starter side every 4 weeks. This operation raises approximately 13 flocks a year.

There are approximately 22.6 acres to this operation, of which 9.7 acres are farmstead, 12.9 acres are cropland rented out to Alvin Shaffer, and 0 acres pasture and hayland. Cropland is rented to a neighboring farm however duck manure may be applied to this acreage occasionally.

All manure from both the starter and finisher side of the building is directed to the existing manure pit through a gravity flow system that remains open. This waste storage facility is bottom-loaded (pipe exits mid-level in the pit). This is approximately 90% emptied in the spring and fall, but manure is also removed during the year as importers request manure. The waste storage is agitated completely prior to unloading, this takes approximately 30 minutes. If a full day of spreading is undertaken then periodically throughout the day the manure is agitated for a total of 1 hour. The manure is unloaded to the trucks by pump. Spring manure group consists of starter and finisher manure. Fall manure group consists of starter and finisher manure. 975,000 gallons of manure are produced in both spring and fall for a total of 1,950,000 gallons annually.

Animal mortality is handled through on-site incineration. The incinerator is located northeast of the poultry barns. The resulting ash is either applied to cropland or the family garden. The incinerator is emptied once a month with resulting ash equally approximately 300-400 lbs a month.

County(s)

Northumberland County/ Lower Mahanoy Township

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

Tributary to and/or Mahantango Creek- WWF- Warm Water Fish

Notation of Special Protection Waters

None

Operation Acres

Total Acres: 22.6

Total Acres Available for Nutrient Application Under Operator's Control

Owned: 0

Rented: 0

Names & Addresses of Owners of Rented or Leased Land

N/A- This producer does not rent land.

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, there is an HDPE lined earthen manure storage structure on this operation with dimensions 100' x 185' x 14' deep. Usable capacity of this storage after 1 ft required CAFO freeboard plus 5.5 inches 25 yr storm required freeboard is 1,010,869 gallons. This structure receives all duck manure and duck house wash-down water. All manure from both the starter and finisher sides of the buildings are directed to the existing manure pit through a gravity flow system that remains open. This waste storage facility is bottom-loaded (pipe exits mid-level in the pit). This is approximately 90% emptied in the spring and fall, but manure is also removed during the year as importers request manure. The waste storage is agitated completely prior to unloading, this take approximately 30 minutes. If a full day of spreading is undertaken then periodically throughout the day the manure is agitated for a total of 1 hour. The manure is unloaded to the trucks by pump. Spring manure group consists of starter and finisher manure. Fall manure group consists of starter and finisher manure. The reception pit beneath each poultry house is 450 ft long x 45 ft wide x 1.5 ft deep. Each provides usable capacity of 227,205 gallons.

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.

This producer does not land apply manure. A Certified Custom Hauler spreads manure to owned-but-rented-out land.

Appendix 3 Manure Group Information Crop Yrs. 2019	Spring Duck Manure		Fall Duck Manure	
Manure Report Date (note if averaging several reports)	April 18, 2018		April 18, 2018	
Laboratory Name	Waypoint		Waypoint	
Manure Type	Poultry		Poultry	
Manure Unit (lbs/ton or 1000 gal)	lb/1000 gal		lb/1000 gal	
Total Nitrogen (N) (lbs/ton or 1000 gal)	24.74		24.74	
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	19.00		19.00	
Total Organic N (lbs/ton or 1000 gal)	5.74	Go to N/P Index	5.74	
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	15.74	Go to Appendix 3 Input	15.74	
Total Potash (K_2O) (lbs/ton or 1000 gal)	12.70	Go to Manure Avg Input	12.70	
Percent Solids	4.34	Grazing Calculator	4.34	
PSC Value (analytical or book value)	0.80		0.80	
Percent Moisture	95.66		95.66	
Manure Group AEU's	47.35		47.09	
Description: Site & Season Applied	Spring Duck	Spring	Fall Duck	Fall
Inventory Method	Records		Records	
	Collected Calc.	Uncollected Calc.	Collected Calc.	Uncollected Calc.
Manure Group Identification	Spring Duck Manure		Fall Duck Manure	
CALCULATED: Total Manure Collected Per Manure Group Units				
RECORDS: Total Manure Collected Per Manure Group Unit	975,000.0 gallons		975,000.0 gallons	
Manure Used On-Farm Units	Collected 0.0 Gallons	Uncollected 0.0	Collected 0.0 Gallons	Uncollected 0.0
Manure Exported Units	975,000.0 gallons		975,000.0 gallons	
Manure Allocation Balance Units	0.0 Gallons	0.0	0.0 Gallons	0.0
Manure Balance as a Percent of Total Manure Collected	0.0%		0.0%	
Total Rainfall and Runoff	0 gallons		0 gallons	

Appendix 3 Manure Group Information Crop Yrs. 2019	Spring Duck Manure		Fall Duck Manure	
	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values
Animal Group 1	Spring Duckling		Fall Duckling	
Animal Type	Duck, starter: 0–17 days		Duck, starter: 0–17 days	
Animal Number	18,800		18,800	
Animal Weight	1.36		1.36	
Animal Group AUs	25.57		25.57	
Animal Group AEUs	6.37		6.37	
Daily Manure Production per AU	13.0		13.0	
Total Days Manure Produced	91		91	
Total Manure Produced				
Days On Pasture	0		0	
Hours Per Day On Pasture	0		0	
Total Bedding				Grazing Calculator
Total Washwater				
CALCULATED - Total Uncollected Manure Per Animal Group				
CALCULATED-Total Manure Collected Per Animal Group		App 3 Input		

Animal Group 2	Spring Duck		Fall Duck	
Animal Type	Duck, finisher: 17-38 days		Duck, finisher: 17-38 days	
Animal Number	18800		18800	
Animal Weight	4.88		4.88	
Animal Group AUs	91.74		91.74	
Animal Group AEUs	40.97		40.72	
Daily Manure Production per AU	13.0		13.0	
Total Days Manure Produced	163		162	
Total Manure Produced				
Days On Pasture	0		0	
Hours Per Day On Pasture	0		0	
Total Bedding				
Total Washwater				
CALCULATED - Total Uncollected Manure Per Animal Group				
CALCULATED-Total Manure Collected Per Animal Group		App 3 Input		

Appendix 5 - P Index

No P Index Part B fields in this Plan

Go to NMP Index
Go to App 4 Input

Crop Yrs. 2019

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 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)
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 EROSION	Soil Loss (ton/acre/yr)				
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".

Manure Analysis 5 Year Running Average

Manure Average for Crop Years. 2019	Spring Duck Manure					
	Average	1 year ago	2 years ago	3 years ago	4 years ago	5 years ago
Manure Report Date	Apr 18 2018	Apr 18 2018	Feb 03 2017	May 12 2015		
Laboratory Name	Waypoint	Waypoint	PSU AASL	Agri Analysis		
Manure Type	Poultry	Poultry	Poultry	Poultry		
Manure Unit (lbs/ton or 1000 gal)	lb/1000 gal	lb/1000 gal	lb/1000 gal	lb/1000 gal		
Total Nitrogen (N) (lbs/ton or 1000 gal)	24.74	15.30	29.52	29.40		
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	19.00	14.90	17.30	24.80		
Total Organic N (lbs/ton or 1000 gal)	5.74	0.40	12.22	4.60		
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	15.74	10.60	21.53	15.10		
Total Potash (K_2O) (lbs/ton or 1000 gal)	12.70	9.28	12.22	16.60		
Percent Solids	4.34	5.10	4.52	3.40		
PSC Value (Enter analytical or book value)	0.80	0.80	0.80	0.80		

Manure Average for Crop Years. 2019	Fall Duck Manure					
	Average	1 year ago	2 years ago	3 years ago	4 years ago	5 years ago
Manure Report Date	Apr 18 2018	Apr 18 2018	Feb 03 2017	May 12 2015		
Laboratory Name	Waypoint	Waypoint	PSU AASL	Agri Analysis		
Manure Type	Poultry	Poultry	Poultry	Poultry		
Manure Unit (lbs/ton or 1000 gal)	lb/1000 gal	lb/1000 gal	lb/1000 gal	lb/1000 gal		
Total Nitrogen (N) (lbs/ton or 1000 gal)	24.74	15.30	29.52	29.40		
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	19.00	14.90	17.30	24.80		
Total Organic N (lbs/ton or 1000 gal)	5.74	0.40	12.22	4.60		
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	15.74	10.60	21.53	15.10		
Total Potash (K_2O) (lbs/ton or 1000 gal)	12.70	9.28	12.22	16.60		
Percent Solids	4.34	5.10	4.52	3.40		
PSC Value (Enter analytical or book value)	0.80	0.80	0.80	0.80		

Appendix 3 Manure Group Information Crop Yrs. 2020	Spring Duck Manure		Fall Duck Manure	
	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values
Animal Group 1	Spring Duckling		Fall Duckling	
Animal Type	Duck, starter: 0–17 days		Duck, starter: 0–17 days	
Animal Number	18,800		18,800	
Animal Weight	1.36		1.36	
Animal Group AUs	25.57		25.57	
Animal Group AEUs	6.37		6.37	
Daily Manure Production per AU	13.0		13.0	
Total Days Manure Produced	91		91	
Total Manure Produced				
Days On Pasture	0		0	
Hours Per Day On Pasture	0		0	
Total Bedding				Grazing Calculator
Total Washwater				
CALCULATED - Total Uncollected Manure Per Animal Group				
CALCULATED-Total Manure Collected Per Animal Group		App 3 Input		

Animal Group 2	Spring Duck		Fall Duck	
Animal Type	Duck, finisher: 17-38 days		Duck, finisher: 17-38 days	
Animal Number	18800		18800	
Animal Weight	4.88		4.88	
Animal Group AUs	91.74		91.74	
Animal Group AEUs	40.97		40.72	
Daily Manure Production per AU	13.0		13.0	
Total Days Manure Produced	163		162	
Total Manure Produced				
Days On Pasture	0		0	
Hours Per Day On Pasture	0		0	
Total Bedding				
Total Washwater				
CALCULATED - Total Uncollected Manure Per Animal Group				
CALCULATED-Total Manure Collected Per Animal Group		App 3 Input		

App. 4: Crop Yrs. 2020	N/A		
CMU/Field ID			
Acres	0.0		
Soil Test Report Date			
Laboratory Name			
Soil Test Levels (Mehlich-3 P & K) (Show conversions to ppm in Appendix 10)	ppm P	ppm K	pH
P Index Part A Evaluation			
Part A Result			
Crop			
Planned Yield			
PSU Soil Test Recommendation (lb/A)	**N**	**P2O5**	**K2O**
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		
Manure History Description Residual Manure N (lb/A)			
Legume History Description Residual Legume N (lb/A)	0		
Net Nutrients Required (lb/A)			
Manure Group			
Application Season: Management (Incorporation, cover crops, etc.)			
Availability Factors (Total N or NH4-N & Organic N)	**Total N**	**NH4-N**	**Org. N**
P Index Application Method			
N Balanced Manure Rate (ton; gal/A)			
P Removal Balance Manure Rate (ton or gal/A; If required by P Index)	Crop P Removal (lb/A)		
P Index Value	#VALUE!		
Planned Manure Rate (ton or gal/A)	**No Manure Applied**		
Nutrients Applied at Planned Manure Rate (lb/A)	0	0	0
Nutrient Balance after Manure			
Supplemental Fertilizer (lb/A)	0	0	0
P Index Application Method			
Final Nutrient Balance (lb/A)	0		
Multiple Application			
Manure Utilized on CMU			

Appendix 5 - P Index

No P Index Part B fields in this Plan

Go to NMP Index
Go to App 4 Input

Crop Yrs. 2020

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 EROSION			Soil Loss (ton/acre/yr)		
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		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".

Manure Analysis 5 Year Running Average

Manure Average for Crop Years. 2020	Spring Duck Manure					
	Average	1 year ago	2 years ago	3 years ago	4 years ago	5 years ago
Manure Report Date	Apr 18 2018	Apr 18 2018	Feb 03 2017	May 12 2015		
Laboratory Name	Waypoint	Waypoint	PSU AASL	Agri Analysis		
Manure Type	Poultry	Poultry	Poultry	Poultry		
Manure Unit (lbs/ton or 1000 gal)	lb/1000 gal	lb/1000 gal	lb/1000 gal	lb/1000 gal		
Total Nitrogen (N) (lbs/ton or 1000 gal)	24.74	15.30	29.52	29.40		
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	19.00	14.90	17.30	24.80		
Total Organic N (lbs/ton or 1000 gal)	5.74	0.40	12.22	4.60		
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	15.74	10.60	21.53	15.10		
Total Potash (K_2O) (lbs/ton or 1000 gal)	12.70	9.28	12.22	16.60		
Percent Solids	4.34	5.10	4.52	3.40		
PSC Value (Enter analytical or book value)	0.80	0.80	0.80	0.80		

Manure Average for Crop Years. 2020	Fall Duck Manure					
	Average	1 year ago	2 years ago	3 years ago	4 years ago	5 years ago
Manure Report Date	Apr 18 2018	Apr 18 2018	Feb 03 2017	May 12 2015		
Laboratory Name	Waypoint	Waypoint	PSU AASL	Agri Analysis		
Manure Type	Poultry	Poultry	Poultry	Poultry		
Manure Unit (lbs/ton or 1000 gal)	lb/1000 gal	lb/1000 gal	lb/1000 gal	lb/1000 gal		
Total Nitrogen (N) (lbs/ton or 1000 gal)	24.74	15.30	29.52	29.40		
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	19.00	14.90	17.30	24.80		
Total Organic N (lbs/ton or 1000 gal)	5.74	0.40	12.22	4.60		
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	15.74	10.60	21.53	15.10		
Total Potash (K_2O) (lbs/ton or 1000 gal)	12.70	9.28	12.22	16.60		
Percent Solids	4.34	5.10	4.52	3.40		
PSC Value (Enter analytical or book value)	0.80	0.80	0.80	0.80		

Appendix 3 Manure Group Information Crop Yrs. 2021	Spring Duck Manure		Fall Duck Manure	
Manure Report Date (note if averaging several reports)	April 18, 2018		April 18, 2018	
Laboratory Name	Waypoint		Waypoint	
Manure Type	Poultry		Poultry	
Manure Unit (lbs/ton or 1000 gal)	lb/1000 gal		lb/1000 gal	
Total Nitrogen (N) (lbs/ton or 1000 gal)	24.74		24.74	
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	19.00		19.00	
Total Organic N (lbs/ton or 1000 gal)	5.74	Go to NMP Index	5.74	
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	15.74	Go to Appendix 3 Input	15.74	
Total Potash (K_2O) (lbs/ton or 1000 gal)	12.70	Go to Manure Avg Input	12.70	
Percent Solids	4.34	Grazing Calculator	4.34	
PSC Value (analytical or book value)	0.80		0.80	
Percent Moisture	95.66		95.66	
Manure Group AEU's	47.35		47.09	
Description: Site & Season Applied	Spring Duck	Spring	Fall Duck	Fall
Inventory Method	Records		Records	
	Collected Calc.	Uncollected Calc.	Collected Calc.	Uncollected Calc.
Manure Group Identification	Spring Duck Manure		Fall Duck Manure	
CALCULATED: Total Manure Collected Per Manure Group Units				
RECORDS: Total Manure Collected Per Manure Group Unit	975,000.0 gallons		975,000.0 gallons	
Manure Used On-Farm Units	Collected 0.0 Gallons	Uncollected 0.0	Collected 0.0 Gallons	Uncollected 0.0
Manure Exported Units	975,000.0 gallons		975,000.0 gallons	
Manure Allocation Balance Units	0.0 Gallons	0.0	0.0 Gallons	0.0
Manure Balance as a Percent of Total Manure Collected	0.0%		0.0%	
Total Rainfall and Runoff	0 gallons		0 gallons	

Appendix 3 Manure Group Information Crop Yrs. 2021	Spring Duck Manure		Fall Duck Manure	
	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values	Manure Generation per Animal Group	Uncollected Manure: Nutrient Analysis Book Values
Animal Group 1	Spring Duckling		Fall Duckling	
Animal Type	Duck, starter: 0–17 days		Duck, starter: 0–17 days	
Animal Number	18,800		18,800	
Animal Weight	1.36		1.36	
Animal Group AUs	25.57		25.57	
Animal Group AEUs	6.37		6.37	
Daily Manure Production per AU	13.0		13.0	
Total Days Manure Produced	91		91	
Total Manure Produced				
Days On Pasture	0		0	
Hours Per Day On Pasture	0		0	
Total Bedding				Grazing Calculator
Total Washwater				
CALCULATED - Total Uncollected Manure Per Animal Group				
CALCULATED-Total Manure Collected Per Animal Group		App 3 Input		

Animal Group 2	Spring Duck		Fall Duck	
Animal Type	Duck, finisher: 17-38 days		Duck, finisher: 17-38 days	
Animal Number	18800		18800	
Animal Weight	4.88		4.88	
Animal Group AUs	91.74		91.74	
Animal Group AEUs	40.97		40.72	
Daily Manure Production per AU	13.0		13.0	
Total Days Manure Produced	163		162	
Total Manure Produced				
Days On Pasture	0		0	
Hours Per Day On Pasture	0		0	
Total Bedding				
Total Washwater				
CALCULATED - Total Uncollected Manure Per Animal Group				
CALCULATED-Total Manure Collected Per Animal Group		App 3 Input		

App. 4: Crop Yrs. 2021	N/A		
CMU/Field ID			
Acres	0.0		
Soil Test Report Date			
Laboratory Name			
Soil Test Levels (Mehlich-3 P & K) (Show conversions to ppm in Appendix 10)	ppm P	ppm K	pH
P Index Part A Evaluation			
Part A Result			
Crop			
Planned Yield			
PSU Soil Test Recommendation (lb/A)	N	P2O5	K2O
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		
Manure History Description Residual Manure N (lb/A)			
Legume History Description Residual Legume N (lb/A)	0		
Net Nutrients Required (lb/A)			
Manure Group			
Application Season: Management (Incorporation, cover crops, etc.)			
Availability Factors (Total N or NH4-N & Organic N)	Total N	NH4-N	Org. N
P Index Application Method			
N Balanced Manure Rate (ton; gal/A)			
P Removal Balance Manure Rate (ton or gal/A; If required by P Index)	Crop P Removal (lb/A)		
P Index Value	#VALUE!		
Planned Manure Rate (ton or gal/A)	No Manure Applied		
Nutrients Applied at Planned Manure Rate (lb/A)	0	0	0
Nutrient Balance after Manure			
Supplemental Fertilizer (lb/A)	0	0	0
P Index Application Method			
Final Nutrient Balance (lb/A)	0		
Multiple Application			
Manure Utilized on CMU			

Appendix 5 - P Index

No P Index Part B fields in this Plan

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
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 EROSION	Soil Loss (ton/acre/yr)				
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		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".

Manure Analysis 5 Year Running Average

Manure Average for Crop Years. 2021	Spring Duck Manure					
	Average	1 year ago	2 years ago	3 years ago	4 years ago	5 years ago
Manure Report Date	Apr 18 2018	Apr 18 2018	Feb 03 2017	May 12 2015		
Laboratory Name	Waypoint	Waypoint	PSU AASL	Agri Analysis		
Manure Type	Poultry	Poultry	Poultry	Poultry		
Manure Unit (lbs/ton or 1000 gal)	lb/1000 gal	lb/1000 gal	lb/1000 gal	lb/1000 gal		
Total Nitrogen (N) (lbs/ton or 1000 gal)	24.74	15.30	29.52	29.40		
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	19.00	14.90	17.30	24.80		
Total Organic N (lbs/ton or 1000 gal)	5.74	0.40	12.22	4.60		
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	15.74	10.60	21.53	15.10		
Total Potash (K_2O) (lbs/ton or 1000 gal)	12.70	9.28	12.22	16.60		
Percent Solids	4.34	5.10	4.52	3.40		
PSC Value (Enter analytical or book value)	0.80	0.80	0.80	0.80		

Manure Average for Crop Years. 2021	Fall Duck Manure					
	Average	1 year ago	2 years ago	3 years ago	4 years ago	5 years ago
Manure Report Date	Apr 18 2018	Apr 18 2018	Feb 03 2017	May 12 2015		
Laboratory Name	Waypoint	Waypoint	PSU AASL	Agri Analysis		
Manure Type	Poultry	Poultry	Poultry	Poultry		
Manure Unit (lbs/ton or 1000 gal)	lb/1000 gal	lb/1000 gal	lb/1000 gal	lb/1000 gal		
Total Nitrogen (N) (lbs/ton or 1000 gal)	24.74	15.30	29.52	29.40		
Ammonium N (NH_4-N) (lbs/ton or 1000 gal)	19.00	14.90	17.30	24.80		
Total Organic N (lbs/ton or 1000 gal)	5.74	0.40	12.22	4.60		
Total Phosphate (P_2O_5) (lbs/ton or 1000 gal)	15.74	10.60	21.53	15.10		
Total Potash (K_2O) (lbs/ton or 1000 gal)	12.70	9.28	12.22	16.60		
Percent Solids	4.34	5.10	4.52	3.40		
PSC Value (Enter analytical or book value)	0.80	0.80	0.80	0.80		

Appendix 6

Manure Management

Date of Site Evaluation: March 8, 2018

Statement Documenting Areas Evaluated During Site Evaluation

List and clearly identify each of the specific areas evaluated.

All areas relating to manure management were evaluated during this site visit, including poultry houses, feed storage and manure storage pond areas. There are no barnyards or ACAs on this duck operation.

Identification of Inadequate Manure Management Practices and Conditions

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

None at this time

BMPs to Address Manure Management Problem Areas

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

None at this time

Appendix 7

Stormwater Control

Date of Site Evaluation: March 8, 2018

Statement Documenting Areas Evaluated During Site Evaluation

List and clearly identify each of the specific areas evaluated.

All areas relating to stormwater control were evaluated during this site visit, including around poultry houses and down gradient areas from poultry houses and manure storage. Near-stream areas were re-evaluated for vegetative buffer. There is no pasture on this duck operation.

Identification of Critical Runoff Problem Areas

List of each specific critical runoff problem area identified.

None at this time

BMPs to Address Critical Runoff Problem Areas

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

None at this time

Appendix 8

Importer/Broker Agreements & NBSs

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

Importer/Broker Agreement is included for Jeff Martin.

Exporter/Broker Agreement

Developed consistent with the PA Nutrient and Odor Management Act Program

1) This agreement is entered into on March 15, 2018, by Curvin Marin (the "exporter") who will supply manure, and Jeff Martin (the "broker") who will receive the manure from the exporter.

2) The purpose of this agreement is to set forth the mutual responsibilities and understanding of the parties with respect to the export of manure from the exporter to the broker.

3) The exporter is located at (county, twp, and address): Northumberland County, Lower Mahanoy Township, 322 Hatchery Lane, Dalmatia, PA 17017

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

   Tons of N/A *(Species)* manure, per season:
   Spring _____ Summer _____ Fall _____ Winter _____

   Gallons of Duck Manure *(Species)* manure, per season:
   Spring 975,000 Summer 975,000 Fall 975,000 Winter 0

   Total planned manure exported: (supply of manure may be less than what is planned)
   Tons of N/A *(Species)* manure: _____
   Gallons of Duck *(Species)* manure: 1,950,000

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

5) The broker's contact information is as follows:

   a) **Name:** Jeff Martin, Lykens Valley Spreading LLC
   b) **Address:** PO Box 23, Pillow, PA 17080
   c) **Telephone number:** 570-758-4356
   d) **PDA Manure Broker Certification number:** 2083-MB2

6) The Broker agrees to maintain their status as a certified Commercial Manure Broker as provided under Pa's Commercial Manure Hauler and Broker Certification Program (7 Pa Code Chapter 130e).

7) The Broker agrees to comply with all requirements established by section 5 of the Commercial Manure Hauler and Broker Certification Act regarding the development and distribution of nutrient balance sheets to importing operations and conservation districts when handling manure from a CAO, CAFO or volunteer operation. Specifically, where a broker under this agreement, makes arrangements for land application of the manure on an importing agricultural operation, the broker must:
   a. Provide a NBS to all importing operations receiving manure for land application, no later than the time of manure transfer
   b. Provide copies of the NBS, no later than the time of manure transfer, to the county conservation district where the manure originated (exporting operation county)

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

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

8) The exporter will use a Manure Export Sheet to record all manure exported to the broker. These Manure Export Sheets are available from the county conservation district or the State Conservation Commission. Computer generated forms other than the manure export sheet may be used if they contain the same information as, and are reasonably similar in format to, the forms available from the State Conservation Commission or the conservation district.

9) This agreement shall remain in full effect unless terminated by either party upon thirty days prior written notice to the other party. If this agreement is terminated, the exporter shall notify the county conservation district office that approved their nutrient management plan, of the termination.

10) By signing this agreement, the broker accepts full responsibility for the manure received from the exporter as long as the manure is under the broker's control, including handling, storage and land application.

Exporter Signature, Name and Date		**Broker Signature, Name and Date**	
Curvin Martin	(signature)	Jeff Martin	(signature)
Curvin Martin	(name)	Jeff Martin	(name)
March 15, 2018	(date)	March 15, 2018	(date)

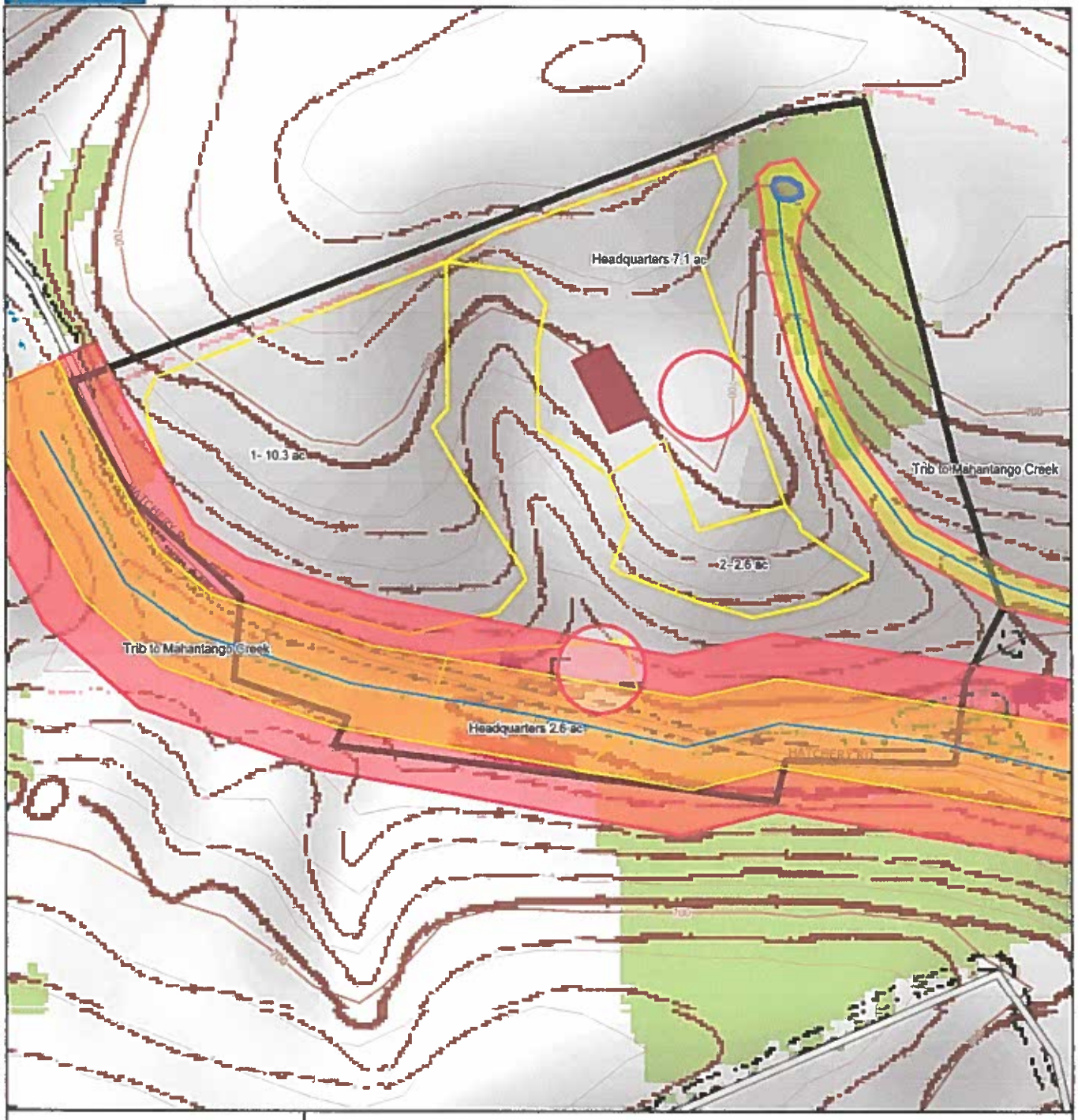
Appendix 9

Operation Maps

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

DeLORME

Topo USA® 8



Happy Quack Farm

Curvin Martin

322 Hatchery Lane

Dalmatia, PA 17017

Northumberland County, PA

Nutrient Management Plan Map, 2019-2021

- Property Boundary
- Field Boundary
- 35 ft setback from streams, ponds vegetative buffer is present
- 100 ft setback from wells
- 200 ft setback WINTER manure application Winter Manure Application is not planned
- Existing earthen waste storage pond
- 100 ft setback from streams

Scale 1 : 4,000

1" = 333.3 ft Data Zoom 15-6

Custom Soil Resource Report
Soil Map (Curvin Martin/Happy Quack Farm, 10/15/2011, Northumberland County, PA)

Map Unit Legend (Curvin Martin/Happy Quack Farm, 10/15/2011, Northumberland County, PA)

Northumberland County, Pennsylvania (PA097)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Bd	Basher soils, frequently flooded	7.1	14.4%
BkB	Berks shaly silt loam, 3 to 8 percent slopes	3.1	6.4%
BkC	Berks shaly silt loam, 8 to 15 percent slopes	20.5	41.7%
BkD	Berks shaly silt loam, 15 to 25 percent slopes	1.6	3.3%
W	Water	0.0	0.1%
WeD	Weikert shaly silt loam, 15 to 25 percent slopes	5.3	10.7%
WkE	Weikert and Klinesville shaly silt loams, steep	11.6	23.4%
Totals for Area of Interest		49.3	100.0%

Map Unit Descriptions (Curvin Martin/Happy Quack Farm, 10/15/2011, Northumberland County, PA)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified

Northumberland County, Pennsylvania

Bd—Basher soils, frequently flooded

Map Unit Setting

Elevation: 400 to 840 feet
Mean annual precipitation: 30 to 45 inches
Mean annual air temperature: 45 to 54 degrees F
Frost-free period: 120 to 187 days

Map Unit Composition

Basher and similar soils: 80 percent
Minor components: 5 percent

Description of Basher

Setting

Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Reddish alluvium derived from sedimentary rock

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 72 to 99 inches to lithic bedrock
Drainage class: Moderately well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 2.00 in/hr)
Depth to water table: About 12 to 36 inches
Frequency of flooding: Frequent
Frequency of ponding: None
Available water capacity: Moderate (about 8.7 inches)

Interpretive groups

Land capability (nonirrigated): 3w

Typical profile

0 to 5 inches: Silt loam
5 to 24 inches: Silt loam
24 to 56 inches: Loam
56 to 65 inches: Very gravelly sand

Minor Components

Holly

Percent of map unit: 5 percent
Landform: Flood plains
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Base slope
Down-slope shape: Concave
Across-slope shape: Concave

Mean annual air temperature: 52 to 55 degrees F
Frost-free period: 170 to 217 days

Map Unit Composition
Berks and similar soils: 65 percent

Description of Berks

Setting
Landform: Ridges, valleys
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Parent material: Residuum weathered from shale and siltstone

Properties and qualities
Slope: 8 to 15 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 2.4 inches)

Interpretive groups
Land capability (nonirrigated): 3e

Typical profile
0 to 11 inches: Channery silt loam
11 to 24 inches: Very channery silt loam
24 to 30 inches: Very channery silt loam
30 to 34 inches: Weathered bedrock

BkD—Berks shaly silt loam, 15 to 25 percent slopes

Map Unit Setting
Elevation: 300 to 1,500 feet
Mean annual precipitation: 36 to 50 inches
Mean annual air temperature: 52 to 55 degrees F
Frost-free period: 170 to 217 days

Map Unit Composition
Berks and similar soils: 65 percent

Description of Berks

Setting
Landform: Ridges, valleys
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope

BkB—Berks shaly silt loam, 3 to 8 percent slopes

Map Unit Setting

Elevation: 300 to 1,500 feet
Mean annual precipitation: 36 to 50 inches
Mean annual air temperature: 52 to 55 degrees F
Frost-free period: 170 to 217 days

Map Unit Composition

Berks and similar soils: 65 percent

Description of Berks

Setting

Landform: Ridges, valleys
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Residuum weathered from shale and siltstone

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 2.4 inches)

Interpretive groups

Land capability (nonirrigated): 2e

Typical profile

0 to 11 inches: Channery silt loam
11 to 24 inches: Very channery silt loam
24 to 30 inches: Very channery silt loam
30 to 34 inches: Weathered bedrock

BkC—Berks shaly silt loam, 8 to 15 percent slopes

Map Unit Setting

Elevation: 300 to 1,500 feet
Mean annual precipitation: 36 to 50 inches

Down-slope shape: Linear, convex
Across-slope shape: Convex, linear
Parent material: Residuum weathered from shale and siltstone

Properties and qualities
Slope: 15 to 25 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 2.4 inches)

Interpretive groups
Land capability (nonirrigated): 4e

Typical profile
0 to 11 inches: Channery silt loam
11 to 24 inches: Very channery silt loam
24 to 30 inches: Very channery silt loam
30 to 34 inches: Weathered bedrock

W—Water

Map Unit Setting
Mean annual precipitation: 36 to 46 inches
Mean annual air temperature: 44 to 57 degrees F
Frost-free period: 130 to 180 days

Map Unit Composition
Water: 100 percent

WeD—Weikert shaly silt loam, 15 to 25 percent slopes

Map Unit Setting
Elevation: 500 to 1,600 feet
Mean annual precipitation: 36 to 50 inches
Mean annual air temperature: 46 to 57 degrees F
Frost-free period: 120 to 200 days

Map Unit Composition
Weikert and similar soils: 80 percent

Description of Weikert

Setting
Landform: Hills

Landform position (two-dimensional): Backslope, shoulder
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from shale and siltstone

Properties and qualities

Slope: 15 to 25 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 1.3 inches)

Interpretive groups

Land capability (nonirrigated): 6e

Typical profile

0 to 7 inches: Channery silt loam
7 to 15 inches: Very channery silt loam
15 to 19 inches: Unweathered bedrock

WkE—Weikert and Klinesville shaly silt loams, steep

Map Unit Setting

Elevation: 300 to 1,600 feet
Mean annual precipitation: 36 to 50 inches
Mean annual air temperature: 46 to 57 degrees F
Frost-free period: 120 to 200 days

Map Unit Composition

Weikert and similar soils: 40 percent
Klinesville and similar soils: 30 percent

Description of Weikert

Setting

Landform: Hills
Landform position (two-dimensional): Backslope, shoulder
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from shale and siltstone

Properties and qualities

Slope: 25 to 75 percent
Depth to restrictive feature: 10 to 20 inches to paralithic bedrock
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None

Frequency of ponding: None
Available water capacity: Very low (about 1.3 inches)

Interpretive groups
Land capability (nonirrigated): 7e

Typical profile
0 to 7 inches: Channery silt loam
7 to 15 inches: Very channery silt loam
15 to 19 inches: Bedrock

Description of Klinesville

Setting
Landform: Ridges, valleys
Landform position (two-dimensional): Backslope, shoulder
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Residuum weathered from siltstone

Properties and qualities
Slope: 25 to 75 percent
Depth to restrictive feature: 10 to 20 inches to lithic bedrock
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 1.3 inches)

Interpretive groups
Land capability (nonirrigated): 7e

Typical profile
0 to 7 inches: Channery silt loam
7 to 11 inches: Very channery silt loam
11 to 15 inches: Very channery silt loam
15 to 19 inches: Bedrock

Appendix 10 Crop Years 2019 2020 2021

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.

STORAGE CALCULATIONS
100'X185' x 14' with a 2 side slope ratio
129'X44' bottom dimensions

TOTAL STORAGE CALCULATIONS
$V= (d/3) X (A_{tas} + A_b + (A_{tas} X A_b)^{0.5}$

d = 14 – 1(required freeboard) - .46 (25 yr storm) = 12.54 ft usable storage
A_{tas} = [129 + (2 X 2X 12.54)] X [44 + (2 X 2 X 12.54)] = 179.16 X 94.16 = 16869.71
A_b = 129 X 44 = 5676

$V= (12.54/3) X [16869.71 + 5676 + (16869.71 X 5676)^{0.5}$
= (4.18) X (16869.71 + 5676 + 9785.32)
= 4.18 X 32331.03
= 135,143
= 135143 X 7.48
= 1,010,869 gallons

WINTER STORAGE CALCULATIONS
A_{tas} = [129 + (2 X 2 X 7.5)] X [44 + (2 X 2 X 7.5)] = 159 X 74 = 11,766
A_b = 129 X 44 = 5676

$V= (7.5/3) X [11766 + 5676 + (11766 X 5676)^{0.5}$
= (2.5) X (11766 + 5676 + 8172.14)
= 2.5 X 25,614.14
= 64,035
= 64,035 X 7.48
= 478,981 gallons
This is sufficient for 3 months storage. Freeboard of 7.5 ft required on December 15th.

MANURE STORAGE WINTER CAPACITY PLANNING LEVEL DETERMINATION SPREADSHEET

for Sloped Waste Storage Facilities

This spreadsheet is one option to solve for the required Vertical storage depth for CAFO's going into the winter storage period. Sloped interiors result in a variation of capacity per unit of depth. Using four inputs, the program generates a set of data for the facility volume. Additional data determines the vertical depths and volumes to be subtracted from the total storage depth. The final step is a simple trial and error input to develop the vertical depth required. Outputs include a summary planveiw, x-section, and a Stage-Storage curve.

Note: User to fill in all Blue cells

Operator or Farm Name:	Curvin Martin	**Storage ID or Name:**	Stage 3 for Dairy Cows
Completed by:	Diane Comrey	**County:**	Northumberland
		Date:	7/9/18

Data Input

(Enter data in light blue cells)

Storage Pond Dimensions being Evaluated

Width of Storage	"W"	100	Feet	(Measured at inside top of slope)
Length of Storage	"L"	185	Feet	(Measured at inside top of slope)
Depth of Storage	"D"	14	Feet	(Measured from top of embankment to pumpout depth)
Interior Side Slope		2	:1	(Commonly 2.5, but can be 2.0 or 3.0)

Freeboard	1	Feet	(See Guidelines: Either 1' or 2' for all sites)
25yr or 100 yr 24 hr rainfall	5.5	Inches	(See Table 5 and use value or highest in range or Go to NOAA 14)

Net Rainfall over pit	Dec Net	1.91	inches	**Paved Lot runoff**	Dec Net	0	inches
(From Supplement 7	Jan Net	1.6	inches	(If paved area drains into	Jan Net	0	inches
Assume evap.)	Feb Net	1.55	inches	storage)	Feb Net	0	inches

NOTE: The Dec Net value will be prorated 17/31 to reflect partial value for Dec.)

Paved Drainage Area into storage	0	Square Feet	(Enter Zero if none)
Manure, washwater, bedding excluding any outside drainage areas over 76 days	406,027	Gallons	(This is derived from data in Appendix 3 by getting daily production and multipling by 76.) (Dec 15 thru Feb 28 or 76 Days)

Note: User to use Trial and Error in Olive Green Cell to find minimum Depth

Outputs & Results

(Yellow cells auto-filled)

Curvin Martin
Stage 3 for Dairy Cows

Depth from top of storage: 14 Feet

Depth after subtracting Freeboard: 13.0 Feet — 1,076,965 Gallons of storage at this depth

Combined volume of wastes over 76 days, paved lot, 24 hr and net rainfall over storage: 517,854 Gallons

Vol. of wastes over 76 days	406,027 Gallons
Vol. of runoff from paved lot	0 Gallons
Vol. of 24hr event over top area	63,424 Gallons
Vol. of Net rainfall over top area	48,403 Gallons
Vol. of 24hr event over drainage area	0 Gallons

Maximum Volume entering winter period: 559,111 Gallons

Enter the highest value that does not exceed Maximum Volume shown above. Watch corresponding volume for selected depth, shown to left to assist you in the process.

8.2 Feet — 544,162 Gallons — Shows Volume at your selected depth

Depth selected gets as close to Maximum volume without going over

This is the minimum vertical distance from the top of the embankment to the top of the manure level on Dec. 15: 5.8 Feet

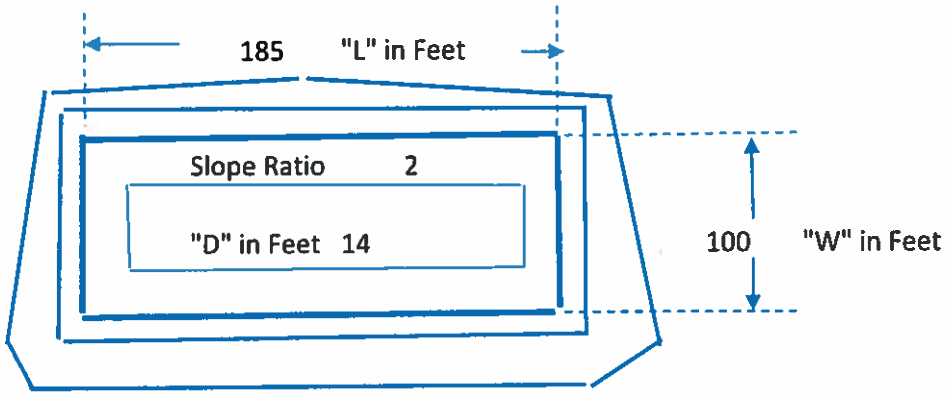
or

or

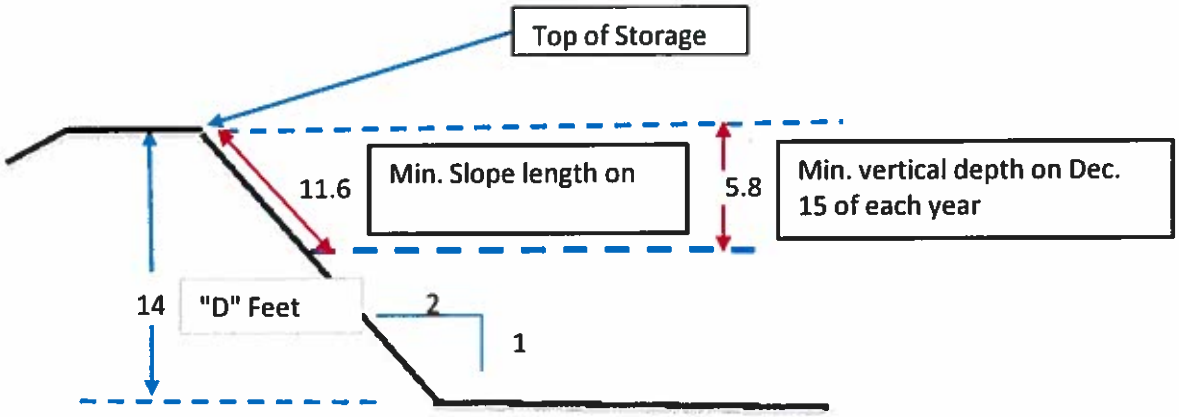
The equivelant slope distance from top of embankment to manure level on Dec. 15: 11.6 Feet

Curvin Martin

Stage 3 for Dairy Cows



PLANVIEW OF SITE

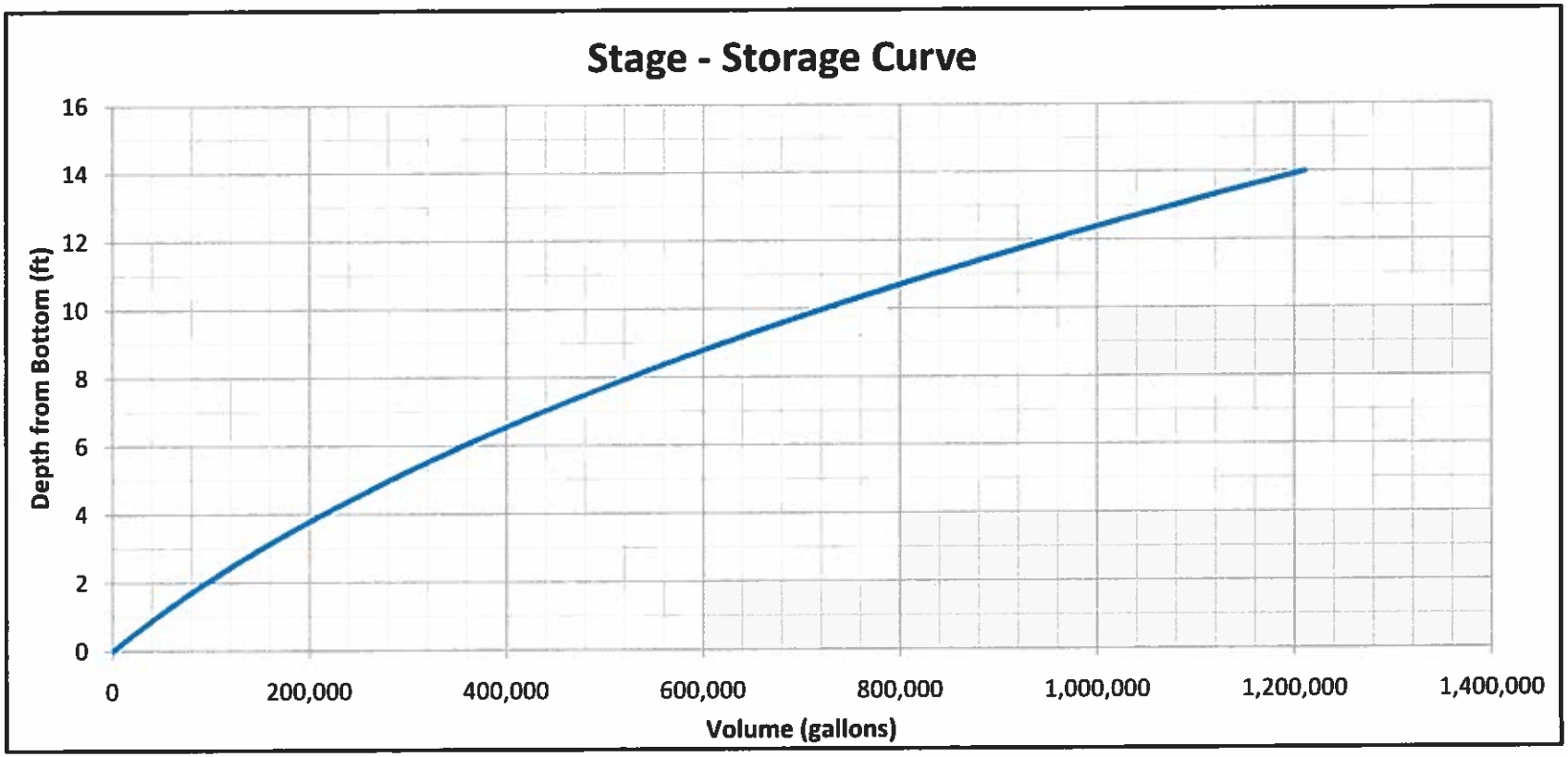


OUTPUT SUMMARY X-SECTION

(Includes runoff from a 0 Square foot paved lot)

Curvin Martin

Stage 3 for Dairy Cows



This chart shows capacity at any depth starting from bottom

Disclaimer: This program assumes constant interior slopes and a flat bottom. No credit is given for sloped bottoms or ramp volumes. Therefore the use of a Stage Storage Curve generated from "As-built" data is recommended, if available from your Engineering Consultant.

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: July 2, 2018

TO: State Conservation Commission

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

SUBJ: Leadership Development Program Update

In late 2017, the State Conservation Commission accepted a proposal from PACD to function as the host of the Leadership Development Program Coordinator, a key initiative that the Leadership Development Committee (Committee) had identified as necessary to further the implementation of the 'Building for Tomorrow' Leadership Development Program. The Coordinator will be employed and housed at PACD. The position is financially supported under the Leadership Development Program budget through a contract with the State Conservation Commission.

PACD, in consultation with the Committee, offered the position to Mr. Matthew Miller (resume` attached) who resides in Harrisburg, Pa. Mr. Miller recently began working with the Committee to facilitate program activities and will introduce himself and provide an update on Leadership Development Program activities at the July 18, 2018 public meeting of the State Conservation Commission.

Attachment

Matthew S. Miller

717.580.1037 | msmiller1037@gmail.com | linkedin.com/in/msmiller1037

Communications/Education/Marketing Professional, specializing in community and member engagement for mission-driven organizations.

Skills:

- event planning and management
- program development for professional continuing education, leadership development, staff training, and corporate sponsorships
- community outreach and member relations
- writing/editing: marketing, publications, public relations, development, training documentation
- public speaking and presentation with a wide variety of audiences
- volunteer recruitment and coordination
- Adobe CS (Premiere, After Effects, Photoshop), Adobe Connect, CRM applications

Professional Experience:

LeadingAge PA | Mechanicsburg, PA

Director, Corporate Partnerships & Sales (2017 - present)

- Generates revenue for a state-wide association of not-for-profit senior services providers by promoting the value of business membership.
- Develops and directs business member and sponsorship programming.
- Manages conference trade show and exhibition events.
- Authors communications and media relevant to business membership.
- Oversees renewal and dues processes.
- Assists in developing annual budget.

Accomplishments:

- Revised sponsorship program model to align with Association Strategic Plan.
- Restructured pricing and improved registration/renewal process for business members and trade show exhibitors, resulting in a 7% revenue increase.

Director, Education (2014 - 2017)

- Developed educational programming for a state-wide association of not-for-profit senior services providers.
- Directed event planning and management for conferences, seminars, and distance-learning programs.
- Managed leadership development program.
- Facilitated member-driven task forces and selection committees.
- Supported public policy, regulatory, and legislative advocacy initiatives through member outreach and media production.
- Provided webinar platform training, support, and coaching to association staff and presenters.

Accomplishments:
- Launched quarterly education calendar, increasing member engagement and generating $40,000 in new programming revenue.
- Overhauled budget and renegotiated contacts for leadership program, correcting a budget gap of 18%

Central Pennsylvania Blood Bank | Harrisburg, PA
Donor Resource Consultant (2006 - 2014)
- Coordinated donor recruitment for a community-based regional blood services provider.
- Managed community, business, and institutional outreach activities, event planning and logistics.
- Organized marketing communications and promotional coordination across all levels of a diverse client base.
- Produced digital media content to support recruitment efforts.

Accomplishments:
- Managed new territory expansion, increasing collections 60% over 5 years.
- Redesigned recruitment collateral and media for first-time donors.

Cumulus Media | Harrisburg, PA
Marketing Consultant (2004 - 2006)
- Designed and executed broadcast advertising campaigns for local and national clients.
- Prospected and developed new business.
- Authored ad copy and produced advertising media.
- Planned and managed promotional events.

Roman Catholic Diocese of Harrisburg | Harrisburg, PA
Communications Assistant (2000 - 2003)
- Assisted in creative development, production, and engineering for broadcast and web-based media.
- Coordinated presentation technology support and training for conference facilities.

Quaker State Broadcasting | Mechanicsburg, PA
Assistant Production Director (1998 - 2000)
- Managed commercial, promotional, and imaging production and copy writing for two FM radio stations.
- Provided promotional and engineering support.
- Programmed and hosted weekly specialty programming.

Education:
B.A., Communications | Elizabethtown College | Elizabethtown, PA
Anthropology Major | Grinnell College | Grinnell, IA

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: July 2, 2018

TO: Members
State Conservation Commission

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

RE: Fiscal Year 2018-19 Program Budget Proposal
'Building for Tomorrow' Leadership Development Program

Action Requested

Approve the 'Building for Tomorrow' Leadership Development Program Fiscal Year 2018-2019 (FY2018-19) annual budget of $175,000. An approval of this proposed budget would support several training initiatives for conservation district staff and directors.

Background

The 'Building for Tomorrow' Leadership Development Program is collaborative effort of Pennsylvania's Conservation Partnership, including the State Conservation Commission, Pa. Department of Environmental Protection, Pa. Department of Agriculture, USDA Natural Resource Conservation Service, PSU Cooperative Extension, PACD and conservation districts. This professional development program for conservation district directors and staff was created by the Partnership over 30 years ago with a collective goal to create a training program that provides the necessary information for conservation district directors and staff to effectively develop and manage conservation district activities and programs.

Program activities are developed and overseen by the Leadership Development Committee (Committee) that consists of representatives from the Partnership agencies and organizations. Past products of the Leadership Development Program include:

1. *'Handbook for Pennsylvania's Conservation District Directors'* and *interactive website* that walks new directors through the history, programs and functions of Pennsylvania's Conservation Districts and provides online training opportunities for the basic conservation district operations.
2. *Grants for strategic planning* activities to cover expenses related to the development and distribution of a complete district strategic business plan, and
3. *Training for district managers and staff* on subject such as employment management issues; fiscal management; effective communications with district boards, staff and the public; and negotiating conflict. And more recently, a multi-day orientation training for new district managers.

The Committee recognizes the scope and complexity of programming and funding at conservation districts has dramatically increased exponentially over the decades. Thus, the need for updated leadership skill sets for directors and staff is essential to manage the rapid changes in districts for successful districts programs and development and has developed a list of programs and associated resource needs (budget) for program implementation in Fiscal Year 2018-19.

Recommendation

The program initiatives and budget noted on *Attachment 1 - 'Building for Tomorrow' Leadership Development Program "Proposed 2018-2019 Budget"* include several customary annual program priorities and new priority initiatives the Committee determined important in the continued effort to enhance and improved conservation district capacity. These initiatives include:

1. *Full-Time Leadership Development Coordinator* - To facilitate program initiatives, the Committee recognizes the necessity to devote resources for a Leadership Development Program Coordinator to assist the Committee. The position is currently hosted by PACD through a contract with the State Conservation Commission
2. *District Management Summit* and *Staff Training Conference* – These annual meetings allow district management staff to receive leadership training, exchange expertise and experiences on managing district activities and examine common issues and provides technical staff opportunities to address their inter-personal and leadership knowledge and skills associated with working and relating to the community they serve.
3. *Strategic Planning Grants*: This project reimburses districts for up to $1,000 in approved expenses associated with completing a strategic plan. A Committee goal is to support 5 conservation districts in their efforts to develop strategic plans in 2018-19.
4. *Director Training and Support* - This project will continue the development of several initiatives that include an update to the Director's Handbook and a one-day, statewide Train-the-Trainer session for DEP Field Representatives and District Managers to focus on director orientation materials and methods.
5. *Management Training Initiative* - This project will continue to implement a manager orientation program ('Manager Boot Camp') and the development of a Manager's Handbook.
6. *Regional Trainings for District Chairmen and Treasurers*- This project would continue to conduct regional statewide trainings to address a Board Chairman's responsibilities in running a public board meeting and the responsibilities of a Treasurer or accounts supervisor in the fiscal management and oversight of the conservation district's finances.
7. *District Transition support* - As a district transitions from a "county employment" affiliation to "independent employment" status they may require assistance in developing a transition plan. The intent of the project it to provide support to a "transitioning" conservation district engaging other conservation district staff, directors and other experts who have already been through a transition or that have expertise in areas that are important for the transition process.

The "proposed" FY2018-19 budget totals $175,000 including costs for program activities, costs for support of the Committee and sub-committees and costs for a Program Coordinator.

Thank you for your consideration of this budget proposal. The consideration of these recommendations will allow the Committee to move forward in implementation of these important initiatives under the Leadership Development Program in Pennsylvania.

Attachment

ATTACHMENT 1

'PROPOSED' 2018-2019 BUDGET

PROPOSED PROJECT	Proposed Budget
Full-Time Leadership Development Coordinator: It is critical that the development, organization and implementation of quality, meaningful leadership and development programs and materials be overseen by a full-time coordinator. Based centrally the coordinator can help assure the efficient coordination of resources available from conservation partners as well as non-traditional partners are secured and made available. Project budget includes salary, benefits, office & overhead costs, travel and computer equipment. Leadership Development Program Coordinator activities include: a. Facilitate meetings and planning sessions for the Committee; b. Assist the Committee in the review and evaluation of current training needs of conservation district directors and staff, including the review and analysis of recent director and staff training needs surveys; c. Coordinate the development and implementation of priority training initiatives established by the Committee; d. Review current Leadership Development Program resources and develop a plan to reintroduce and distribute existing resources where appropriate.	**$97,000** .
Committee Initiatives: Committee meeting expenses including materials and expenditures supporting activities between the Committee, its subcommittees and Leadership Development Program Coordinator and the maintenance of the Pa Leadership Development Program website.	**$6,500**
The 'District Transition Support': As a district transitions to independent employment status they may require assistance in developing a transition plan. The intent of the project it to provide support to a "transitioning" conservation district from other conservation district staff, directors and other experts who have already been through a transition or that have expertise in areas that are important for the transition process. This assistance will help to ensure the "transitioning" conservation district continues to be a well-functioning district throughout the transition process from a "county employment" affiliation to "independent employment" status.	**$2,500**
2018 District Management Summit: This annual meeting allows district management staff to receive leadership training, exchange expertise and experiences on managing district activities and examine common issues, without other commitments or distractions within an environment of shared trust and confidentiality. The summit is tentatively scheduled for early September 2018.	**$8,000**
Staff Training Conference: District Staff are taking on increasingly sophisticated and visible roles and program responsibilities within their respective communities. While there are many "program-related" technical trainings, there are few opportunities on those agendas to address the inter-personal and leadership knowledge and skills associated with working and relating to the constituents they serve. This project involves the planning, development and facilitating state conservation district staff conference to address those needs. A conference is tentatively scheduled for February/March 2019.	**$6,000**

PROPOSED PROJECT	Proposed Budget
Strategic Planning Grants: A renewed interest in strategic planning has excited inspired over 65% of conservation districts to have met with partners, municipalities and community representatives to complete strategic business plans. This project reimburses districts for up to $1,000 in approved expenses associated with completing a strategic plan. A Committee goal is to support 5 conservation districts in their efforts to develop strategic plans in 2018-19	**$5,000**
Director Training and Support: Delivery of a director training and orientation program has been demonstrated to be most effective if delivered both at the local level and within 6 months of being appointed. This project proposes the development of several initiatives to be overseen by a representative work group to help supplement local training programs and provide a team of mentors available to new board members. Initiatives may include: 1. An update to the current Director's handbook to reflect changes in laws, regulations and policies related to District Director job duties. It is anticipated that LD Program Coordinator will have primary responsibility for work. 2. 1-day Statewide Train-the Trainer for DEP Field Reps and District Managers (both of whom were identified by directors as the primary source of orientation) to share orientation materials, successful approaches and identify needed tools. **3.** Continuation of the Director Orientation workgroup, consisting of representatives of local districts and LD Partners to continue the following tasks: a. Review and recommend changes to the Director Handbook to reflect the needs of the "modern" conservation district director b. Update the director job description and individual learning plan and develop a recommended "learning syllabus" for new directors c. Develop a "County-level" delivery system of orientation and Director Handbook knowledge **d.** Investigate the development of a formal inter-district director mentorship program. 4. Review and update on-line 'Director Training Modules and other content delivery mechanisms.	**$10,000**
Management Training Initiative: District Management has grown in sophistication and complexity, often including managers, middle managers and team leaders. With increasing District responsibilities, budgets and program scope, knowledgeable, capable management continues to be a vital component of District capacity. This project will include: • Continued development of an accreditation/training plan, evaluate training materials and options available through several venues and sources for the development of professional managers • Continued development and facilitation of a Manager Boot Camp training program, tentatively scheduled for June 2019. • Develop a Manager's Handbook • Continue support of a Manager Training / Accreditation Workgroup to develop and oversee above projects	**$20,000**
Regional Trainings for District Chairmen and Treasurers The delivery of specific trainings at the regional level has been a well received and effective method. With the increase in complexity, sophistication and scope of responsibilities and programming at the District level it is vital that District Directors and their corresponding staff receive current and valuable information. This project proposes that 4 – 6 regional trainings be held around the State to address the chair responsibilities to running a public board meeting and concurrently holding a treasurer and/or accounts supervisor responsibilities.	**$20,000**
TOTAL	**$175,000**

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: July 2, 2018

TO: Members
State Conservation Commission

THROUGH Karl G. Brown
Executive Secretary

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

RE: Leadership Development Committee
Agency and Organization Representative Appointments

Action Requested

Approve appointments for 'conservation district staff representatives and recognize representative appointments for vacancies from the Penn State Cooperative Extension and Pa Department of Environmental Protection (Conservation District Field Representative) for the 'Building for Tomorrow' Leadership Development Program Committee.

Background

Since 1986, the "Building for Tomorrow" Leadership Development Program has been working to develop tools and training products aimed at enhancing the leadership and professional development of Pennsylvania's conservation districts.

Sponsored by the Pennsylvania Conservation Partnership, the Leadership Development Committee establishes the goals, objectives and priorities for the 'Building for Tomorrow' Leadership Development Program; evaluates the leadership and professional development training needs of conservation districts; looks for funding and training opportunities; develops products and tools for use by conservation district directors and staff; and offers state-wide, regional and local training and consultative assistance.

The Committee is composed of eleven (11) members who are representatives from the conservation partnership organizations/agencies including conservation district directors; conservation district managers; the State Conservation Commission; the Pennsylvania Association of Conservation District (PACD); the Department of Environmental Protection (DEP Conservation District Field Representatives); the Pennsylvania Department of Agriculture; the USDA Natural Resources Conservation Service; and Penn State Cooperative Extension.

Current representatives include:

Ron Rohall, - Westmoreland County Conservation District, Director
Robert Robinson, - Wyoming County Conservation District, Director
Michelle Long, - Pike County Conservation District, Executive Director
Brenda Shambaugh, - PACD, Inc.
Nancy DiFiore, - USDA Natural Resource Conservation Service

Karl G. Brown, - State Conservation Commission
Johan E. Berger, - PDA/State Conservation Commission
Karen Books, - DEP Office of Resource Management and Planning
C. Fred Fiscus - DEP Office of Resource Management and Planning
Matthew Miller, PA Leadership Development Program Coordinator

The Committee currently has three (3) vacancies: a conservation district staff representative; a representative from Penn State Cooperative Extension; and a DEP Conservation District Field Representative. The Committee also recommends that in addition to the current agency or organization vacancies that one (1) additional conservation district director representative and one (1) additional conservation district staff representative be appointed to the committee. Program staff, on behalf of the Leadership Development Committee, is working with partner agencies in canvassing candidates to fill the current vacancies and recommended additional representative appointments.

Program staff anticipates providing recommendations to fill these vacancies to the Commission for its consideration and concurrence at the July 18, 2018 public meeting.

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

Date: July 3, 2018

To: Members

From: Karl G. Brown
Executive Secretary

RE: Summary of Allocation Concepts
FY2018-19 Conservation District Fund Allocation Program

Action Requested:

Adopt an allocation concept for the FY2018-19 Conservation District Fund Allocation Program (CDFAP).

Background:

The State Conservation Commission is scheduled to consider FY2018-19 allocations for the Conservation District Fund Allocation Program (CDFAP) at its July 18, 2018 meeting. Information for this action is based on appropriation figures provided in the Governor's enacted FY2018-19 Pennsylvania state budget.

Funds provided for distribution under this action are traditionally provided through line item appropriations to DEP and PDA, and through an earmarked transfer from the Unconventional Gas Well Fund (UGWF) to the Conservation District Fund (CDF). For FY2018-19, the enacted state budget includes the following specific line item amounts:

FY 2018-19 'Enacted' State Budget (Concept 1 below):

DEP CDF Line Item	$2,506,000
PDA CDF Line Item	$869,000
UGWF CDF Transfer	$3,875,000
Total	$7,250,000

Please note that a Consumer Price Index (CPI) adjustment, afforded under Act 13, was made to the UGWF transfer for FY2018-19 in an amount of $53,500, an approximate increase of 1.4% for the 2017-18 collection time frame.

In addition to the funds listed above, the UGWF will distribute an additional $3.875 million directly to conservation districts through the Pennsylvania Public Utility

Commission (PUC) in the form of "block grants". The PUC block grant allocation will be $58,712.12 per conservation district for FY2018-19. *Please note, the Commission does not have decision-making authority over PUC UGWF revenue provided to conservation districts.*

As has been provided in previous years, program staff developed several options for the Commission to consider at its July meeting. Three (3) different allocation concepts were developed based on information provided in the enacted state budget and provided with this memo. *A copy of the allocation concept approved by the Commission for FY2017-18 (Attachment 5) is also provided for reference.*

The following is a summary of the proposed concepts:

Concept 1 – Distribution of 'line item' appropriations under the enacted FY2018-19 state budget.

- Appropriations maintained at FY2017-18 levels ($3.375 Million)
- Supports 'department' program priorities for positions (Manager, E&S and Agricultural technicians).
- Portions of UGWF revenue ($62,389) deferred to maintain ACT allocations at FY2017 levels.
- Statewide special project funds taken off the top of UGWF revenue at 2017 levels.
- 50/50 split of remaining UGWF revenue
  - $15,000 base for counties where 5-year average of DEP regulated spudded well is greater than 'zero (0)'.
  - 5-Year average (2013-2017) of DEP regulated spudded wells

Concept 2 - Distribution of 'line item' appropriations under the enacted FY2018-19 state budget with increased funding levels to E&S and ACT technicians and 'well-count' allocations based on a **5-year** average.

- Appropriations maintained at FY2017-18 levels ($3.375 Million)
- Supports 'department' program priorities for positions (Manager, E&S and Agricultural technicians).
- Portion of UGWF revenue ($399,525) deferred to increase funding for E&S and Agricultural technicians at an equal level of $16,225 per position.
- Statewide special project funds taken off the top of UGWF at 2017 levels.
- 50/50 split of remaining UGWF revenue
  - $15,000 base for counties where 5-year average of DEP regulated spudded well is greater than 'zero (O)'.
  - **5-Year average (2013-2017)** of DEP regulated spudded wells

Concept 3 - Distribution of 'line item' appropriations under the enacted FY2018-19 state budget with increased funding levels to E&S and ACT technicians and 'well-count' allocations based on a **15-year** average.

- Appropriation maintained at FY2017-18 levels ($3.375 Million)
- Supports 'department' program priorities for positions (Manager, E&S and Agricultural technicians).
- Portion of UGWF revenue ($399,525) deferred to maintain increase funding for E&S and Agricultural technicians at an equal level of $16,225 per position.
- Statewide special project funds taken off the top of UGWF at 2017 levels.
- 50/50 split of remaining UGWF revenue
  - $15,000 base for counties where 15-year average of DEP regulated spudded well is greater than 'zero (O)'.
  - **15-Year average (2003-2017)** of DEP regulated spudded wells

If Commission members have any questions, or need any additional information, please feel free to talk with either Johan Berger at 718-772-4189, Karen Books at 718-772-5649 or Fred Fiscus at 718- 772-5660 as they were actively involved in developing these scenarios and this background information.

Attachments (5)

1

County	A1 Manager ($22,350)	A2 1st E&S Tech. ($15,650)	A3 ACT Tech. ($16,219)	B CDFAP UGWF Monies ($26,611)	Average Unconventional Well Count per County for 2013 - 2017 as collected by DEP	C UGWF Collection Year 7 $3.875 M - CDFAP UGWF Monies - SSP = $1,756,306 ($15,000 base + $ 1435.89 /well)	E CDFAP Line Items + SCC UGWF Funds = Total CDFAP/UGWF Funds distributed by SCC	F PUC UGWF Block Grant to CCDs Year 7 (2017 funds) $3,875,000 ($58,712.12)	G PUC UGWF Block Grant + CDFAP Line Items + SCC UGWF Funds = Total Year 7 CDFAP & UGWF Funds (2017 UGWF funds)
Adams	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Allegheny	$ 22,350	$ 15,650	$ 16,219	$ 26,611	21.2	$ 45,441	$ 126,271	$ 58,712	$ 184,983
Armstrong	$ 22,350	$ 15,650	$ 16,219	$ 26,611	19.6	$ 43,143	$ 123,973	$ 58,712	$ 182,685
Beaver	$ 22,350	$ 15,650	$ 16,219	$ 26,611	11.8	$ 31,944	$ 112,773	$ 58,712	$ 171,485
Bedford	$ 22,350	$ 15,650	$ 16,219	$ 26,611		$ -	$ 80,830	$ 58,712	$ 139,542
Berks	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Blair	$ 22,350	$ 15,650	$ 14,520	$ 26,611		$ -	$ 79,131	$ 58,712	$ 137,843
Bradford	$ 22,350	$ 15,650	$ 16,219	$ 26,611	64.8	$ 108,046	$ 188,875	$ 58,712	$ 247,587
Bucks	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Butler	$ 22,350	$ 15,650	$ 16,219	$ 26,611	77.8	$ 126,712	$ 207,542	$ 58,712	$ 266,254
Cambria	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Cameron	$ 22,350	$ 14,455	$ 16,219	$ 26,611	9.4	$ 28,497	$ 108,132	$ 58,712	$ 166,844
Carbon	$ 22,350	$ 15,650		$ 26,611			$ 64,611	$ 58,712	$ 123,323
Centre	$ 22,350	$ 15,650	$ 16,219	$ 26,611	0.4	$ 15,574	$ 96,404	$ 58,712	$ 155,116
Chester	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Clarion	$ 22,350	$ 15,650		$ 26,611	1.6	$ 17,297	$ 81,908	$ 58,712	$ 140,620
Clearfield	$ 22,350	$ 15,650	$ 8,969	$ 26,611	0.6	$ 15,862	$ 89,441	$ 58,712	$ 148,153
Clinton	$ 22,350	$ 15,650	$ 16,219	$ 26,611	1.8	$ 17,585	$ 98,414	$ 58,712	$ 157,126
Columbia	$ 22,350	$ 15,650	$ 16,219	$ 26,611		$ -	$ 80,830	$ 58,712	$ 139,542
Crawford	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Cumberland	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Dauphin	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Delaware	$ 22,350	$ 15,650	$ 3,000	$ 26,611			$ 67,611	$ 58,712	$ 126,323
Elk	$ 22,350	$ 15,650	$ 16,219	$ 26,611	20.0	$ 43,718	$ 124,547	$ 58,712	$ 183,260
Erie	$ 22,350	$ 15,650	$ 16,219	$ 26,611		$ -	$ 80,830	$ 58,712	$ 139,542
Fayette	$ 22,350	$ 15,650	$ 16,219	$ 26,611	13.0	$ 33,667	$ 114,496	$ 58,712	$ 173,208
Forest	$ 22,350	$ 14,830		$ 26,611	6.0	$ 23,615	$ 87,406	$ 58,712	$ 146,118
Franklin	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Fulton	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Greene	$ 22,350	$ 15,650	$ 16,219	$ 26,611	142.6	$ 219,758	$ 300,588	$ 58,712	$ 359,300
Huntingdon	$ 22,350	$ 15,650		$ 26,611		$ -	$ 64,611	$ 58,712	$ 123,323
Indiana	$ 22,350	$ 15,650	$ 16,219	$ 26,611	1.4	$ 17,010	$ 97,840	$ 58,712	$ 156,552
Jefferson	$ 22,350	$ 15,650	$ 16,219	$ 26,611	2.4	$ 18,446	$ 99,276	$ 58,712	$ 157,988
Juniata	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Lackawanna	$ 22,350	$ 15,650	$ 3,500	$ 26,611			$ 68,111	$ 58,712	$ 126,823
Lancaster	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Lawrence	$ 22,350	$ 15,650	$ 16,219	$ 26,611	9.0	$ 27,923	$ 108,753	$ 58,712	$ 167,465
Lebanon	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Lehigh	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Luzerne	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Lycoming	$ 22,350	$ 15,650	$ 16,219	$ 26,611	54.8	$ 93,687	$ 174,516	$ 58,712	$ 233,229
McKean	$ 22,350	$ 15,650	$ 16,219	$ 26,611	14.8	$ 36,251	$ 117,081	$ 58,712	$ 175,793
Mercer	$ 22,350	$ 15,650	$ 16,219	$ 26,611	10.4	$ 29,933	$ 110,763	$ 58,712	$ 169,475
Mifflin	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Monroe	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Montgomery	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Montour	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Northampton	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Northumberland	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Perry	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Philadelphia							$ -		$ -
Pike	$ 22,350	$ 15,650		$ 26,611			$ 64,611	$ 58,712	$ 123,323
Potter	$ 22,350	$ 15,650	$ 16,219	$ 26,611	7.4	$ 25,626	$ 106,455	$ 58,712	$ 165,167
Schuylkill	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Snyder	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Somerset	$ 22,350	$ 15,650	$ 16,219	$ 26,611	0.2	$ 15,287	$ 96,117	$ 58,712	$ 154,829
Sullivan	$ 22,350	$ 15,650	$ 9,355	$ 26,611	14.4	$ 35,677	$ 109,643	$ 58,712	$ 168,355
Susquehanna	$ 22,350	$ 15,650	$ 16,219	$ 26,611	153.8	$ 235,840	$ 316,670	$ 58,712	$ 375,382
Tioga	$ 22,350	$ 15,650	$ 16,219	$ 26,611	30.4	$ 58,651	$ 139,481	$ 58,712	$ 198,193
Union	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Venango	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Warren	$ 22,350	$ 15,650	$ 16,219	$ 26,611	0.2	$ 15,287	$ 96,117	$ 58,712	$ 154,829
Washington	$ 22,350	$ 15,650	$ 16,219	$ 26,611	189.6	$ 287,245	$ 368,074	$ 58,712	$ 426,787
Wayne	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Westmoreland	$ 22,350	$ 15,650	$ 16,219	$ 26,611	9.8	$ 29,072	$ 109,901	$ 58,712	$ 168,614
Wyoming	$ 22,350	$ 15,650		$ 26,611	31.0	$ 59,513	$ 124,123	$ 58,712	$ 182,835
York	$ 22,350	$ 15,650	$ 16,219	$ 26,611			$ 80,830	$ 58,712	$ 139,542
Totals	$ 1,475,100	$ 1,030,885	$ 931,389	$ 1,756,306	920.2	$ 1,756,306	$ 6,949,985	$ 3,875,000	$ 10,824,985

$2,505,985	$931,389	
$3,437,374		

Allocation of CDFAP Line Items and $1,756,305 (50%) SCC UGWF Monies - Statewide Special Projects (SSP allocation item 'D')

Additional CDFAP Allocation of Remaining $1,756,305 (50%) of SCC UGWF Monies

D **Statewide Special Projects (SSP)**

ACT Boot Camp	$ 25,000
Leadership Development	$ 175,000
Ombudsman	$ 100,000
	$ 300,000

Grand Total of All Allocations **$ 11,124,985**

NOTES

CHART 1 illustrates a distribution of CDFAP FY2018-19 'Line Item' appropriations under the Governor's 'enacted' FY2018-19 state budget AND a 50/50 split of ACT 13 UGW Funds (UGWF) distributed by the State Conservation Commission under the CDFAP Statement of Policy.
Applies a $15,000 base grant to each county where the 5-year average of documented spudded gas wells is greater than 'zero (0)'. And, a per well credit is provided based on a 5 year average of spudded wells, in their respective county, based on well count information provided by DEP.

CDFAP/UGW Available Funding (FY2018-19)

CDFAP/UGWF	$ 3,875,000	*
DEP 'Line Item' Approp.	$ 2,506,000	
PDA 'Line Item' Approp.	$ 869,000	
Subtotal	**$ 7,250,000**	
PUC Block Grant	$ 3,875,000	**
Grand Total	**$ 11,125,000**	

DISTRIBUTION INFORMATION 'DENOTED' BY COLUMN/ITEM ('A' thru 'G')

A1, A2 & A3 = DEP/PDA 'Line Items' ($3.375M)

1) Supports 'department' program priorities (Manager, E&S Tech, ACT)
2) Relative to FY2017-18 distribution
   [1] DM funding - NO CHANGE
   [2] 1st Tech - NO CHANGE
   [3] ACT- NO CHANGE
   * Special Note: A portion of Act 13 revenue diverted to column A3 to maintain ACT allocations at FY2017 funding levels of $16,219.

B = 'CDFAP/UGWF Monies' - 50% of SCC UGWF ($1.7563M) - equal amount distributed to ALL districts - INCREASED

C = 'UGWF Collection Year 7' - 50% of SCC UGWF ($1.7377M) - SLIGHT DECREASE
1) $15,000 base grant ONLY to counties where the 5-year average of documented spudded gas wells is greater than 'zero (0)'.
2) Funding distributed ONLY to counties where the 5-year average of documented spudded gas wells is greater than 'zero (0)', based on a 5 year average of DEP documented unconventional

D = Funding needs for 'priority' statewide special projects (~ $300,000) - NO CHANGE
1) Allocated from UGW funds prior to allocation to CDFAP priorities and well count districts.

E = Total CDFAP 'Line items' and 'UGWF' distributed by the State Conservation Commission to conservation district.

F = UGW 'Block Grant' - $3.875M/66 districts - equal amounts distributed by PUC to ALL districts. **

G = Total of all funds distributed to conservation district - PUC 'Block Grant'; CDFAP 'Line Items' & SCC UGWF.

SPECIAL NOTES:

* UGW funding includes an increase of $53,500 due to CPI adjustment distributed across items B & C.

** The SCC does not have decision-making authority over PUC Block Grant revenue distribution.

2

County	A1 Manager ($22,350)	A2 1st E&S Tech. ($16,225)	A3 ACT Tech. ($16,225)	B CDFAP UGWF Monies ($26,329)	Average Unconventional Well Count per County for 2013 - 2017 as collected by DEP	C UGWF Collection Year 7 $3.875 M - CDFAP UGWF Monies - SSP = $1,737,738 ($15,000 base + $ 1415.71 /well)	E CDFAP Line Items + SCC UGWF Funds = Total CDFAP/UGWF Funds distributed by SCC	F PUC UGWF Block Grant to CCDs Year 7 (2017 funds) $3,875,000 ($58,712.12)	G PUC UGWF Block Grant + CDFAP Line Items + SCC UGWF Funds = Total Year 7 CDFAP & UGWF Funds (2017 UGWF funds)
Adams	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Allegheny	$ 22,350	$ 16,225	$ 16,225	$ 26,329	21.2	$ 45,013	$ 126,142	$ 58,712	$ 184,855
Armstrong	$ 22,350	$ 16,225	$ 16,225	$ 26,329	19.6	$ 42,748	$ 123,877	$ 58,712	$ 182,589
Beaver	$ 22,350	$ 16,225	$ 16,225	$ 26,329	11.8	$ 31,705	$ 112,835	$ 58,712	$ 171,547
Bedford	$ 22,350	$ 16,225	$ 16,225	$ 26,329		$ -	$ 81,129	$ 58,712	$ 139,841
Berks	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Blair	$ 22,350	$ 16,225	$ 14,525	$ 26,329		$ -	$ 79,429	$ 58,712	$ 138,141
Bradford	$ 22,350	$ 16,225	$ 16,225	$ 26,329	64.8	$ 106,738	$ 187,867	$ 58,712	$ 246,580
Bucks	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Butler	$ 22,350	$ 16,225	$ 16,225	$ 26,329	77.8	$ 125,142	$ 206,272	$ 58,712	$ 264,984
Cambria	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Cameron	$ 22,350	$ 14,455	$ 16,225	$ 26,329	9.4	$ 28,308	$ 107,667	$ 58,712	$ 166,379
Carbon	$ 22,350	$ 16,225		$ 26,329			$ 64,904	$ 58,712	$ 123,616
Centre	$ 22,350	$ 16,225	$ 16,225	$ 26,329	0.4	$ 15,566	$ 96,696	$ 58,712	$ 155,408
Chester	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Clarion	$ 22,350	$ 16,225		$ 26,329	1.6	$ 17,265	$ 82,169	$ 58,712	$ 140,882
Clearfield	$ 22,350	$ 16,225	$ 8,975	$ 26,329	0.6	$ 15,849	$ 89,729	$ 58,712	$ 148,441
Clinton	$ 22,350	$ 16,225	$ 16,225	$ 26,329	1.8	$ 17,548	$ 98,678	$ 58,712	$ 157,390
Columbia	$ 22,350	$ 16,225	$ 16,225	$ 26,329		$ -	$ 81,129	$ 58,712	$ 139,841
Crawford	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Cumberland	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Dauphin	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Delaware	$ 22,350	$ 16,225	$ 3,000	$ 26,329			$ 67,904	$ 58,712	$ 126,616
Elk	$ 22,350	$ 16,225	$ 16,225	$ 26,329	20.0	$ 43,314	$ 124,444	$ 58,712	$ 183,156
Erie	$ 22,350	$ 16,225	$ 16,225	$ 26,329		$ -	$ 81,129	$ 58,712	$ 139,841
Fayette	$ 22,350	$ 16,225	$ 16,225	$ 26,329	13.0	$ 33,404	$ 114,534	$ 58,712	$ 173,246
Forest	$ 22,350	$ 14,830		$ 26,329	6.0	$ 23,494	$ 87,004	$ 58,712	$ 145,716
Franklin	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Fulton	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Greene	$ 22,350	$ 16,225	$ 16,225	$ 26,329	142.6	$ 216,880	$ 298,010	$ 58,712	$ 356,722
Huntingdon	$ 22,350	$ 16,225		$ 26,329		$ -	$ 64,904	$ 58,712	$ 123,616
Indiana	$ 22,350	$ 16,225	$ 16,225	$ 26,329	1.4	$ 16,982	$ 98,111	$ 58,712	$ 156,823
Jefferson	$ 22,350	$ 16,225	$ 16,225	$ 26,329	2.4	$ 18,398	$ 99,527	$ 58,712	$ 158,239
Juniata	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Lackawanna	$ 22,350	$ 16,225	$ 3,505	$ 26,329			$ 68,409	$ 58,712	$ 127,121
Lancaster	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Lawrence	$ 22,350	$ 16,225	$ 16,225	$ 26,329	9.0	$ 27,741	$ 108,871	$ 58,712	$ 167,583
Lebanon	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Lehigh	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Luzerne	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Lycoming	$ 22,350	$ 16,225	$ 16,225	$ 26,329	54.8	$ 92,581	$ 173,710	$ 58,712	$ 232,422
McKean	$ 22,350	$ 16,225	$ 16,225	$ 26,329	14.8	$ 35,953	$ 117,082	$ 58,712	$ 175,794
Mercer	$ 22,350	$ 16,225	$ 16,225	$ 26,329	10.4	$ 29,723	$ 110,853	$ 58,712	$ 169,565
Mifflin	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Monroe	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Montgomery	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Montour	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Northampton	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Northumberland	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Perry	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Philadelphia							$ -		$ -
Pike	$ 22,350	$ 16,225		$ 26,329			$ 64,904	$ 58,712	$ 123,616
Potter	$ 22,350	$ 16,225	$ 16,225	$ 26,329	7.4	$ 25,476	$ 106,606	$ 58,712	$ 165,318
Schuylkill	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Snyder	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Somerset	$ 22,350	$ 16,225	$ 16,225	$ 26,329	0.2	$ 15,283	$ 96,412	$ 58,712	$ 155,125
Sullivan	$ 22,350	$ 16,225	$ 9,360	$ 26,329	14.4	$ 35,386	$ 109,651	$ 58,712	$ 168,363
Susquehanna	$ 22,350	$ 16,225	$ 16,225	$ 26,329	153.8	$ 232,736	$ 313,866	$ 58,712	$ 372,578
Tioga	$ 22,350	$ 16,225	$ 16,225	$ 26,329	30.4	$ 58,038	$ 139,167	$ 58,712	$ 197,879
Union	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Venango	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Warren	$ 22,350	$ 16,225	$ 16,225	$ 26,329	0.2	$ 15,283	$ 96,412	$ 58,712	$ 155,125
Washington	$ 22,350	$ 16,225	$ 16,225	$ 26,329	189.6	$ 283,419	$ 364,548	$ 58,712	$ 423,260
Wayne	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Westmoreland	$ 22,350	$ 16,225	$ 16,225	$ 26,329	9.8	$ 28,874	$ 110,003	$ 58,712	$ 168,715
Wyoming	$ 22,350	$ 16,225		$ 26,329	31.0	$ 58,887	$ 123,791	$ 58,712	$ 182,504
York	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Totals	$ 1,475,100	$ 1,067,685	$ 931,740	$ 1,737,738	920.2	$ 1,737,737	$ 6,950,000	$ 3,875,000	$ 10,825,000

Allocation of CDFAP Line Items and $1,737,737 (50%) SCC UGWF Monies - Statewide Special Projects (SSP allocation item 'D')

$2,542,785	$931,740	
$3,474,525		

Additional CDFAP Allocation of Remaining $1,737,737 (50%) of SCC UGWF Monies

D **Statewide Special Projects (SSP)**

ACT Boot Camp	$ 25,000
Leadership Development	$ 175,000
Ombudsman	$ 100,000
	$ 300,000

Grand Total of All Allocations **$ 11,125,000**

NOTES

CHART 1 illustrates a distribution of CDFAP FY2018-19 'Line Item' appropriations under the Governor's 'enacted' FY2018-19 state budget AND a 50/50 split of ACT 13 UGW Funds (UGWF) distributed by the State Conservation Commission under the CDFAP Statement of Policy.
Applies a $15,000 base grant to each county where the 5-year average of documented spudded gas wells is greater than 'zero (0)'. And, a per well credit is provided based on a 5 year average of spudded wells, in their respective county, based on well count information provided by DEP.

CDFAP/UGW Available Funding (FY2018-19)

CDFAP/UGWF	$ 3,875,000	*
DEP 'Line Item' Approp.	$ 2,506,000	
PDA 'Line Item' Approp.	$ 869,000	
Subtotal	**$ 7,250,000**	
PUC Block Grant	$ 3,875,000	**
Grand Total	**$ 11,125,000**	

DISTRIBUTION INFORMATION 'DENOTED' BY COLUMN/ITEM ('A' thru 'G')

A1, A2 & A3 = DEP/PDA 'Line Items' ($3.375M)

1) Supports 'department' program priorities (Manager, E&S Tech, ACT)
2) Relative to FY2017-18 distribution
   - [1] DM funding - NO CHANGE
   - [2] 1st Tech - INCREASE
   - [3] ACT-INCREASE

* Special Note: A portion of Act 13 revenue diverted to column A2 & A3 to equalize technician funding allocations for 1st E&S and ACT Technicians to $16,225.

B = 'CDFAP/UGWF Monies' - 50% of SCC UGWF ($1.7377M) - equal amount distributed to ALL districts - INCREASED

C = 'UGWF Year 7' - 50% of SCC UGWF ($1.7377M) - SLIGHT DECREASE
1) $15,000 base grant ONLY to counties where the 5-year average of documented spudded gas wells is greater than 'zero (0)'.
2) Funding distributed ONLY to counties where the 5-year average of documented spudded gas wells is greater than 'zero (0)', based on a 5 year average of DEP documented

D = Funding needs for 'priority' statewide special projects (~ $300,000) - NO CHANGE
1) Allocated from UGW funds prior to allocation to CDFAP priorities and well count districts.

E = Total CDFAP 'Line items' and 'UGWF' distributed by the State Conservation Commission to conservation district.

F = UGW 'Block Grant' - $3.875M/66 districts - equal amounts distributed by PUC to ALL districts. **

G = Total of all funds distributed to conservation district - PUC 'Block Grant'; CDFAP 'Line Items' & SCC UGWF.

SPECIAL NOTES:

* UGW funding includes an increase of $53,500 due to CPI adjustment distributed across items B & C.

** The SCC does not have decision-making authority over PUC Block Grant revenue distribution.

PROPOSED ALLOCATION CONCEPT FY2018-19

3

FY2018-19 GOVERNOR PROPOSED Line Item + UGW (50/50) $15,000 base 15 yr. Avg. Rev: 6/29/18

	Allocation of CDFAP Line Items and $1,737,737 (50%) SCC UGWF Monies - Statewide Special Projects (SSP allocation item 'D')				Additional CDFAP Allocation of Remaining $1,737,737 (50%) of SCC UGWF Monies		E	F	G
County	A1 Manager ($22,350)	A2 1st E&S Tech. ($16,225)	A3 ACT Tech. ($16,225)	B CDFAP UGWF Monies ($26,329)	Average Unconventional Well Count per County for 2003 - 2017 as collected by DEP	C UGWF Collection Year 7 $3.875 M - CDFAP UGWF Monies - SSP = $1,737,738 ($15,000 base + $ 1798.51 /well)	CDAP Line Items + SCC UGWF Funds = Total CDFAP/UGWF Funds distributed by SCC	PUC UGWF Block Grant to CCDs Year 7 (2017 funds) $3,875,000 ($58,712.12)	PUC UGWF Block Grant + CDFAP Line Items + SCC UGWF Funds = Total Year 7 CDFAP & UGWF Funds (2017 UGWF funds)
Adams	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Allegheny	$ 22,350	$ 16,225	$ 16,225	$ 26,329	8.5	$ 30,341	$ 111,471	$ 58,712	$ 170,183
Armstrong	$ 22,350	$ 16,225	$ 16,225	$ 26,329	16.1	$ 44,010	$ 125,139	$ 58,712	$ 183,851
Beaver	$ 22,350	$ 16,225	$ 16,225	$ 26,329	5.5	$ 24,838	$ 105,967	$ 58,712	$ 164,679
Bedford	$ 22,350	$ 16,225	$ 16,225	$ 26,329	0.1	$ 15,126	$ 96,255	$ 58,712	$ 154,967
Berks	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Blair	$ 22,350	$ 16,225	$ 14,525	$ 26,329	0.4	$ 15,719	$ 95,149	$ 58,712	$ 153,861
Bradford	$ 22,350	$ 16,225	$ 16,225	$ 26,329	83.5	$ 165,230	$ 246,359	$ 58,712	$ 305,071
Bucks	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Butler	$ 22,350	$ 16,225	$ 16,225	$ 26,329	35.9	$ 79,621	$ 160,750	$ 58,712	$ 219,462
Cambria	$ 22,350	$ 16,225	$ 16,225	$ 26,329	0.2	$ 15,360	$ 96,489	$ 58,712	$ 155,201
Cameron	$ 22,350	$ 14,455	$ 16,225	$ 26,329	3.2	$ 20,755	$ 100,115	$ 58,712	$ 158,827
Carbon	$ 22,350	$ 16,225		$ 26,329			$ 64,904	$ 58,712	$ 123,616
Centre	$ 22,350	$ 16,225	$ 16,225	$ 26,329	3.3	$ 20,881	$ 102,010	$ 58,712	$ 160,723
Chester	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Clarion	$ 22,350	$ 16,225		$ 26,329	2.1	$ 18,723	$ 83,627	$ 58,712	$ 142,339
Clearfield	$ 22,350	$ 16,225	$ 8,975	$ 26,329	9.1	$ 31,420	$ 105,300	$ 58,712	$ 164,012
Clinton	$ 22,350	$ 16,225	$ 16,225	$ 26,329	5.7	$ 25,305	$ 106,435	$ 58,712	$ 165,147
Columbia	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Crawford	$ 22,350	$ 16,225	$ 16,225	$ 26,329	0.2	$ 15,360	$ 96,489	$ 58,712	$ 155,201
Cumberland	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Dauphin	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Delaware	$ 22,350	$ 16,225	$ 3,000	$ 26,329			$ 67,904	$ 58,712	$ 126,616
Elk	$ 22,350	$ 16,225	$ 16,225	$ 26,329	9.3	$ 31,780	$ 112,909	$ 58,712	$ 171,622
Erie	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Fayette	$ 22,350	$ 16,225	$ 16,225	$ 26,329	18.9	$ 49,046	$ 130,175	$ 58,712	$ 188,887
Forest	$ 22,350	$ 14,830		$ 26,329	1.1	$ 16,924	$ 80,434	$ 58,712	$ 139,146
Franklin	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Fulton	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Greene	$ 22,350	$ 16,225	$ 16,225	$ 26,329	81.3	$ 161,273	$ 242,402	$ 58,712	$ 301,114
Huntingdon	$ 22,350	$ 16,225		$ 26,329	0.1	$ 15,126	$ 80,030	$ 58,712	$ 138,742
Indiana	$ 22,350	$ 16,225	$ 16,225	$ 26,329	2.9	$ 20,270	$ 101,399	$ 58,712	$ 160,111
Jefferson	$ 22,350	$ 16,225	$ 16,225	$ 26,329	3.0	$ 20,396	$ 101,525	$ 58,712	$ 160,237
Juniata	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Lackawanna	$ 22,350	$ 16,225	$ 3,505	$ 26,329			$ 68,409	$ 58,712	$ 127,121
Lancaster	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Lawrence	$ 22,350	$ 16,225	$ 16,225	$ 26,329	3.9	$ 21,960	$ 103,090	$ 58,712	$ 161,802
Lebanon	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Lehigh	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Luzerne	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Lycoming	$ 22,350	$ 16,225	$ 16,225	$ 26,329	58.7	$ 120,627	$ 201,756	$ 58,712	$ 260,468
McKean	$ 22,350	$ 16,225	$ 16,225	$ 26,329	8.3	$ 29,982	$ 111,111	$ 58,712	$ 169,823
Mercer	$ 22,350	$ 16,225	$ 16,225	$ 26,329	3.8	$ 21,834	$ 102,964	$ 58,712	$ 161,676
Mifflin	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Monroe	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Montgomery	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Montour	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Northampton	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Northumberland	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Perry	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Philadelphia							$ -		$ -
Pike	$ 22,350	$ 16,225		$ 26,329			$ 64,904	$ 58,712	$ 123,616
Potter	$ 22,350	$ 16,225	$ 16,225	$ 26,329	5.7	$ 25,198	$ 106,327	$ 58,712	$ 165,039
Schuylkill	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Snyder	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Somerset	$ 22,350	$ 16,225	$ 16,225	$ 26,329	1.3	$ 17,392	$ 98,521	$ 58,712	$ 157,233
Sullivan	$ 22,350	$ 16,225	$ 9,360	$ 26,329	8.8	$ 30,827	$ 105,091	$ 58,712	$ 163,803
Susquehanna	$ 22,350	$ 16,225	$ 16,225	$ 26,329	90.7	$ 178,179	$ 259,308	$ 58,712	$ 318,020
Tioga	$ 22,350	$ 16,225	$ 16,225	$ 26,329	59.1	$ 121,346	$ 202,475	$ 58,712	$ 261,187
Union	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Venango	$ 22,350	$ 16,225	$ 16,225	$ 26,329	0.3	$ 15,594	$ 96,723	$ 58,712	$ 155,435
Warren	$ 22,350	$ 16,225	$ 16,225	$ 26,329	0.1	$ 15,234	$ 96,363	$ 58,712	$ 155,075
Washington	$ 22,350	$ 16,225	$ 16,225	$ 26,329	108.7	$ 210,552	$ 291,682	$ 58,712	$ 350,394
Wayne	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Westmoreland	$ 22,350	$ 16,225	$ 16,225	$ 26,329	17.3	$ 46,060	$ 127,190	$ 58,712	$ 185,902
Wyoming	$ 22,350	$ 16,225		$ 26,329	16.9	$ 45,449	$ 110,353	$ 58,712	$ 169,065
York	$ 22,350	$ 16,225	$ 16,225	$ 26,329			$ 81,129	$ 58,712	$ 139,841
Totals	$ 1,475,100	$ 1,067,685	$ 931,740	$ 1,737,738	674.3	$ 1,737,737	$ 6,949,999	$ 3,875,000	$ 10,824,999

$2,542,785	$931,740	
$3,474,525		

D **Statewide Special Projects (SSP)**

ACT Boot Camp	$ 25,000
Leadership Development	$ 175,000
Ombudsman	$ 100,000
	$ 300,000

Grand Total of All Allocations **$ 11,124,999**

NOTES

CHART 1 illustrates a distribution of CDFAP FY2018-19 'Line Item' appropriations under the Governor's 'proposed' FY2018-19 state budget AND a 50/50 split of ACT 13 UGW Funds (UGWF) distributed by the State Conservation Commission under the CDFAP Statement of Policy.
Applies a $15,000 base grant to each county where the 15-year average of documented spudded gas wells is greater than 'zero (0)'. And, a per well credit is provided based on a 5 year average of spudded wells, in their respective county, based on well count information provided by DEP.

CDFAP/UGW Available Funding (FY2018-19)

CDFAP/UGWF	$	3,875,000 *
DEP 'Line Item' Approp.	$	2,506,000
PDA 'Line Item' Approp.	$	869,000
Subtotal	**$**	**7,250,000**
PUC Block Grant	$	3,875,000 **
Grand Total	**$**	**11,125,000**

DISTRIBUTION INFORMATION 'DENOTED' BY COLUMN/ITEM ('A' thru 'G')

A1, A2 & A3 = DEP/PDA 'Line Items' ($3.375M)

1) Supports 'Department' program priorities (Manager, E&S Tech, ACT)
2) Relative to FY2017-18 distribution
   - [1] DM funding - NO CHANGE
   - [2] 1st Tech - INCREASE
   - [3] ACT- INCREASE

* Special Note: A portion of Act 13 revenue diverted to column A2 & A3 to equalize technician funding allocations for 1st E&S and ACT Technicians to $16,225.

B = 'CDFAP/UGWF Monies' - 50% of SCC UGWF ($1.7377M) - equal amount distributed to ALL districts - INCREASED

C = 'UGWF Year 7' - 50% of SCC UGWF ($1.7377M) - SLIGHT DECREASE
1) $15,000 base grant ONLY to counties where the 5-year average of documented spudded gas wells is greater than 'zero (0)'.
2) Funding distributed ONLY to counties where the 5-year average of documented spudded gas wells is greater than 'zero (0)', based on a 5 year average of DEP documented unconventional

D = Funding needs for 'priority' statewide special projects (~ $300,000) - NO CHANGE
1)
Allocated from UGW funds prior to allocation to CDFAP priorities and well count districts.

E = Total CDFAP 'Line items' and 'UGWF' distributed by the State Conservation Commission to conservation district.

F = UGW 'Block Grant' - $3.875M/66 districts - equal amounts distributed by PUC to ALL districts. **

G = Total of all funds distributed to conservation district - PUC 'Block Grant'; CDFAP 'Line Items' & SCC UGWF.

SPECIAL NOTES:

* UGW funding includes an increase of $53,500 due to CPI adjustment distributed across items B & C.

** The SCC does not have decision-making authority over PUC Block Grant revenue distribution.

PROPOSED ALLOCATION CONCEPT FY2018-19 (5-yr avg. vs. 15yr avg. Well Count Data Comparison)

Comparison	Additional CDFAP Allocation of Remaining $1,737,737 (50%) of SCC UGWF Monies		Additional CDFAP Allocation of Remaining $1,737,737 (50%) of SCC UGWF Monies			
FY2018-19 GOVERNOR PROPOSED Line Item + UGW (50/50) $15,000 base 5Yr_15Yr Comparison. Rev: 6/29/18	5 YEAR Average Unconventional Well Count per County for 2013 - 2017 as collected by DEP	C UGWF Collection Year 7 $3.875 M - CDFAP UGWF Monies - SSP = $1,737,738 ($15,000 base + $ 1415.71 /well)	15 YEAR Average Unconventional Well Count per County for 2003 - 2017 as collected by DEP	C UGWF Collection Year 7 $3.875 M - CDFAP UGWF Monies - SSP = $1,737,738 ($15,000 base + $ 1798.51 /well)	DIFFERENCE 5 YR Avg. vs 15 YR Avg. ( ) denotes decrease	% DIFF
County						
Adams						
Allegheny	21.2	$ 45,013	8.5	$ 30,341	$ (14,672)	-33%
Armstrong	19.6	$ 42,748	16.1	$ 44,010	$ 1,262	3%
Beaver	11.8	$ 31,705	5.5	$ 24,838	$ (6,868)	-22%
Bedford		$ -	0.1	$ 15,126	$ 15,126	100%
Berks						
Blair		$ -	0.4	$ 15,719	$ 15,719	100%
Bradford	64.8	$ 106,738	83.5	$ 165,230	$ 58,492	55%
Bucks						
Butler	77.8	$ 125,142	35.9	$ 79,621	$ (45,522)	-36%
Cambria			0.2	$ 15,360	$ 15,360	100%
Cameron	9.4	$ 28,308	3.2	$ 20,755	$ (7,552)	-27%
Carbon						
Centre	0.4	$ 15,566	3.3	$ 20,881	$ 5,315	34%
Chester						
Clarion	1.6	$ 17,265	2.1	$ 18,723	$ 1,458	8%
Clearfield	0.6	$ 15,849	9.1	$ 31,420	$ 15,571	98%
Clinton	1.8	$ 17,548	5.7	$ 25,305	$ 7,757	44%
Columbia		$ -				
Crawford			0.2	$ 15,360	$ 15,360	100%
Cumberland						
Dauphin						
Delaware						
Elk	20.0	$ 43,314	9.3	$ 31,780	$ (11,534)	-27%
Erie		$ -				
Fayette	13.0	$ 33,404	18.9	$ 49,046	$ 15,642	47%
Forest	6.0	$ 23,494	1.1	$ 16,924	$ (6,570)	-28%
Franklin						
Fulton						
Greene	142.6	$ 216,880	81.3	$ 161,273	$ (55,607)	-26%
Huntingdon		$ -	0.1	$ 15,126	$ 15,126	100%
Indiana	1.4	$ 16,982	2.9	$ 20,270	$ 3,288	19%
Jefferson	2.4	$ 18,398	3.0	$ 20,396	$ 1,998	11%
Juniata						
Lackawanna						
Lancaster						
Lawrence	9.0	$ 27,741	3.9	$ 21,960	$ (5,781)	-21%
Lebanon						
Lehigh						
Luzerne						
Lycoming	54.8	$ 92,581	58.7	$ 120,627	$ 28,046	30%
McKean	14.8	$ 35,953	8.3	$ 29,982	$ (5,971)	-17%
Mercer	10.4	$ 29,723	3.8	$ 21,834	$ (7,889)	-27%
Mifflin						
Monroe						
Montgomery						
Montour						
Northampton						
Northumberland						
Perry						
Philadelphia						
Pike						
Potter	7.4	$ 25,476	5.7	$ 25,198	$ (279)	-1%
Schuylkill						
Snyder						
Somerset	0.2	$ 15,283	1.3	$ 17,392	$ 2,109	14%
Sullivan	14.4	$ 35,386	8.8	$ 30,827	$ (4,559)	-13%
Susquehanna	153.8	$ 232,736	90.7	$ 178,179	$ (54,557)	-23%
Tioga	30.4	$ 58,038	59.1	$ 121,346	$ 63,308	109%
Union						
Venango			0.3	$ 15,594	$ 15,594	100%
Warren	0.2	$ 15,283	0.1	$ 15,234	$ (49)	0%
Washington	189.6	$ 283,419	108.7	$ 210,552	$ (72,867)	-26%
Wayne						
Westmoreland	9.8	$ 28,874	17.3	$ 46,060	$ 17,186	60%
Wyoming	31.0	$ 58,887	16.9	$ 45,449	$ (13,438)	-23%
York						
Totals	920.2	$ 1,737,737	674.3	#########		

Number of well cnt cds	29	Number of well cnt cds	35
Number w '0' wells	37	Number w '0' wells	31

NOTES

The following information illustrates the number of conservation districts in the noted category as a result of applying '15 Yr avg.' well count data versus '5 Yr avg'. well count data in 'Column C'.

Category

# Conservation Districts where funding INCREASES (5yr to 15yr)	20
# Conservation Districts where funding DECREASES (5yr to 15 yr)	15
# Conservation District that 'DROP OUT' of the allocation funding stream (5yr to 15yr)	0
# Conservation District that 'COME INTO' the allocation funding stream (5yr to 15yr)	6

1	A	Allocation of CDFAP Line Items and $1,760,750 (50%) SCC UGWF Monies - Statewide Special Projects (SSP allocation item 'E')							Additional CDFAP Allocation of Remaining $1,760,750 (50%) of SCC UGWF Monies		
FY2017-18 GOVERNOR PROPOSED Line Item + UGW (50/50) $15,000 base 5 yr. Avg. Rev: 6/29/17	PUC UGWF Block Grant to CCDs Year 6 (2016 funds) $3,821,500 ($57,901.51)	B1 Manager ($22,350)	B2 1st E&S Tech. ($15,650)	B3 ACT Tech. ($16,219)	Easement Support (Farmland) ($0)	C CDFAP UGWF Monies ($25,926)	TOTAL	%	Average Unconventional Well Count per County for 2012 - 2016 as collected by DEP	D UGWF Year 6 $3.8215 M - CDFAP UGWF Monies - SSP = $1,760,751 ($15,000 base + $ 1260.33 /well)	PUC UGWF Block Grant + CDFAP Line Items + SCC UGWF Funds = Total Year 6 CDFAP & UGWF Funds (2016 UGWF funds)
County											
Adams	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Allegheny	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	18.6	$ 38,442	$ 176,488
Armstrong	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	24.2	$ 45,500	$ 183,546
Beaver	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	11.2	$ 29,116	$ 167,162
Bedford	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	0.0	$ -	$ 138,046
Berks	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Blair	$ 57,902	$ 22,350	$ 15,650	$ 13,120		$ 25,926	$ 77,046	1.50%	0.0	$ -	$ 134,947
Bradford	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	79.4	$ 115,071	$ 253,117
Bucks	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Butler	$ 57,902	$ 22,350	$ 15,650			$ 25,926	$ 63,926	1.24%	76.4	$ 111,290	$ 233,117
Cambria	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	0.2	$ 15,252	$ 153,298
Cameron	$ 57,902	$ 22,350	$ 14,455	$ 16,219		$ 25,926	$ 78,950	1.54%	9.6	$ 27,099	$ 163,950
Carbon	$ 57,902	$ 22,350	$ 15,650			$ 25,926	$ 63,926	1.24%			$ 121,827
Centre	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	0.8	$ 16,008	$ 154,054
Chester	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Clarion	$ 57,902	$ 22,350	$ 15,650			$ 25,926	$ 63,926	1.24%	1.6	$ 17,017	$ 138,844
Clearfield	$ 57,902	$ 22,350	$ 15,650	$ 8,969		$ 25,926	$ 72,895	1.42%	4.2	$ 20,293	$ 151,090
Clinton	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	3.8	$ 19,789	$ 157,835
Columbia	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	0.0	$ -	$ 138,046
Crawford	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	0.6	$ 15,756	$ 153,802
Cumberland	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Dauphin	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Delaware	$ 57,902	$ 22,350	$ 15,650	$ 7,890		$ 25,926	$ 71,816	1.40%			$ 129,717
Elk	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	16.6	$ 35,922	$ 173,968
Erie	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	0.0	$ -	$ 138,046
Fayette	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	21.4	$ 41,971	$ 180,017
Forest	$ 57,902	$ 22,350	$ 14,832			$ 25,926	$ 63,108	1.23%	2.6	$ 18,277	$ 139,286
Franklin	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Fulton	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Greene	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	134.8	$ 184,893	$ 322,939
Huntingdon	$ 57,902	$ 22,350	$ 15,650			$ 25,926	$ 63,926	1.24%	0.0	$ -	$ 121,827
Indiana	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	1.4	$ 16,764	$ 154,811
Jefferson	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	4.4	$ 20,545	$ 158,592
Juniata	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Lackawanna	$ 57,902	$ 22,350	$ 15,650	$ 3,500		$ 25,926	$ 67,426	1.31%			$ 125,327
Lancaster	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Lawrence	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	12.0	$ 30,124	$ 168,170
Lebanon	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Lehigh	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Luzerne	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Lycoming	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	91.6	$ 130,447	$ 268,493
McKean	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	15.6	$ 34,661	$ 172,707
Mercer	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	11.4	$ 29,368	$ 167,414
Mifflin	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Monroe	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Montgomery	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Montour	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Northampton	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Northumberland	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Perry	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Philadelphia											
Pike	$ 57,902	$ 22,350	$ 15,650			$ 25,926	$ 63,926	1.24%			$ 121,827
Potter	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	3.4	$ 19,285	$ 157,331
Schuylkill	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Snyder	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Somerset	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	1.2	$ 16,512	$ 154,559
Sullivan	$ 57,902	$ 22,350	$ 15,650	$ 9,355		$ 25,926	$ 73,281	1.43%	16.4	$ 35,669	$ 166,852
Susquehanna	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	169.6	$ 228,753	$ 366,799
Tioga	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	45.4	$ 72,219	$ 210,265
Union	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Venango	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	0.6	$ 15,756	$ 153,802
Warren	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	0.2	$ 15,252	$ 153,298
Washington	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	188.2	$ 252,195	$ 390,241
Wayne	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Westmoreland	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%	16.2	$ 35,417	$ 173,464
Wyoming	$ 57,902	$ 22,350	$ 15,650			$ 25,926	$ 63,926	1.24%	32.6	$ 56,087	$ 177,914
York	$ 57,902	$ 22,350	$ 15,650	$ 16,219		$ 25,926	$ 80,145	1.56%			$ 138,046
Totals	$ 3,821,500	$ 1,475,100	$ 1,030,887	$ 918,660	$ -	$ 1,711,090	$ 5,135,737	100.00%	1016.2	$ 1,760,751	$ 10,717,988
		$2,505,987		$918,660							
		$3,424,647									

E Statewide Special Projects (SSP)

ACT Boot Camp	$ 25,000
Leadership Development	$ 175,000
Ombudsman	$ 100,000
	$ 300,000

Well counties = 32

Grand Total of All Allocations **$ 11,017,988**

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Clean Water

Nonpoint Source Compliance Update

PACD/SCC Joint Meeting
July 18, 2018

Tom Wolf, Governor

Patrick McDonnell, Secretary

Agenda

Program Developments

Tracking and Reporting

Moving Forward

Program Developments - Agriculture

Chesapeake Bay Ag Inspection Program – Year 2

- Summer 2017 – Provided funding to Districts for mobile devices for inspections and data collection
- Fall 2017 – Provided PracticeKeeper Training for Ag Inspection Module
- Spring 2018 – Provided mobile devices to the four Regional Offices for inspections and data collection
- Spring 2018 – Revised CBAIP SOP to clarify BMP data collection requirements

Program Developments - Agriculture

Chesapeake Bay Ag Inspection Program – July 1, 2016 – June 1, 2018

- Referrals to Central Office – 100
- Closed Cases (Administratively Complete Plan(s) were submitted) – 40

<u>Enforcement Tools/Actions:</u>

- Notices of Violation – 99
- Field Orders – 10
- Consent Order and Agreement – 1
- Penalties - $1,000 (1)

Program Developments - Agriculture

PAG-12 Concentrated Animal Feeding Operation General Permit Renewal

- Annual Fees
- Federal e-Reporting Rule
- Annual Report
- Centralized Permitting – Southcentral Regional Office

More information can be found here:
http://www.dep.pa.gov/Business/Water/CleanWater/AgriculturalOperations/CAFOs/Pages/default.aspx

Program Developments - Agriculture

Agricultural Erosion and Sediment Control (Ag E&S) Technical Guidance Document (TGD)

- Beginning in 2017, and with assistance from a primary workgroup consisting of Conservation Districts, SCC, NRCS, and PSU, DEP staff developed framework for the TGD
- Presented topic at Ag Advisory Board in Spring 2018
- Met with Ag Advisory Board Committee in Spring/Summer 2018 to receive and incorporate feedback
- Summer/Fall 2018 will work with primary workgroup to incorporate comments from Advisory Board
- Goal for finalization is Spring 2019

Program Developments - Stormwater

Standard Operating Procedures for Construction Stormwater Compliance and Enforcement

- Compliance Strategy for Post Construction Stormwater Management
- Compliance and Enforcement Procedure for Expired and Expiring Construction Stormwater Permits

Webinar for Conservation Districts and DEP Regional Offices was held on June 26, 2018

Tracking and Reporting - PracticeKeeper

Site Licenses available for all CDs statewide

Geospatial location of:

- Chesapeake Bay Ag Inspections
- Ag E&S Plans
- Nutrient and Manure Management Plans
- Best Management Practices

<u>Centralized Repository for Consolidated Reporting</u>


Find address or place
Imagery
CHRISTIANA PK
BRIDGE ST
UPPER VALLEY RD
LANCASTER AV
Buck Run
Big Beaver Creek
MAYPOST OFFICE RD
Valley Run
VALLEY RD
West Branch Octoraro Creek
GEORGETOWN RD
Knott Run
Annan Run
CREEK RD
STATE ST
LIME ST
S CHURCH ST
ROBERT FULTON HWY
Bells Run
BELL RD
NOBLE RD
PUMPING STATION RD
Coopers Run
MAPLE SHADE RD
Kings Run
Stewart Run
East Branch Octoraro Creek
HOMEVILLE RD
Rattlesnake Run
Tower Run
Middle Octoraro Creek
Gill Run
AI-36-00120
AI-36-00109
AI-36-00162
AI-36-00156
AI-15-00024
AI-15-00027
AI-15-00022
AI-15-00041
AI-15-00118


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Imagery
CHRISTIANA PK
UPPER VALLEY RD
LANCASTER
BRIDGE ST
Buck Run
Big Beaver Creek
VALLEY RD
STATE ST
Knott Run
CREEK RD
HOMEVILLE RD
East Branch Octoraro Creek
Stewart Run
Rattlesnake Run
CP-36-01094

Agenda Item B.5

Agenda Item B.5


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LANCASTER
CREEK RD
HOMEVILLE RD
Rattlesnake Run
STREET RD


Find address or place
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Agenda Item B.5
MARBLE LN
LANCASTER AV
OLD DAM RD
CHRISTIANA PK
FEATHER BED LN
CLOVER HILL RD
FURNACE RD
QUARRY RD
LANCASTER AV
HAITI RD
MEGAN DR
HARRISON DR
CAROLYN
GREETTREE RD
GEORGE TOWN RD
BIRCH RD
HOLLOW RD
VALLEY RD
MOUNTAIN EASA
LANCASTER RD
GIBBLES HILL RD
HEYBERGER RD
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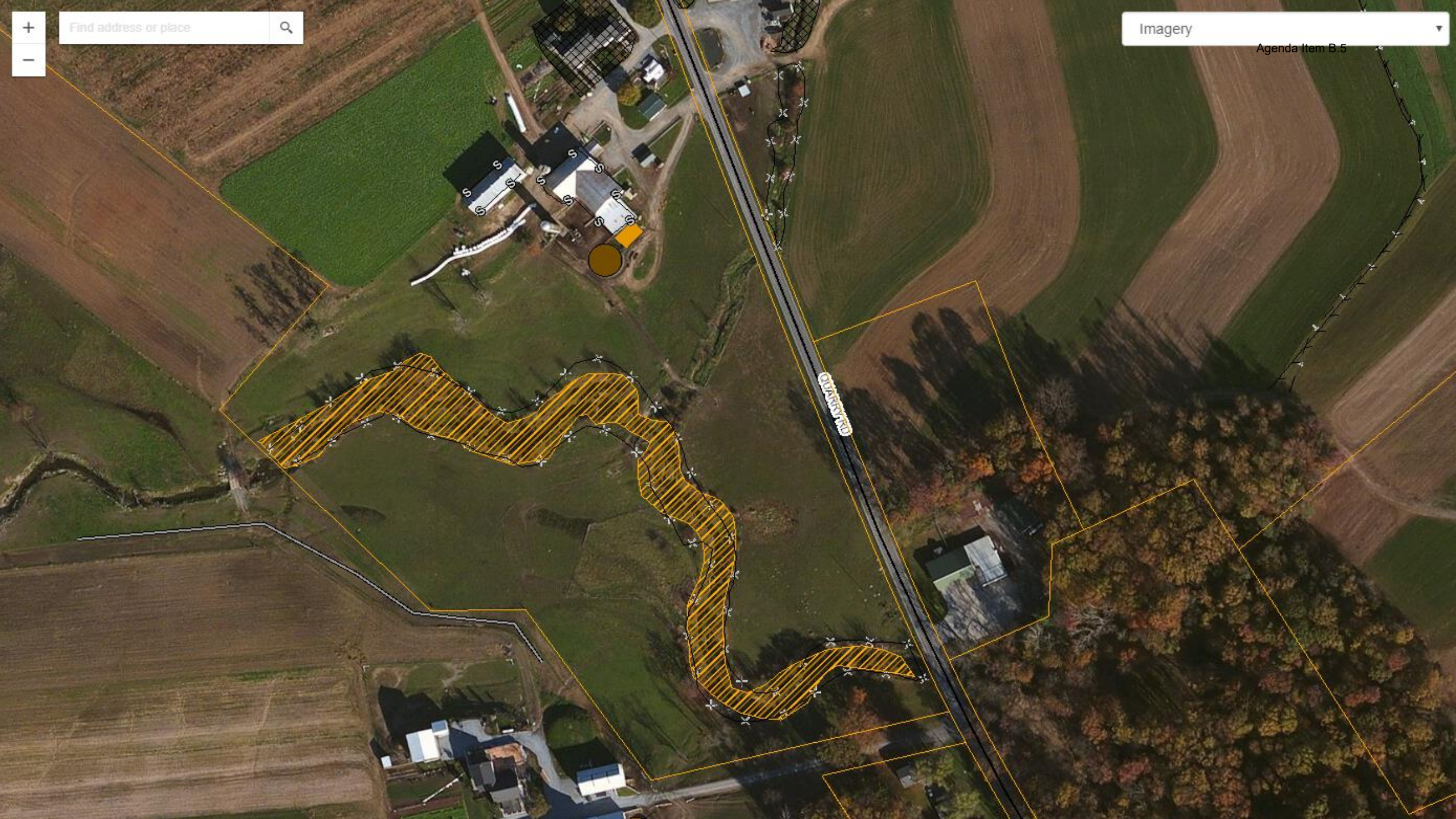
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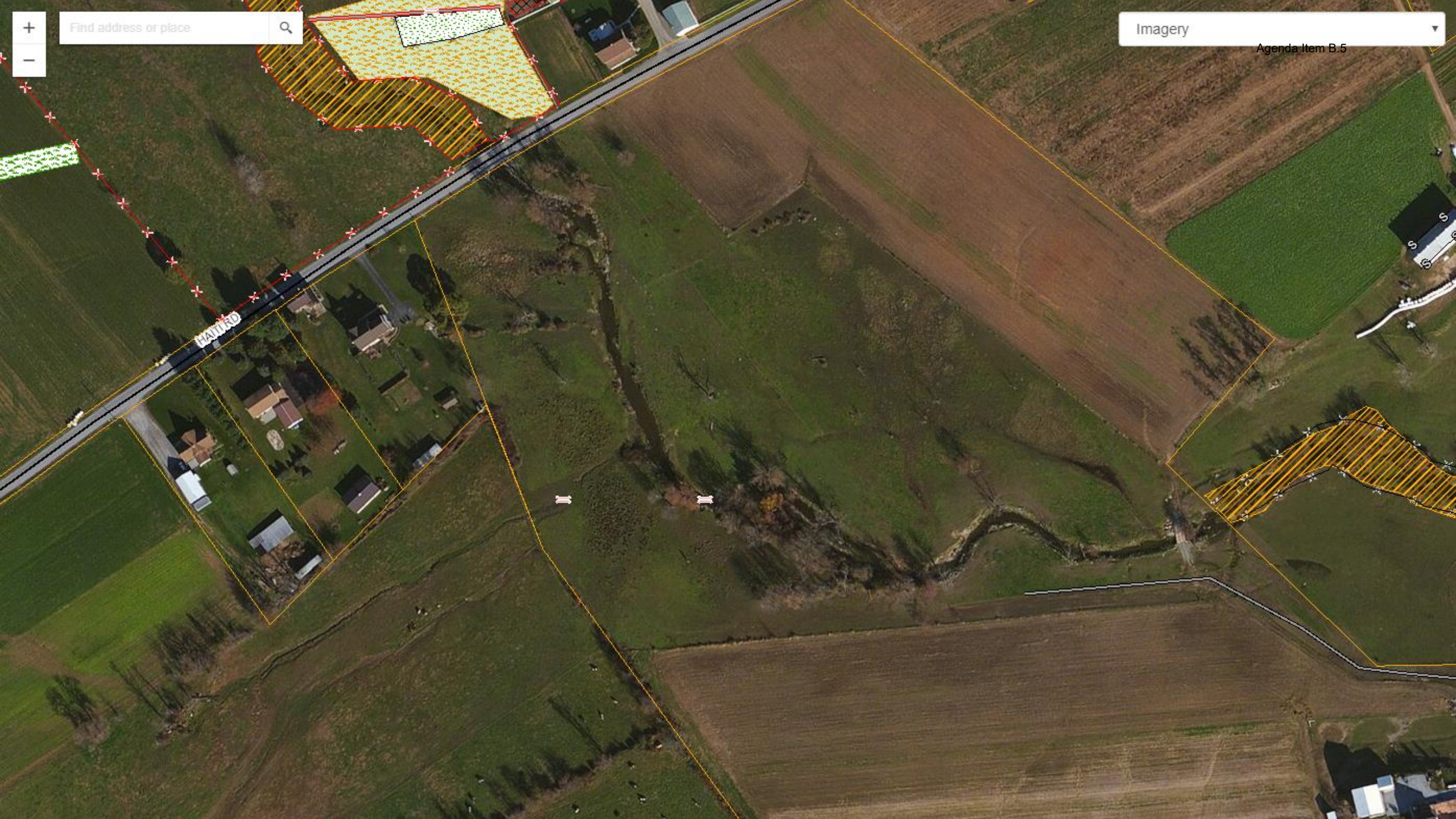
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CP-36-01424
CP-36-01394
CP-36-02179
CP-36-02097
CP-36-02098
MEGAN DR
HARRISON DR
LANCASTER AV
HATFIELD

Tracking and Reporting - PracticeKeeper

Web-based Training for PracticeKeeper Entry

Data Management SOPs/Instructions for the following:

- Chesapeake Bay Ag Inspections – in development
- Agriculture BMP Collection – in development
- Nutrient Management/Manure Management Quarterly Reports
  - Attachment F Plan Approval Data – Complete
  - Other attachments in development

Tracking and Reporting - PracticeKeeper

Nutrient Management/Manure Management Quarterly Reports

- Attachment F – Plan Approval Data
  - CDs were notified on May 1st of the shift to PracticeKeeper reporting
  - Webinar for Attachment F entry into PracticeKeeper held on May 31
  - Instructions for data entry provided to CDs
  - Record of changes made to the NM/MM Administrative Manual
  - Added statement to the Certification for Payment
- Future PracticeKeeper enhancements planned for:
  - Attachment H – Outreach, Compliance, Complaints, etc.
  - Attachment G – Manure Management Plan Outreach, Education, Assistance
  - Act 49 Nutrient Balance Sheets for Brokers

Moving Forward – Trainings and Guidance

Continue Previous Training Programs:

- Act 38 Certification
- Ag and 102/105 “Boot Camps”
- Manure Hauler and Broker

Proposed Trainings:

- Fall 2018 - Construction Stormwater Permitting and Plan Review (Permits Division)
- Spring 2019 - Construction Stormwater Compliance and Enforcement
- Summer 2019 - Municipal Separate Storm Sewer Systems (MS4) Compliance and Enforcement for Regional Clean Water Staff

Various Webinar-Based Trainings for New and Current Staff

Moving Forward – Bay Ag Inspection Program

FY2018-2019 Chesapeake Bay Ag Inspection Program – Phase 2

- Begin the process to incorporate “plan implementation” assessments in select counties
- Identify counties that will fully complete their Phase 1 inspection goals over the next two years for potential “pilot” testing
- Work with the original workgroup (CDs, DEP, SCC) and the pilot CDs to develop the guidance and edits to the report forms for the next phase

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Clean Water

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF PLANNING AND CONSERVATION

TO Karl G. Brown
Executive Secretary
State Conservation Commission

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

THROUGH C. Frederick Fiscus III
Chief
Conservation District Support Section

DATE July 9, 2018

RE Pennsylvania Envirothon Update

ACTION REQUESTED: None

The Pennsylvania Envirothon appreciates the continued support and partnership that we have with the State Conservation Commission. We would like to share some updates from its 2018 events; thank all of the volunteers, partners, and sponsors for the support they each give year; and introduce something new that will benefit the program and its future.

Pennsylvania Envirothon Update









2018 State Competition

- May 22 & 23, 2018
  - Susquehanna University
  - Camp Mount Luther
- Current issue topic:
  - Benefits of Grassland and Pastureland Management

2018 Envirothon Statistics

County Participation

- 67 counties
- 880 teams
- 6,600 students
- 42,115 students studied Envirothon resources
- 1,220 volunteers

State Participation

- 65 counties
- 65 teams
- 325 students
- 119 Tuesday volunteers
- 112 Wednesday volunteers

Top 5 Teams Awarded Scholarships

- Each student received:
  - 1st place - $1,250
  - 2nd place - $750
  - 3rd place - $500
  - 4th place - $350
  - 5th place - $150

County Conservation Districts and Shell Oil, THANK YOU for your contributions!

Greene County wins State Competition

- Carmichaels Area High School
  - Scored 546 out of a possible 600 total points.
  - Scored highest in the Oral Presentation, Current Issue, Forestry, and Wildlife stations.
- Pennsylvania's representative at the NCF-Envirothon International Competition – July 22 – 28, Idaho State University in Pocatello, Idaho

- Go Team Pennsylvania!!!

Thank You
Sponsors & Partners

County Conservation Districts

Philadelphia Parks and Recreation

PA Association of Conservation Districts

State Conservation Commission

Pennsylvania Depts. of:

Agriculture

Conservation and Natural Resources

Education

Environmental Protection

PA Fish & Boat Commission

PA Game Commission

U.S.D.A.
Natural Resources Conservation Service

Shell Oil Company

EQT Foundation

UGI Foundation

Weis Markets

PPL Foundation

The Hershey Company

Chief Oil & Gas

Smithfield Foods

PA Trappers Association

Keystone Energy Efficiency Alliance

2019 Pennsylvania Envirothon

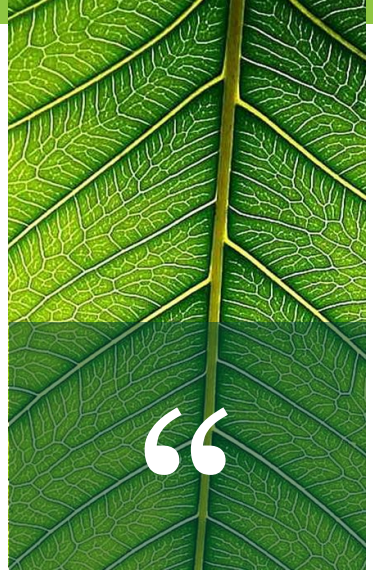
- May 21 and 22, 2019
- University of Pittsburgh Johnstown
- Current issue topic:
  - Agriculture and the Environment: Knowledge and Technology to Feed the World.
- We hope to see you there!

2019 NCF- Envirothon

- July 28 – August 2, 2019
- North Carolina State University, Raleigh

Pennsylvania Envirothon Endowment Fund

- Established in 2018 in the amount of $10,000
- First contribution - $100 in memory of long-time Envirothon supporter, Don Baker, Mifflin County
- Goal – Program is self-supporting
- What you give grows, and what grows sustains!



“Envirothon taught us about the changes that need to be made in our society and instilled in us the skills and confidence we need to make them.”

Rachel Hughes member of the 2017 winning NCF-Envirothon team.

For more information contact:

Pennsylvania Envirothon Inc.

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COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

July 10, 2018

To: Members
State Conservation Commission

From: Karl G. Brown
Executive Secretary

RE: Chesapeake Bay Program Update

Additional information pertaining to this agenda item will be provided at our July 18, 2018 Commission Meeting.

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

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: June 28, 2018

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 May / June 2018.

For the months of May and June 2018, staff and delegated conservation districts have:

1. Odor Management Plans:
    a. 10 OMPs in the review process
    b. 12 OMPs approved
    c. 1 OMP approval rescinded

2. Managing twenty (20) enforcement or compliance actions, currently in various stages of the compliance or enforcement process.

3. Worked with legal counsel on one (1) separate Environmental Hearing Board (EHB) cases.

4. Worked with DEP on review and processing for the 2nd year of the delegation agreement budget proposals.

5. Worked with DEP and conservation districts on NM reporting in Practice Keeper.

6. Continue to daily answer questions for NMP and OMP writers, NMP reviewers, delegated Conservation Districts, and others.

7. Assisted PDA legislative office with review of multiple proposed legislative bills and changes.

8. Assisted DEP with various functions and as workgroup members in Federal and State settings for the Chesapeake Bay Program.

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: July 3, 2018

TO: State Conservation Commission

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

SUBJ: 2018 "To-date" 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 in order to develop or review odor management or nutrient management plans under the Act 38 *Facility Odor Management or Nutrient 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, 2018 to June 30, 2018)

1. The Winter/Spring cycle for the Nutrient Management Specialist certification program began in March 2018. Seventeen (17) individuals began coursework towards certification. The spring certification cycle for the Commercial Manure Hauler and Broker certification program also began in March 2018. Twenty-nine (29) haulers/brokers completed their coursework and are now certified.
2. Completed eighteen (18) 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.*
3. Issued the following licenses to individuals who successfully completed certification and/or continuing education requirements for license renewals:
    a. Nutrient Management and Odor Management Specialists: 26
    b. Commercial Manure Haulers and Brokers: 275

    Total licenses monitored and maintained by Commission staff on behalf of PDA:
    a. Nutrient Management Specialists 296
    b. Commercial Manure Haulers and Brokers 784
    c. Odor Management Specialists 34
4. Approved credits for eligible continuing education programs up to June 30, 2018:
    a. Nutrient Management Specialist certification: ..... 38 events
    b. Commercial Manure Hauler and Broker certification: ..... 20 events
5. Program staff performed fourteen (14) site inspections regarding record keeping requirements under the Commercial Manure Hauler and Broker Certification Program.

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: June 27, 2018

TO: Members
State Conservation Commission

FROM: Karl J. Dymond
State Conservation Commission

SUBJECT: May 2018 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 May 2018 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 June 26, 2018.

The table below summarizes approved plans grouped by the Nutrient Management Program Coordinator Areas and by calendar year.

	Central	NE/NC	SE/SC	West	Totals
2009	7	6	28	1	42
2010	5	7	25	2	39
2011	10	11	15	2	38
2012	9	16	16	2	43
2013	10	11	37	3	61
2014	13	16	44	2	75
2015	16	15	60	2	93
2016	19	16	59	4	98
2017	24	24	44	3	95
2018	7	3	22		32
Total	120	125	350	21	
Grand Total					616

As of June 26, 2018, there are six hundred sixteen **approved** plans and/or amendments, eight plans have been **denied**, sixteen plans have been **withdrawn** without action taken, forty-nine plans were **rescinded,** and ten plans and/or amendments are going through the **plan review process**.

OMP Status Report

Action	OMP Name	County	Municipality	Species	AEUs	OSI Score	Status	Amended
4/24/2018	Reinford Farms, Inc	Juniata	Walker Twp	Cattle	685.45	26.7	Approved	A
5/3/2018	Weaver, James L	Lancaster	Fulton Twp	Cattle	130.50	16.2	Approved	A
5/10/2018	Brubaker Run Farms, LLC - Fairview Road Farm	Lancaster	Ralpho Twp	Broilers	0.00	26.0	Approved	B
5/14/2018	Sunset Family Farms, LLC	Lebanon	Bethel Twp	Broilers	378.20	26.4	Approved	A
5/15/2018	Brubaker Farms, LLC - Dairy Farm 2	Lancaster	E Donegal Twp	Cattle	877.25	50.1	Approved	B
5/18/2018	Bricker, Melvin L – N Mountain Gobbler #2	Fulton	Dublin Twp	Turkey	346.82	23.6	Approved	A
5/18/2018	Long, Michael Sr.	Lebanon	E Hanover Twp	Broilers	186.41	29.2	Approved	
5/18/2018	Zimmerman, Brendon	Dauphin	Conewago Twp	Broilers	359.85	74.7	Approved	A
5/24/2018	Martin, Lewis	Snyder	W Perry Twp	Broilers	209.71	28.8	Approved	A
6/7/2018	Hershberger, Ananias	Montour	Anthony Twp	Veal	103.56	49.5	Rescinded	
6/13/2018	Wenger, Conrad	Juniata	Monroe Twp	Broilers	194.03	20.7	Approved	
6/15/2018	Martin, Kenton	Lancaster	Elizabeth Twp	Broilers	395.00	62.6	Approved	
6/18/2018	Wenger, Jason	Lancaster	Rapho Twp	Swine	421.24	77.4	Approved	

As of June 26, 2018

COMMONWEALTH OF PENNSYLVANIA
STATE CONSERVATION COMMISSION

DATE: July 3, 2018

TO: State Conservation Commission

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

SUBJ: 2018 Program Accomplishments
Resource Protection and Enhancement Program (REAP)

REAP Program Summary

The Resource Enhancement and Protection (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 $150,000 per agricultural operation.

Program Accomplishments

The FY2017 REAP application period opened on a 'provisional basis' on August 7, 2017. Below is a summary of the FY2016 round of REAP applications and a summary of the FY2017 round, to date (1.) and, a summary of REAP activities from January 1, 2018 to June 30, 2018 (2). Approximately twelve (12) applications received in program year 2017, representing approximately $1.1 million, could not be considered under the FY2017 allocation. These applications will be held for consideration in the FY2018-19 round of applications for REAP.

(1.) FY 2016 & FY2017

Applications		Total Cost	Other Public Funds	REAP Requests	Credits Granted
2016	291	$26.0 million	$4.34 million	$10.5 million	$6.11 million
2017	319	$26.2 million	$4.9 million	$11.6 million	$3.7 million

a) REAP Request – project types	FY2016	FY2017
1) Proposed	$3.87 million	$3.07 million
2) Completed Projects	$6.63 million	$8.53 million
b) No-Till Equipment	$5.15 million	$3.81 million
c) Structural BMPs	$4.3 million	$6.1 million
d) Plans (Ag E&S, Conservation, Manure Management, Nutr. Mgmt.)	$185,000	$178,000
e) Low Disturbance Residue Management Equipment	$318,000	$282,000
f) Precision Ag Equipment	$100,200	$131,000

(2.) January 01, 2018 – June 30, 2018

1. Tax Credits issued to applicants for completed projects .....$2.5 million
2. Number of BMPs completed associated with issued tax credits..... *130*
3. Number of new tax credit 'sales' completed..... *98 sale transactions*
4. Value of new tax credits processed through 'sales'..... *$1.75 million*
5. Number of site inspections conducted on completed projects *7*
6. Educational and promotional activities included one press release:

   5 speaking events

   2 mass email

   2 Press release

PENNSYLVANIA AGRICULTURAL OMBUDSMAN PROGRAM

BUILDING BRIDGES

Farmers * Municipalities * Citizens
Conservation Districts * Agribusiness

To: Members
State Conservation Commission

July 18, 2018

From: Shelly Dehoff
Agriculture/Public Liaison

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

Re: Agricultural Ombudsman Program Update

Activities: Since mid-May 2018, I have taken part or assisted in a number of events, including the following:

- worked with Lanc Co Ag Council and Lancaster Barnstormers to plan "Farm Show Weekend" in June; attended event
- participating with York Co. Stormwater Authority Implementation Plan "Outreach/Communications" workgroup; including planning and attending the first Public Outreach meeting for the public
- finished creating publication on SCC's behalf for farmers related to changes of Standard Animal Weights
- Coordinating details for Lancaster County Ag Week in October 2018
    - includes coordinating new subcommittee specifically for Denim & Pearls dinner event
- created new Ombudsman Program retractable banner display
- attended Ag Issues Forum on economic impact of ag in PA
- began role as Cover Crop Champions Coordinator through National Wildlife Federation; short term grant
- attended 2 half-days of outreach messaging/media training with through National Wildlife Federation
- volunteered for 3 days at Family Farm Days on behalf of Ag Council, and Ombudsman Program
- helped overhaul Lancaster Co Farm Facts publication for Ag Council
- did 4 FRPP site visits in Lancaster County on behalf of Capital RC&D
- met with reps from PA Grazing Lands Coalition to discuss podcast creation as part of Cover Crop Champions grant
- Serve as Chair of the South Central Task Force Agriculture Subcommittee
- Attended and assisted at Lancaster Co. Agriculture Council meetings

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

Chester Co—on-going attendance at meetings related to Mushroom Phorid Flies with residents/municipality and with the Mushroom Farmers of PA

Huntingdon Co—ordinance proposed by citizen's action group; assisting with efforts to get reviewed thru ACRE law

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

None currently

Research and Education Activities:

Berks Co—was asked where/how to report Spotted Lantern Flies; provided info to resident

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

Lebanon Co-- 2 different complaints
Berks Co- fly complaint, included letter documenting efforts, at neighbor's request
Franklin Co—ongoing complaint; I'm looking for additional sources of flies
Lancaster Co—ongoing complaint
Lancaster Co—2 new complaints
Cumberland Co—new complaint; Cumberland CD staff is assisting

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

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PENNSYLVANIA AGRICULTURAL OMBUDSMAN PROGRAM

BUILDING BRIDGES

Farmers*Municipalities*Citizens
Conservation Districts*Agribusiness

To: Members — June 30, 2018
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: May-June 2018

- Assisting Dr. Machtinger (entomologist w/ Penn State University) with collecting fly data by identifying participating poultry operators.
- Organizing a pasturewalk to be held in Huntingdon County (Shade Gap, PA).
- Assist with organizing 2018 Farm2Fork event
- Meeting with CDE, CBE, PSU – planning 2018-2019 PAOneStop training
- Preparing for PDA's visit to Altoona-Blair County for Urban Agriculture Week in PA

Meetings/Trainings/Events

- Blair County Envirothon
- Bellwood-Antis Middle School STEM night (urban agriculture)
- Juniata Community Event -distributed agriculture educational material
- Healthy Blair County Event - distributed agriculture educational material
- Southern Alleghenies Planning & Development Commission's Comprehensive Economic Development Strategy (CEDS) Committee meeting,
- PDA – Statewide Urban Ag Committee meeting
- PSU-Altoona meeting – developing local food outreach material
    - Blair Local Food/Urban AG Network meetings w/Southern Alleghenies Conservancy
- Altoona-Blair Community Development meeting – planning 2018 Farm2Fork dinner
- Woods and Water Consultant meeting – Preparing for MS4 grant application with NFWF
- Blair's – Intergovernmental Stormwater Committee – Preparing for multiple grant applications for MS4

Conflict Issues/Municipal Assistance –

- Lycoming County:
    - On-going meetings with residents and farmers regarding fly complaints
    - Collaborating with PSU entomologist, Dr. Machtinger, to develop a fly management plan.
    - Working with Lycoming County Commissioners to develop outreach for the community
- Clinton and Lycoming Counties: assisting Dr. Machtinger with fly data from poultry operations.
- Cambria County – fly/manure complaint
- Snyder County – fly/manure complaint
- Cambria County – Ag Security Area dispute
- Huntingdon County – potential ordinance review
- Clinton County – fly/manure complaint

Reports & Grant Applications

--BCCD Board Report

--DCNR – Multi-function Buffer grant report completed for BCCD

--Wallace Center-Food Systems Leadership Network mini-grant – applicant for Southern Alleghenies Conservancy

--ME Pipeline grant application for Blair's MS4 – applicant for Blair's ISC

--Growing Greener grant application for Blair's MS4 – preparing grant application for Blair's ISC