



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Bureau of Clean Water

Program Update

2019 Chesapeake Bay Program
Conservation District and PA Agency Staff Meeting
March 11, 2019

Tom Wolf, Governor

Patrick McDonnell, Secretary



Year In Review

Data
Management
Reporting

Compliance
Inspections
Enforcement

Contact

Year in Review

April 2018 – Civil Penalty Matrix for Agricultural Operations (CAFO and non-CAFO) and SOP

May 2018 – Nutrient Management Reporting and Webinar (SCC and DEP)

July 2018 – Chesapeake Bay Ag Inspection SOP Revisions

August 2018 – Chesapeake Bay WIP BMP Verification Summit (DEP CBO and BCW)

October 2018 – Manure Management Manual Revision Needs Survey

January 2019 – Soil Erosion and Sedimentation Control Manual for Agriculture (383-4200-002)

February 2019 – Manure Management Planning Facilitator Web-based Training

Ongoing – Chesapeake Bay Phase 3 Watershed Implementation Planning

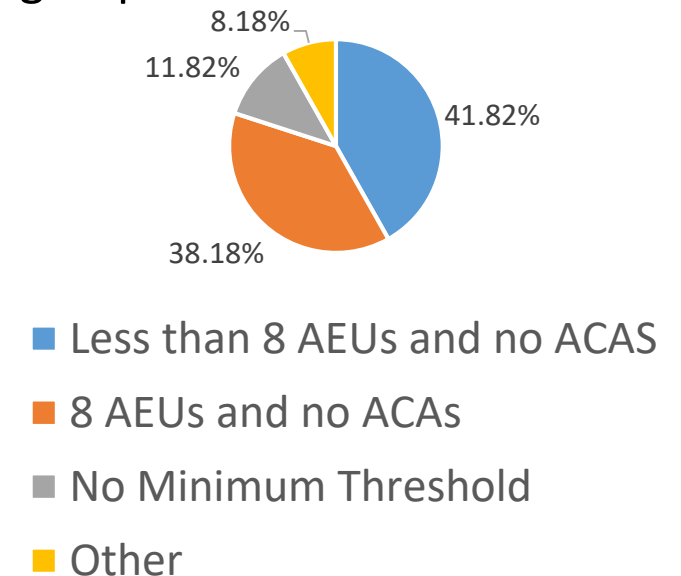
Manure Management Manual Revision Needs Survey

- 156 Survey Respondents – 47% were Conservation District staff; 15% were farmers
 - 58% of total respondents had 5+ years of experience with the Manure Management Manual

- Top ten recommended revisions –

1. Add AEU/Acre calculation Box
2. Define “dense vegetation”
3. Add section to instructions describing implementation and record keeping requirements
4. Clarify Manure Application Table
5. Include manure spreader calibration
6. Better format Animal Concentration Area (ACA) worksheet
7. Make stacking/stockpiling requirements stand out
8. Add stacking/stockpiling worksheet
9. Create minimum threshold for the requirement to have a written MMP
10. Separate the packet into 4 parts

* Increase visibility (and add worksheet) for Ag Process Wastewater



2017-2018 Ag Inspection Program Successes

329,468 acres inspected = 2,924 inspections

Act 38 Nutrient Management Program:

- 814 agricultural operations inspected
- 145,680 acres inspected
- 80% compliance rate with plan and implementation requirements

Chesapeake Bay Agricultural Inspections Program:

- 2,110 agricultural operations inspected
- 183,788 acres inspected
- 66% compliance rate for Manure Management Planning requirements
 - 84% with Planning/Technical Assistance Provided
- 68.5% compliance rate for Agricultural Erosion and Sediment Control/Conservation Planning requirements
 - 98% with Planning/Technical Assistance Provided
- **Referrals to DEP Bureau of Clean Water in FY 2017-2018**
 - 87 agricultural operations were referred for plan violations
 - 4% rate of continued non-compliance after initial inspection

2018-2019 Bay Ag Inspection Update

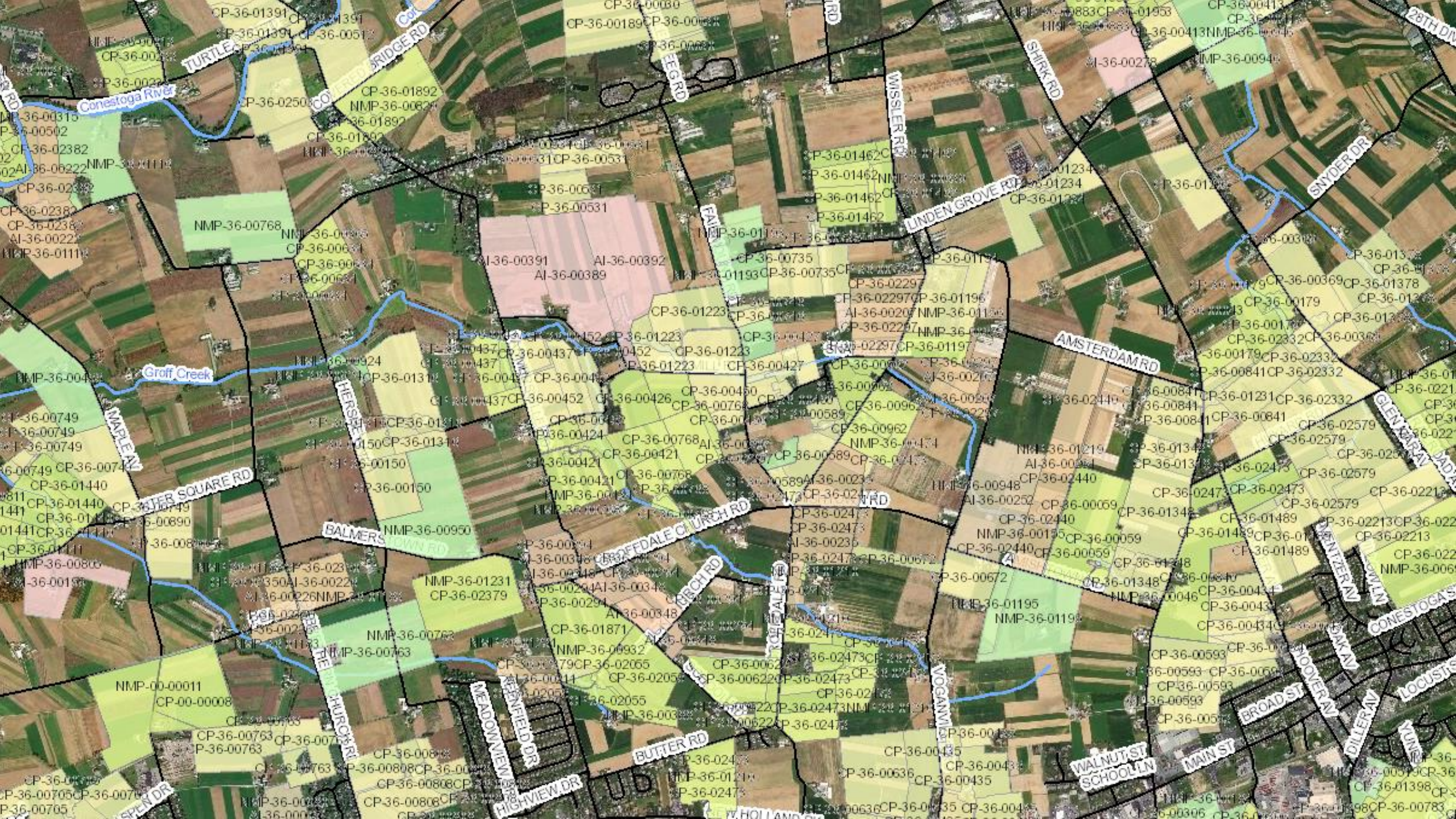
July 1, 2018 – December 31, 2018

- **Chesapeake Bay Agricultural Inspection Numbers:**
 - 810 agricultural operations inspected
 - 73,280 acres inspected
- **Chesapeake Bay Agricultural Inspection Compliance:**
 - 63% compliance rate for Manure Management Planning requirements.
 - 64% compliance rate for Agricultural Erosion and Sediment Control/Conservation Planning requirements.

DEP Bureau of Clean Water Enforcement Update

July 1, 2016 - January 1, 2019

- **Noncompliance referrals to DEP:**
 - **140** operations were referred to DEP for follow-up enforcement action due to lack of required MMP, Ag E&S Plan, or both.
- **Notices of Violation (NOV) sent:**
 - Total: **137** farm operations.
 - **79 NOV**s resulted in submission of complete plans to DEP.
 - **4** operations submitted the required plans prior to receipt of NOV
- **Field Orders delivered:**
 - Total: **53** farm operations
 - These operations did not submit administratively complete plans to DEP by the timeframe provided in the NOV.
 - Field order provides limited time to obtain and submit plans as a “last chance” opportunity prior to penalty assessment.
 - Field order is hand-delivered by DEP Bureau of Investigation staff.
 - **13 Field Orders** resulted in submission of complete plans to DEP



TURTLE BRIDGE RD

ESGRO RD

WISSLER RD

SHARK RD

SNYDER DR

LINDEN GROVE RD

AMSTERDAM RD

Groff Creek

MARLEN RD

WATER SQUARE RD

BALMERS BARN RD

ROFFDALE CHURCH RD

MECH RD

ROFFDALE RD

WIND RD

YOGANVILLE RD

WALNUT ST SCHOOL LN

MAIN ST

BROAD ST

BOOVERY LN

DILLERY LN

LOCUSTS

BUTLER RD

W HOLLAND RD

SPEN DR

WATER DR

WATER DR

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Data Management and Reporting

July 1, 2017 – June 30, 2018

Annual Progress Reporting Data

PracticeKeeper

Bay Ag Inspection Program, reported via PK, 2017-2018

Manure Storages (15 years or older)	106 (28,739,000 gallons)
Manure Management Plans (complete)	1,056
Manure Management Plans (implemented)	281 (22,720 acres)
Ag E&S Plans (complete)	1,086
Other BMPs (excluding crop rotation, residue management, and cover crop)	189

Data Management and Reporting

July 1, 2017 – June 30, 2018

Annual Progress Reporting Data

Access Database and PracticeKeeper

Act 38 Nutrient Management Program, Excluding Lancaster County, 2017-2018

Active Nutrient Management Plans	727 (152,731 acres)
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Nutrient Management Export Records (Out of county of origin and Out of Bay Watershed)	210 (567,484 tons)
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Data Management and Reporting

July 1, 2017 – June 30, 2018

Annual Progress Reporting Data

PracticeKeeper

Lancaster County, 2010 - 2018	
Manure Storages (Since 1985)	448
Active Nutrient Management Plans	300 (35,055 acres)
Nutrient Management Export Records (Out of County of Origin)	22 (47,880 tons)
Other BMPs (excluding crop rotation, residue management, and cover crop)	3,366

PracticeKeeper Enhancements

- **Map**
 - Map Service functionality which allows users to reference published data – **ETA Spring 2019**
 - Parcel Layer Data
- **All Modules**
 - Attachment Tags for easy sorting and filtering of attachments – **COMPLETE**
 - Audit Functionality – **COMPLETE**
 - Copy Mailing Address added where appropriate – **COMPLETE**
- **Chesapeake Bay Technician Agreements**
 - CBP-23 Report Form auto-populates fields (inspection numbers, technician outputs, etc.) – **ETA Spring 2019**

PracticeKeeper Enhancements

- **Nutrient/Manure Management Module**

- Biosolids added as NMP Plan Type – **COMPLETE**
- Attachment F – Plan Approval Data - **COMPLETE**
- Attachment G – Manure Management – **ETA Spring 2019**
- Attachment H – Level 2 Quarterly Report (Compliance Rates, Complaint Follow-up, etc.) – **ETA Spring 2019**
- Act 49 Hauler/Broker Nutrient Balance Sheet – **ETA Spring 2019**

- **Ag Inspection Module**

- Offline Template Addition - **COMPLETE**
- Data Explorer Report Generation Recorded Web-Based Training - **COMPLETE**
- Ag Inspections Reported via Logs from July 1, 2016 – September 30, 2017 added to PK – **ETA Spring 2019**
- AEU and AEU/acre calculator (with new Standard Animal Weights) – **ETA Fall 2019**
- Numerous other enhancements – build in more logic to ensure consistent application – **ETA Fall 2019**

- **BMP Module**

- Supplemental Nutrient Management BMPs to track N & P Rate, Placement, and Timing - **COMPLETE**
- Resource Improvement Practices added – **ETA Spring 2019**

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