



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Office of Water Management

2015 Targeted Watersheds Update

**Ag Advisory Board
August 19, 2015**

Ag Regulatory Requirements

- **Authority**

- Federal Clean Water Act
- Pennsylvania Clean Streams Law

- **Regulatory Requirements for Agriculture**

- 1972 - Chapter 102: Erosion & Sediment Control
- 1986 - Chapter 91: Polluted Runoff (Manure)
- 1993 - Chapter 83: CAO – Concentrated Animal Operations (State Conservation Commission - SCC)
- 2000 - Chapter 92: CAFO – Concentrated Animal Feeding Operations

- **2014 Report**

- 5,802 miles of streams in Pennsylvania impaired by agriculture the leading cause of pollution of streams in Pennsylvania.

Regulatory Updates, Tools & Outreach

Pennsylvania Code

Title 25. Environmental Protection
Department of Environmental Protection
Chapter 102. Erosion and Sediment Control



2010

Revised Chapter 102:

- Added “equine activities” to definition of Ag Operation.
- BMPs must meet “T” over crop rotation.
- Defined AHUA and included requirements for minimizing runoff.
- Crop residue requirement within 100 ft. of stream

LAND APPLICATION OF MANURE A supplement to Manure Management for Environmental Protection

Manure Management Plan
Guidance

361-0300-002



2011

- DEP revised the Manure Management Manual.
- PA Conservation Districts conducted over 15,248 farm visits and held 268 manure management training sessions.



2011 - 2014

- DEP developed numerous education and outreach materials including brochures, pamphlets, barn sheets, calendars and videos.

Ag Operations by DEP Region

	<u># of FARMS</u>	
NWRO	8590	14%
NCRO	10608	18%
NERO	5386	9%
SWRO	9720	16%
SCRO	21754	37%
<u>SERO</u>	<u>3251</u>	<u>6%</u>
Total	59,309	100%

Note: The “# of FARMS” is from the 2012 Census data.

Regional Ag Watershed Assessment Program Initiative

DEP Region	Name	County		Size	Farms
NCRO	Kaiser Run (Upper Buffalo Creek)	Union	CWF	2.88 sq.mi.	~22
NWRO	UNTs Kahle Lake	Venango/ Clarion	CWF	4.49 sq.mi.	~12
NERO	Mahantango Creek (Headwaters)	Schuylkill	CWF	~ 19 sq.mi.	~21
SCRO	Beaver Run (Yellow Creek Watershed)	Bedford	HQ-CWF	~10sq. mi.	~31
SERO	UNT Tohicken	Bucks	TSF	5.1 sq.mi.	
	Deer Run	Bucks	CWF	3.4 sq.mi.	~41
	Wolf Run	Bucks	CWF	1.16 sq.mi.	
SWRO	Goose Run (Plum Creek Watershed)	Indiana	HQ-CWF	~3 sq. mi.	~ 12

Regional Ag Watershed Assessment Program Initiative

- Six Regional Offices / Six Watersheds
- “Advanced Notice” of Stakeholders
- Six Grants to Conservation Districts
- 154 Farms Assessed

Regional Ag Watershed Assessment Program Initiative

- 154 Farms Assessed
 - 35 Farms with Significant Water Quality Concerns
- 13 Farms w/ Field Orders
- Significant Findings:
 - 45 had Manure Management Plans (31%)
 - 40 in Bay Watershed (50%)
 - Positive Feedback



2015 Targeted Watershed Assessments

2015 Watersheds Effort

- Three Regions / Three Watersheds
- Chesapeake Bay Focus
- Three Conservation Districts
 - At Least \$500,000/watershed.
- Focus on Compliance

2015 Targeted Watershed Assessment

2015 Watersheds

DEP Region	Watershed Name	County	Protected Water Uses*	Size (Sq. Miles)	Farms	Notes
NCRO	Brush Valley - Elk Creek	Centre	EV/HQ-CWF	19.2	23	Selected area is very large, but 70% is forested.
NERO	Little Mahantango	Schuylkill and Northumberland	CWF	15	20-25	Adjacent to 2014 RAWAPI watershed.
SCRO	Calamus Run	Lancaster	TSF	3	15	Tributary of Little Beaver Creek in the Pequea Creek watershed.

* EV - Exceptional Value Waters, HQ - High Quality Waters, CWF - Cold Water Fishes, TSF - Trout Stocking



Office of Water Management

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