





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

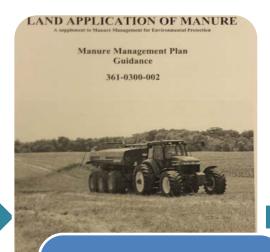
Title 25. Environmental Protection
Department of Environmental Protection
Chapter 102. Erosion and Sediment Control



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



2011

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



An intering operation were sub-deper placed or an electrical sub-definition, successful their placed in the interitor of any placed of any place

experienced in developing plans. Manuse Management Harm do not have to be submitted for approval but must be legal on form and made avoilable upon request. It chould be noted that fames defined as CAFOs or as CAFOs are required to develop more detailed written plans, called Nathi Management Harm. These plans must be developed by a Cattleto Hustonia Management Socialist and submitted to the lo

emshasii Chipto 11 ngalatinn addess palatiin coteel and prevention at agiculbuil operation. Socian 11.30 of the guidation silen to the Alanas Management Alanaud (Malk), a constaining interfacel for development of a bitames alteragement an. The Bibli is available to asset termen to develop a vortee Management Plan, A Farme cas use a plan different than to BIBL, but they do enter get DIF order and apprecia The following is an evenious of the surfaces of a statement alteragement and the surface of the surface of the surface and apprecia the following is an evenious of the surface of a statement and statement.

Operative Information - Section 1 - Measure Nationprinted Paris include contact information and general information and general information and general information and general information and period information and period information and period information and period information and control general period information and information and finite production for an antiferiod period information and finite production for an antiferiod period information and finite production for the first explosion for an antiferiod period for the first explosion for a finite period for the first explosion for the NAME of the AMERICA CONTROL PRODUCT AND ASSESSED AS

The P-index developed from units ding

2011 - 2014

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

Ag Operations by DEP Region

	# of FARMS	
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	1 ノローノち 1	Adjacent to 2014 RAWAPI watershed.	
SCRO	Calamus Run	Lancaster	TSF	3	15	Tributary of Little Beave 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

Steven Wm. Taglang

Bureau of Conservation and Restoration PA Department of Environmental Protection

PO Box 8555

Harrisburg, PA 17105

staglang@pa.gov

www.depweb.state.pa.us