



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Office of Water Management



DEP Update

**Agriculture Advisory Board
October 16, 2013**

CAFO Operations by DEP Region

	<u>CAFO Permits</u>	
NWRO	5	1%
NCRO	60	16%
NERO	13	3%
SWRO	5	1%
SCRO	281	75%
<u>SERO</u>	<u>9</u>	<u>2%</u>
Total	373	100%

Note: March 2013 data.

Ag Operations by DEP Region

	<u># of FARMS</u>	
NWRO	8490	15%
NCRO	9670	17%
NERO	5510	9%
SWRO	10295	18%
SCRO	20580	35%
<u>SERO</u>	<u>3570</u>	<u>6%</u>
Total	58115	100%

Note: The “# of FARMS” is from the 2002 Census data ... 2007 Ag Census has total of 63,000.

DEP & Agriculture

- **DEP Secretary ...**
 - **Chair of State Conservation Commission**
 - **Farmland Preservation Board**
 - **Farmland Condemnation Approval Board**
- **DEP staff...**
 - **USDA-NRCS Partnership**
 - **Certified Crop Advisor Board**
 - **PA Agronomic Educators Society**
- **DEP Ag Advisory Board**

DEP & Agriculture

- **DEP Funds ...**
 - **Ag Staff in County Conservation Districts**
 - Chesapeake Bay Implementation Grant
 - Nutrient Management
 - NRCS - SWAT
 - **Ag BMPs**
 - Section 319
 - Growing Greener
 - Chesapeake Bay funds
 - PennVest
 - NFWF, NRCS-CIG, etc.

Ag Regulatory Requirements

- **Authority**
 - **Federal Clean Water Act**
 - **Pennsylvania Clean Streams Law**

- **Regulatory Requirements for Agriculture**
 - **Chapter 102: Erosion & Sediment Control**
 - **Chapter 91: Polluted Runoff (Manure)**
 - **Chapter 92: CAFO – Animal Operations**
 - **Chapter 83: CAO – Animal Operations (SCC)**

Ag Regulatory Requirements – Crop Fields

- **Chapter 102.4(a)**
 - Required for Agricultural Plowing and Tilling
 - Written Ag E&S plan is Required
 - NRCS Conservation Plan
 - Plan on-site; no requirement to submit to DEP
- These regulations became **effective in 1972.**
- Chapter 102 Regulations Revised November 2010.

Ag Regulatory Requirements - Animals

All Animal Operations

All operations generating/utilizing manure

* Regulated by PA DEP

Concentrated Animal Operations (CAOs)

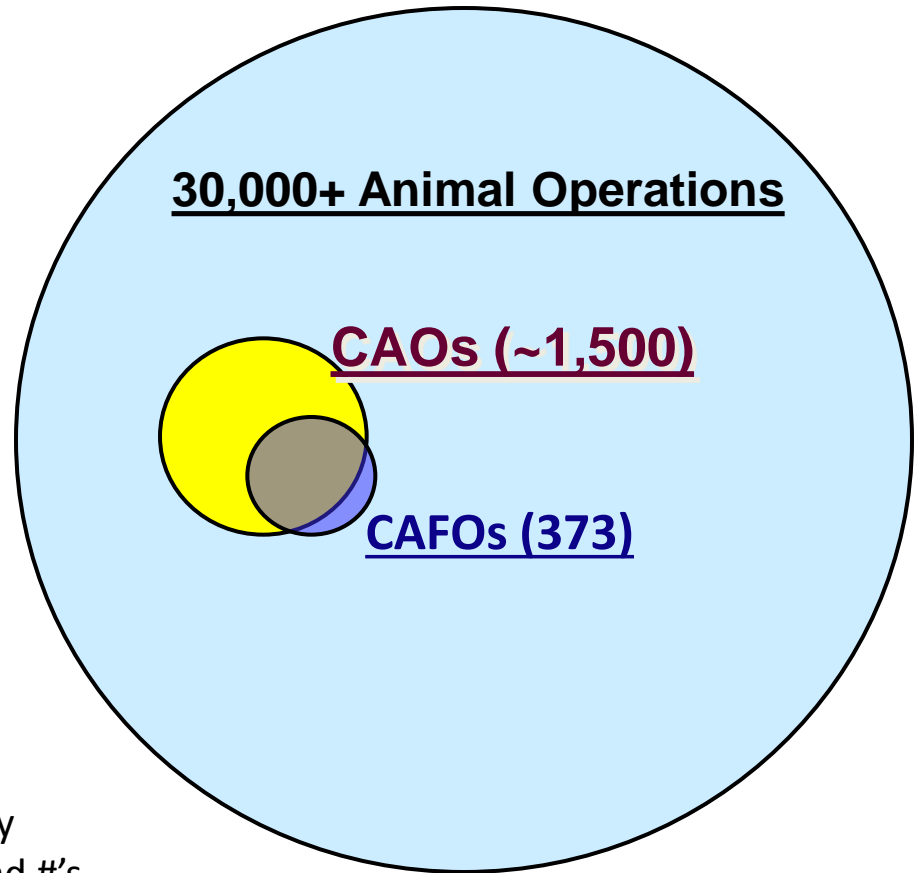
High animal density farms
farms > 2,000 lbs/acre animal density

* Regulated by PA SCC

Concentrated Animal Feeding Operations (CAFOs)

Based on animal numbers and/or animal density
Farms > 1,000 AEU's, CAOs > 300 AEU's, EPA head #'s

* Regulated by PA DEP



Ag Regulatory Requirements - Animals

- *A Manure Management Plan is required for all using manure... since 1986.*
- Plan designed to protect water quality AND crop yields:
 - Must be a written plan, kept on site.
 - Can be written by farmer or other non-certified individual.
 - 2011 Manure Management Manual Revisions.

30,000+ Animal Operations

Chesapeake Bay Updates

- Conservation District Activities
 - 9678 Education Outreach Visits
 - 34 “Consistent” Complaint Response Policies
 - BMPs & Staff – CBIG
 - MMM Training & NM Staffing – CBRAP
- CBRAP Inspections
 - Four Staff in DEP Regional Offices
 - 798 Inspections
 - 354 Enforcement Actions
 - \$123,000 in fines

CAFO Program Updates

- EPA's Chesapeake Bay Foundation Settlement
 - New Regulation? “No, not at this time, but ...
 - AFO and CAFO program assessment;
 - Five Conservation Districts
 - Two DEP Regions
 - AFO reviews in targeted watersheds;
 - CAFO permit reviews;
 - CAFO regulation assessment.

Total Stream Miles Impaired by Agriculture (2012)

5705

5484 miles in 2010

5315 mile in 2008

5202 miles in 2006



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