

# Pennsylvania Chesapeake Bay Program Update

All Bay Meeting  
*January 5, 2011*  
Steve Taglang

# Changes to Chapter 102.4 and the Manure Management Manual

## Chapter 102.4

Agricultural plowing and tilling  
Animal Heavy Use Areas (AHUA)

## Manure Management Manual

Land Application of Manure Supplement



# Chapter 102 Revisions

- Chapter 102 regulations effective November 19, 2010
- New Provisions Include:
  - 25% cover
  - Animal Heavy Use Areas (AHUA)
  - Plan Implementation Schedule
- Written Erosion & Sediment Pollution Control Plans (E&S Plans) are required for Agricultural plowing and tilling (including “No Till” activities) and Animal Heavy Use Areas (AHUA)
- Current NRCS Conservation Plans with BMPs covering crop fields and AHUA may meet Chapter 102 requirements

# 25% Cover for Near Stream Fields

- Areas within 100 feet of a stream must maintain a minimum 25% plant cover or crop residue
- Crops such as corn silage with little post harvest residue will need additional BMPs within 100 ft of a stream
- Or specify other BMPs to protect these near stream areas



# Animal Heavy Use Areas (AHUAs)

- Animal Heavy Use Areas (AHUAs) are barnyards, feedlots, watering areas, exercise lots, etc.
  - These are non-pasture areas for animals outside of the barn
- Must prevent pollution to stream from AHUA runoff
- The Agriculture E&S Plan must include all AHUAs on the farm

# Proposed BMP Implementation Schedule

- Crop fields BMPs must be fully implemented over the crop rotation or 5 years
- AHUA plan must be developed within 2 years with another 3 years to fully implement under MMM



# “T” Over Rotation

- “T” = Soil Loss Tolerance
- RUSLE / RUSLE2 technology may be used to estimate soil loss under a certain management condition
- RUSLE = Revised Universal Soil Loss Equation
- NRCS-developed Conservation Systems Matrix. Rotations that include hay or other erosion resistant crops are conservative with respect to soil loss and may be assumed to meet T over the rotation. Operators planning a more intensive crop rotation will need to develop an Conservation Plan or Ag E&S Plan through a qualified planner.\*\*

# Proposed Manure Management Manual (MMM) Revisions

- Comment Period ended November 12, 2010
- Proposed Revisions Include:
  - Penn State Agronomy Guide references
  - Plan Format
  - Manure management on environmentally sensitive areas
  - Winter application restrictions
  - Pasture Management
  - Animal Concentration Areas (ACAs)



# MMM Revisions

- January – Review comments submitted / changes to MMM
- February – Present revised MMM to the Agricultural Advisory Board
- Spring 2011 – Published revised MMM
- Summer 2011 – Education / Outreach, Training

# Contract Performance Evaluations

- To date 22 districts have been evaluated
  - 4 Outstanding
  - 4 Commendable
  - 13 Satisfactory
  - 1 Needs Improvement

# Contract Performance Evaluations

## Common Problems Noted

1. Care should be taken to make sure standard forms are completely filled out. If a certain area is non-applicable, N/A should be included. Dates should be included after all signatures.
2. Landowner forms must be completed for each individual that receives cost share funding (*refer to: Administrative Manual for the SPFP - page 6-19*)

# Contract Performance Evaluations

## Common Problems Noted

3. Verification is needed for landowners not required to have an approved Act-38 nutrient management plan that they are, at a minimum, following DEP's Manure Management Manual. *(refer to: Administrative Manual for the SPFP - page 4).*
4. If ranking of applicants needs to occur because of a lack of sufficient funds, the department recommends that the ranking formula be approved by the County Conservation District Board of Directors. *(refer to: Administrative Manual for the SPFP - page 6, Section C)*

# CBP-23 Quarterly Reports

- CBP-23 (Quarterly Reports) should reflect all Best Management Practices (BMPs) that the district technician and/or specialist has worked on, not just those funded through the CBP program.
- If another program funded a project, please note that funding source (such as EQIP, Growing Greener, etc.)

# Chesapeake Bay Regulatory and Accountability Program (CBRAP)

- Additional Funds received from EPA
- Funds could only be used for Regulatory and Accountability efforts
- DEP hiring 4 new Field positions (1 NCRO, 1 NERO, 2 SCRO) and filling the CAFO Section Chief position in Central Office
- There is potential new money for CD's in the future

# Changes Under the Bay Watershed Implementation Plan (WIP)

- “Mind Set”
- Staff Activities
- Chesapeake Bay Implementation Grant

# Changing Role under the Bay WIP DEP

- More Education / Outreach visits
- More focus on Ag Compliance
- Increased inspection and enforcement with CBRAP staff
- Chesapeake Bay Field Reps
  - E&S and manure management activities
  - Untracked non-cost shared BMPs



# Changing Role under the Bay WIP Conservation Districts

- Bay Techs
- Ag Staff / E&S Staff

# Changing Role under the Bay WIP

## Bay Techs

- Compliance Policy
- Compliance assistance outreach
  - 100 farms per year per staff person
- Non cost share BMP data collection
  - NRCS, NACD, and EPA working on structure and method
  - Bradford / Lancaster County Pilots

# - DRAFT -

## Bradford CD BMP Pilot Study

### Ag BMPs (256 farms - 18% of all in County)

Survey Methods: Group Meetings (64), Contractor farm visit (64),

<b>Practice</b>	<b>Reported</b>	<b>% Not Cost Shared</b>
No Till	6,039 ac	85%
Cover Crop	3,335 ac	74%
Manure Storage	81	43%
Barnyard Treatment	61	48%
No Nutrient Application	10,347ac	n/a
Nutrient Management Plan	98	n/a
Conservation Plan	145	n/a
Stream Fencing	79 farms / 339 ac	51%
Rotational Grazing	74 farms / 4,679 ac	88%

### Urban BMPs (45 of 51 Municipalities Responded)

<b>Practice</b>	<b>Reported</b>
Dirt and Gravel Roads	108,100
Stream Bank Protection	6,245
Street Cleaning	1,092,696
Municipal Sewage Connections	5,709

# Changing Role under the Bay WIP

## Other CD Staff

- Revisions to Delegation Agreements and Required Output Measures (ROMs)
  - Due to agriculture Chapter 102 requirements
- District Compliance Policies
  - Model compliance Policy to be developed

# Changing Role under the Bay WIP

## Nutrient Management Techs

- Seek additional funding from EPA for these positions
- Revisions to Delegation Agreements and Required Output Measures (ROMs)
  - Due to Chapter 91.36 and Manure Management Manual revisions

# Changing Role under the Bay WIP NRCS

- Technical Service Provider (TSP) Agreements with 14 Conservation Districts
- Conewago Creek “Showcase” Watershed
- Lancaster County Plain Sect outreach position
- Additional BMP funding

# Changing Role under the Bay WIP

## PENNVEST

- Additional funding source in 2010 and beyond
- Creation of a Non-point Source Circuit Rider to assist with PENNVEST NPS applications

# Changing Role under the Bay WIP Funding

- NRCS CBWI - \$ 9,639,688
- NRCS EQIP - \$ 12,750,000
- PENNVEST - \$ 17,149,296 (awarded in 2010)
- Others – Growing Greener, 319, NFWF, REAP, CREP, CRP, CSP, etc.

**BMP Funds Available**  
**– But YOU have to find'em -**



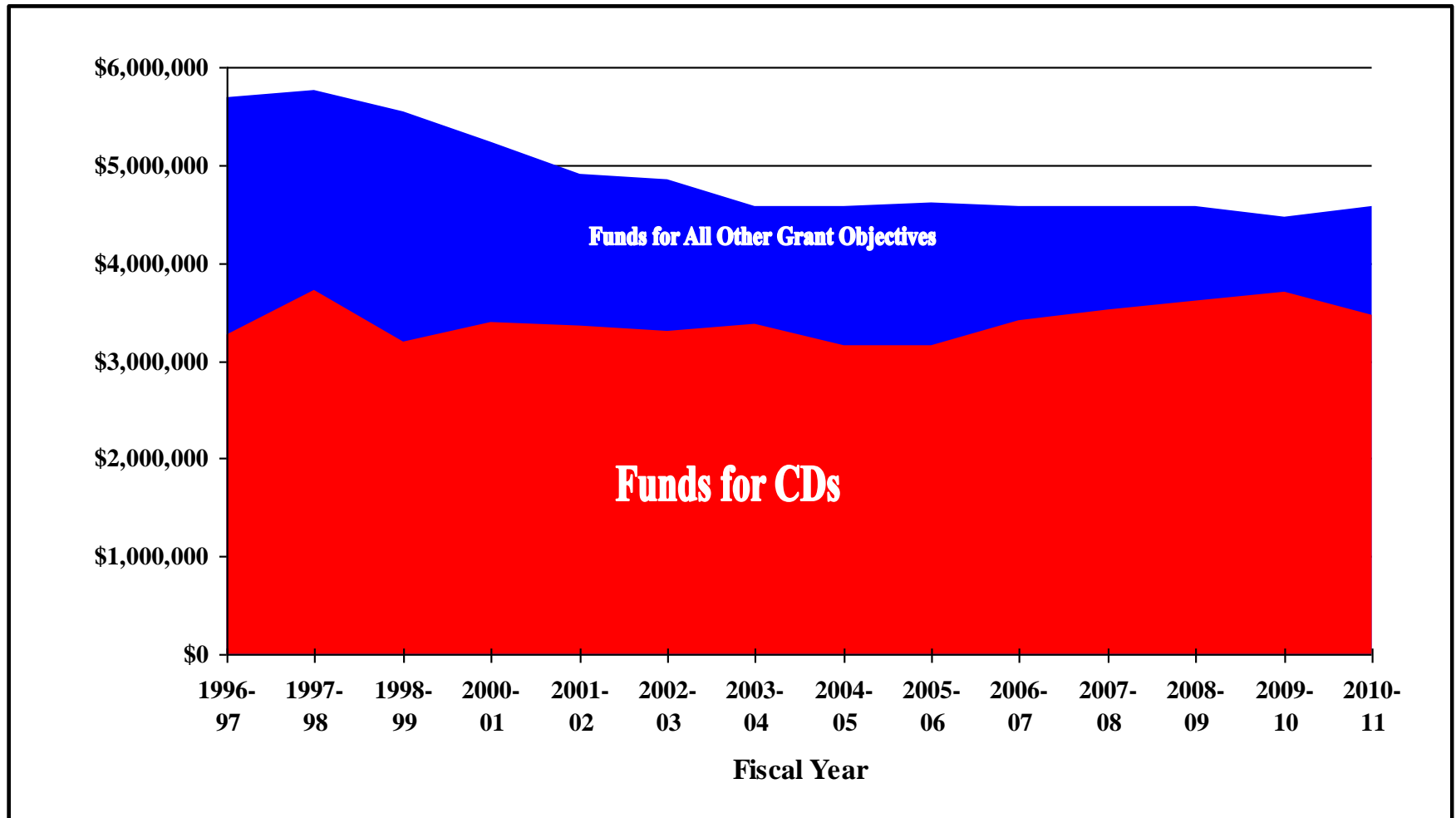
# Chesapeake Bay Implementation Grant

## 2010-11 Budget

<b><u>Objective</u></b>	<b><u>Federal</u></b>	<b><u>State</u></b>	<b><u>Total Budget</u></b>
<b>Program Management</b>	<b>\$ 44,051</b>	<b>\$ 826,980</b>	<b>\$ 871,031</b>
<b>TMDL Development (SRBC)</b>	<b>\$ 205,500</b>		<b>\$ 205,500</b>
<b>Chesapeake Bay Education Office (PACD)</b>	<b>\$ 32,200</b>		<b>\$ 32,200</b>
<b>Technical Assistance: Conservation District Technicians and Engineers</b>	<b>\$ 1,176,218</b>	<b>\$ 1,460,020</b>	<b>\$ 2,636,238</b>
<b>BMP Implementation: Conservation District Projects, DEP Stream Bank Fencing/BMPs</b>	<b>\$ 829,031</b>		<b>\$ 829,031</b>
<b>TOTAL</b>	<b>\$ 2,287,000</b>	<b>\$ 2,287,000</b>	<b>\$ 4,574,000</b>

# Chesapeake Bay Implementation Grant

FY 2010-11 = \$4.574 Million

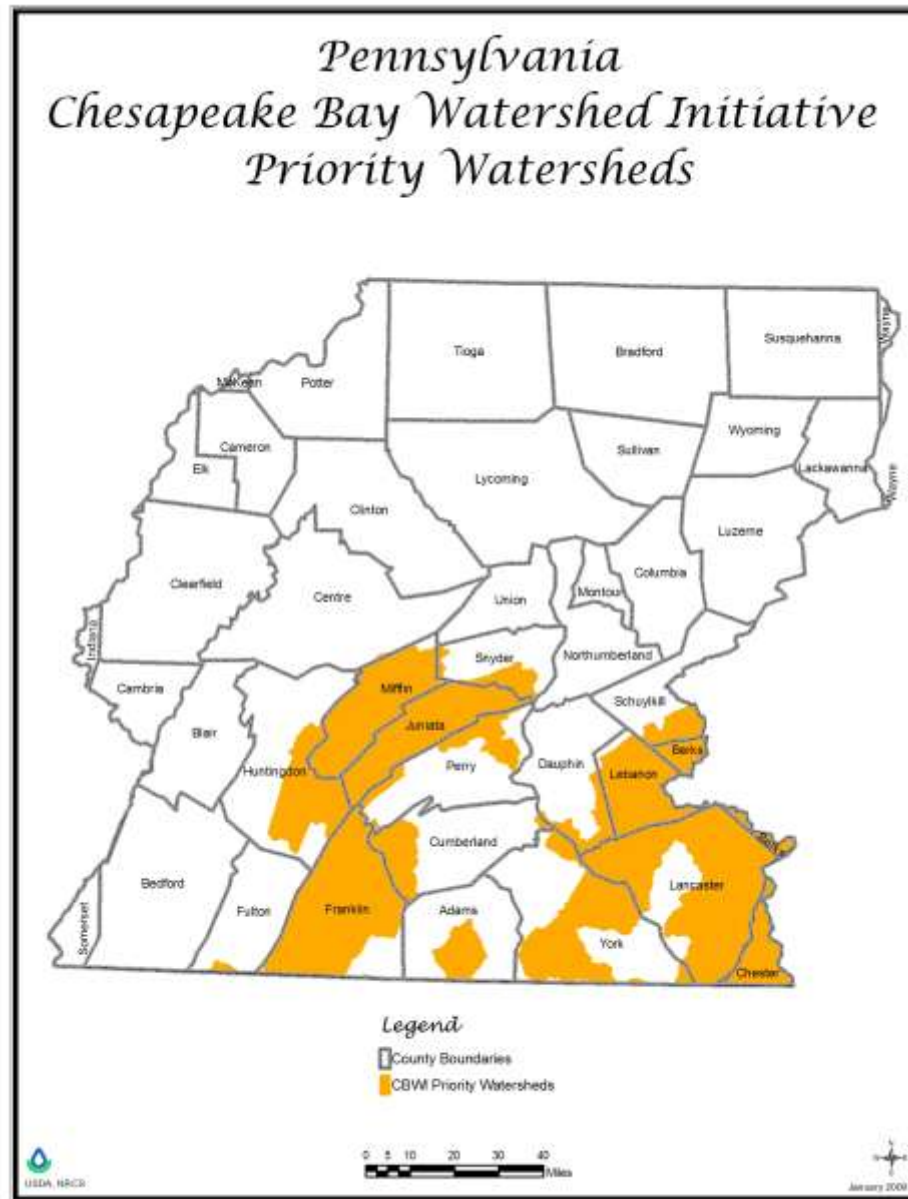


# 2011-12

## Special Project Funding Priorities

- Staff support of NRCS
- Priority to EPA Priority Watershed
- “Core Four”
  - No-Till
  - Buffers
  - Cover Crops
  - Planning (Conservation and Nutrient Management)
  - Streambank Fencing

# EPA Priority Watersheds



# Questions

