Chesapeake Bay

BMP Type and

Infracking and Verification:

- Land acres
- Remote Sensing, **NASS Crop land**

- · BMP types and efficiencies
- Land use change (BMPs, others)
- RUSLE2 Data: % Leaf area and residue cover

 % Bare soil. available to erode

/ironmental information National

- Vield
- Animal Numbers (Ag Census or state supplied)
- Land applied biolsolids
- Septic system (#s)
- Crop application rates and timing
 - Katherine Antos

Water Quality Coordinator

U.S. EPA Chesapeake Bay Program Office

- Animal manure to crops
- N fixat Attachment B

Water Quality Goal Implementation Team July 6, 2010

chemical Animal factors (weight Network Certilizer Network) (lb/segment)

- N fixation (lb/segment)
- Septic loads

Myths and Facts About BMP Tracking

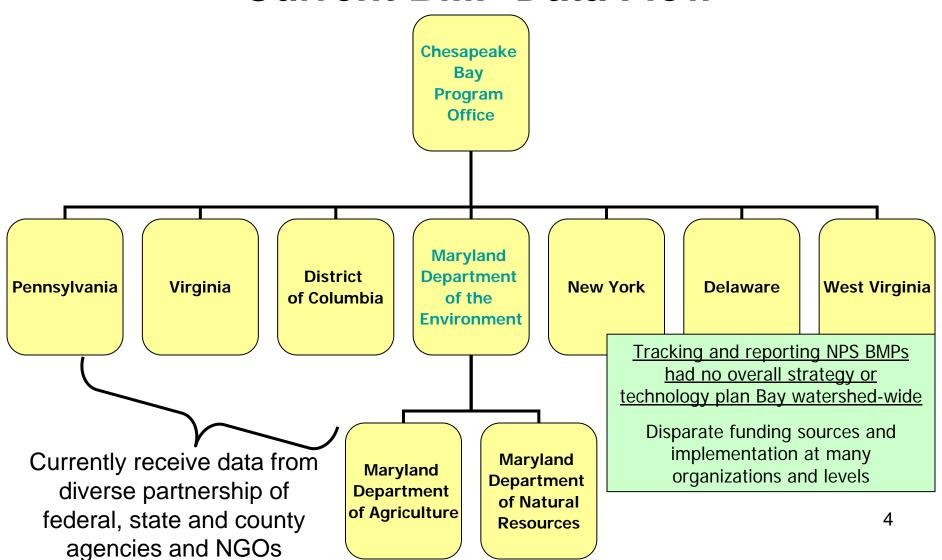
- Myth: No credit for new practices
- Fact: False—follow the CBP protocol=>to receive credit for new approved practice
- Myth: EPA won't credit previously unreported, recent practices
- Fact: False—practices that meet EPA expectations for tracking and verification and were implemented after 2005 will receive credit
- Myth: Practices reported by non-governmental organizations won't be credited
- Fact: False—if NGOs connect to NEIEN via the appropriate state and meet EPA expectations for tracking and verification, will receive credit

Tracking and Verification Take- Home

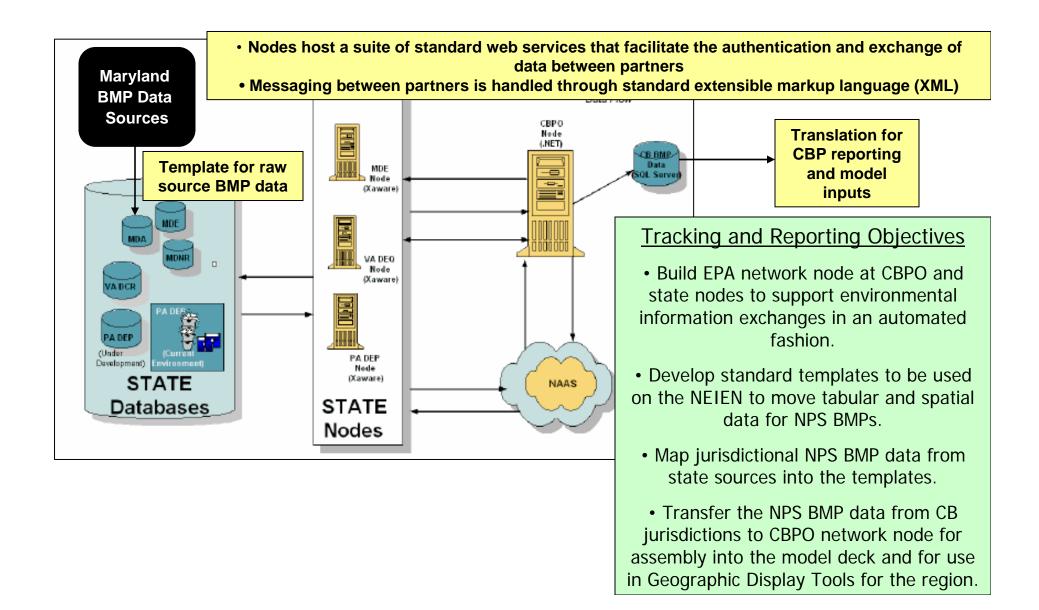
- BayTAS being developed to use NEIEN as primary source of non-WWTP BMP data
- BayTAS will incorporate verification
- BayTAS will be used to track TMDL and 2year milestone progress
- Jurisdictions will not receive full credit for implementation actions if they are not using NEIEN or demonstrating verification

What is NEIEN?

Current BMP Data Flow



Future BMP Data Flow: NEIEN



Why Use NEIEN?

- Chesapeake Bay Implementation Grant Guidance
- WIP Expectations
- Scenario Builder Version 3.0
 - Conversion of NEIEN BMP exchange data into Scenario Builder formats
- Bay TMDL Tracking System
 - Will be compatible w/ ChesapeakeStat and Chesapeake Registry

When to Use NEIEN?

- Chesapeake Bay Program will use only NEIEN for non-WWTP data in the 2010 Progress Run due December 31, 2010
- Work with TetraTech, TreCom and Chesapeake Bay Program now to ensure NEIEN is fully operational

Questions

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