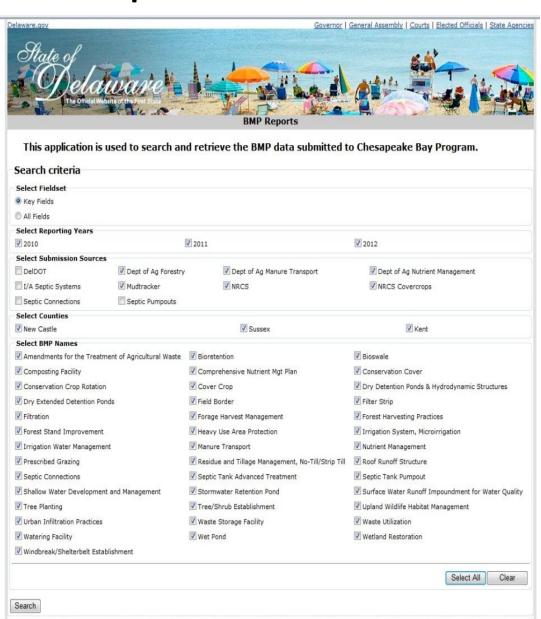


## Background

- Data on implementation is tracked/reported to the Chesapeake Bay Program
- Submitted every Dec 31<sup>st</sup> for projects implemented between July 1 and June 30 to receive credit toward progress of water quality goals
- Delaware began mapping data in the NEIEN schema in 2010
- Data is submitted in an XML document through DNREC's network node
- Once data is submitted through NEIEN it is entered into the Nutrient and Sediment Scenario Builder which creates input scenarios for the Watershed Model

## **BMP Data Reported:**

 Data submitted through the network node can be downloaded/reviewed through Intranet website by staff



# Sources of Implementation Data to Develop Report

## **Agriculture**

- USDA-NRCS & FSA
- New Castle Conservation District (NRCS)
- Kent County Conservation District
- Sussex Conservation District
- Delaware Department of Agriculture, Nutrient Management Program
- Delaware Department of Agriculture, Forest Service

### **Restoration BMPs**

DNREC, Watershed Assessment

#### **Stormwater**

- DNREC, Sediment and Stormwater Program
- DelDOT
- Kent Conservation District
- Sussex Conservation District
- New Castle County
- Town of Middletown

### **Onsite Wastewater**

 DNREC, Groundwater Discharges Section

## Agriculture

- BMP's through cost share programs are reported
- NRCS cover crop program has been modified:
  - Planting date/species aligned with highest value
  - Offer one year contracts instead of three by producer request
- Worked with Tetra Tech to format NRCS and other agriculture data for NEIEN 2010/2011 submissions

### Issues:

- Non-cost share practices are not tracked
- CB Model descriptions do not align directly with NRCS practices
- Not all practices receive credit for BMP efficiency
- Data is summarized at watershed scale

## **Onsite Wastewater**

- Currently reporting pump-outs (based on inspections), sewer connection, and innovative/alternative systems
- Pending regulations:
  - Statewide mandatory inspection/pump-out during property transfer
  - Cesspools/unsatisfactory systems have to be replaced meeting regulation
  - All waste haulers must submit quarterly reports
  - Advanced Treatment within 1,000' of tidal water/ tidal wetland for new & replacement systems

#### Issues:

- Want to get Large Systems into the model
- Begin to track system abandonments using GIS in Sussex County

## Stormwater

- Tracked through "Mudtracker"
  - Combination of data from partners

## Issues:

- Terminology (State vs. CB Model)
- Missing fields (years, area, number, etc)

## What BMP's are not being tracked?

- BMP's implemented voluntarily by farmers, homeowners, businesses, etc
- Projects by non-profit organizations
- Projects not paid by state or federal funds

# Challenges to Obtaining Implementation Data

- Small, understaffed groups who work out in the field have to balance demands with their specific job duties
- Privacy issues-Agriculture
- Databases under development, much time and effort needed to fill in back data/update

# How are we improving tracking/reporting?

- Move away from paper filing to electronic databases
  - Easier to quality check
  - Central location of data
  - Power of querying
- Training staff
  - Better database management/creation
  - Chesapeake Bay Model
- Have staff whose priority is to update databases
  - Contractual/Part-time
- Work together

# Questions?