Agriculture Workgroup's Draft Agricultural BMP Verification Guidance

Chesapeake Bay Program Partnership's
BMP Verification Review Panel Meeting
US Fish & Wildlife Service Field Office
Annapolis, Maryland
April 1, 2014

Agriculture BMP Verification

- Defining and Categorizing Agricultural BMPs
  - Four generalist BMP categories based on respective life spans or permanence on the landscape, as well as physical presence.

    - **Annual BMPs**
    - **Structural BMPs**
    - **Management Plan BMPs- Plans**
    - **Management Plan BMPs- Practices**

Agriculture BMP Verification

- Defining Implementation Mechanisms
  - Four generalist categories of BMP based on funding sources of implementation and levels of oversight.

    - **Cost-Shared BMPs**
    - **Non-Cost Shared BMPs**
    - **Regulatory Programs**
    - **Permit-Issuing Programs**

Agriculture BMP Verification

- Agricultural BMP Verification Methods
  - Eight verification methods based on source of implementation, oversight, verification process, and entity involved.

    - **Permit-issuing Programs**
    - **Regulatory Programs**
    - **Financial Incentive Programs**
    - **Farm Inventory**
    - **Office/Farm Records**
    - **Transect Survey**
    - **Agency-sponsored Surveys**
    - **Remote Sensing**

Agriculture BMP Verification

- Guidance for Agricultural Verification Protocols
  - Three supporting verification guidance documents for the development of agricultural verification protocols.
    - **Agricultural Verification Guidance**: base reference document providing verification protocol development guidance
    - **Agricultural Verification Guidance Matrix**: quick reference document supplemental to the Agricultural Verification Guidance document
    - **Agricultural BMP Implementation Verification Supporting Information**: background verification reference document developed by Tetra Tech for the workgroup

Agriculture BMP Verification

- Tailoring Agricultural BMP Protocols
  - Ensuring adequate data confidence and equity within and across the four implementation mechanism categories.

    - **Verification Methods**
    - **Operation and Maintenance**
    - **Existing Program Verification Protocols**
    - **Record Reviews vs. Visual Inspections**
    - **Technical Training**
    - **BMP Installation Verification**
    - **Verification Frequency Cycle**
    - **Jurisdictional Verification Priorities**
    - **Jurisdictional Data Validation**
    - **BMP Offsets, Mitigation, and Trading**