



# Perspectives on Verification

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# Key Questions and Issues

- Is it best to build on existing methods?
- Who is responsible?
- How do we deal with cutoff, lifespan and other model issues?
- How long do we have?
- What's it going to cost?
- What's the balance with implementation?
- If it ain't broke....

# Quality Assurance Project Plan

- This Quality Assurance Project Plan: .....  
assure that data generated by the Virginia  
Department of Conservation and  
Recreation's Division of Stormwater  
Management are of acceptable quality to  
meet the needs of the United States  
Environmental Protection Agency's  
Chesapeake Bay Program Office (EPA-  
CBPO).

# Agriculture

**Appendix 1**  
**Table 2**  
**Summary of BMP Spot Check Results**

Spot Check summary for PY 2010 (July 1, 2009 through June 30, 2010)

| Region of VA   | # of BMPs checked | # of BMPs OK | # of BMPs not maintained properly & needing re-inspection after maintenance | # of BMPs requiring Additional Follow up |
|----------------|-------------------|--------------|---|--|
| Abington       | 58                | 45           | 13  | 0  |
| Christiansburg | 71                | 67           | 4   | 5  |
| Richmond       | 42                | 35           | 7   | 1  |
| Staunton       | 58                | 46           | 8   | 0  |
| Suffolk        | 42                | 42           | 0   | 1  |
| Tappahannock   | 64                | 63           | 1   | 0  |
| Warrenton      | 78                | 71           | 7   | 0  |

|                             |               |            |               |              |               |
|-----------------------------|---------------|------------|---------------|--------------|---------------|
|                             | <b>Totals</b> | <b>355</b> | <b>324</b>    | <b>27</b>    | <b>7</b>      |
| <b>% of Total Inspected</b> |               |            | <b>91.27%</b> | <b>8.33%</b> | <b>25.93%</b> |



# Agriculture – Resource Management Plans

- Includes a complete list of the BMPs the owner or operator agrees to implement and maintain.
- Onsite inspections no less than once every three years.
- Provide documentation to verify the implementation of the RMP.
- RMPs can include cost-shared and non-cost shared practices, all become part of the RMP and are verified for the life (9 years) of the plan.

# Urban

- Virginia Stormwater Management Program (VSMP)
  - “The VSMP authority shall require the provision of long-term responsibility for and maintenance of stormwater management facilities and other techniques specified to manage the quality and quantity of runoff. Such requirements shall be set forth in an instrument recorded in the local land records prior to state permit termination or earlier as required by the VSMP....

# Urban

- VSMP

- “The VSMP authority shall establish an inspection program that ensures that stormwater management facilities are being adequately maintained as designed after completion of land-disturbing activities.”

# Urban: Construction General Permit

- “Necessary permanent control measures included in the SWPPP for the site are in place and functioning effectively and final stabilization has been achieved on all portions of the site for which the operator is responsible. When applicable, long term responsibility and maintenance requirements shall be recorded in the local land records prior to the submission of a notice of termination.”



# Urban: MS4 regulations

Programs must include elements to:

- “Operate and maintain structural stormwater controls”
- Implement an inspection program to enforce ordinances, which prohibit illicit connections and illegal dumping into the MS4
- Screen the MS4 for illicit connections and illegal dumping
- Implement standard investigative procedures to identify and terminate sources of illicit connections or discharges

# Nutrient Credits: Inspection

- (The Department may) Enter the management area including the premises where the nutrient credit-generating entity is located and where records are kept in accordance with this chapter or the nutrient credit certification. Records to be retained include the approved implementation plan, operations and maintenance plan, and, if required, confirmation of financial assurance documents.

# Nutrient Credits: Reporting

- Each owner shall submit an annual report on the status of the nutrient credit-generating entity operations including credit generating practices, confirmation of the continued implementation and maintenance of practices required to establish baseline in accordance with 9VAC25-900-100, and an up-to-date credit ledger detailing credits available for exchange, credits exchanged and associated purchaser information.

# Wastewater

- Monitoring for compliance with effluent limitations shall be performed in a manner identical to that used to determine compliance with effluent limitations established in the individual VPDES permit.

# Wastewater

- On or before February 1, annually, each permittee shall file a discharge monitoring report with the department identifying the annual mass load of total nitrogen and the annual mass load of total phosphorus discharged by the permitted facility during the previous calendar year.



# Contact Information

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