

NPDES/VPDES STORMWATER PHASE II FINAL RULE
IMPLEMENTATION OF SELECTED MINIMUM CONTROL MEASURES
FOR ALBEMARLE COUNTY

JANUARY 1, 2005 – DECEMBER 31, 2006

BACKGROUND

The Federal Clean Water Act requires that stormwater discharges from certain types of facilities be authorized under the National Pollutant Discharge Elimination System (NPDES) Stormwater Permits Program. Under the NPDES Stormwater Phase II Final Rule (published Dec. 8, 1999), Albemarle County's stormwater discharges are regulated through this permit program. Effective March 13, 2003, Albemarle County became registered under the Department of Environmental Quality's Virginia Pollution Discharge Elimination System (VPDES) General Permit to comply with the Phase II Rule. (In Virginia, the DEQ is the NPDES Permitting Authority.) The permit mandates the implementation of programs and practices to control stormwater runoff. In particular, the County's Stormwater Management Program must incorporate the following six "minimum control measures":

1. Public Education and Outreach on Stormwater Impacts
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management in New Development and Re-Development
6. Pollution Prevention/Good Housekeeping for Municipal Operations

Albemarle County's VPDES Registration Statement (February 25, 2003, revised May 12, 2003) details the County's existing programs that satisfy these minimum control measures, and it provides a proposal for the necessary stormwater program enhancements for compliance.

PROGRAM NEED

For many years, the Thomas Jefferson Soil and Water Conservation District (TJSWCD) has worked closely with their four member localities developing programs and implementing activities which are closely related to many of the required control measures. As a regional entity, the TJSWCD can provide a consistent, comprehensive approach to these components of stormwater management programs. While Albemarle County has staff resources dedicated to many components of their stormwater management permit requirements, there are other components that could be implemented more efficiently and cost-effectively by the TJSWCD. These program elements can be combined with the existing mission, current services, and current staff training programs of the TJSWCD. In particular, the TJSWCD proposes to assist Albemarle County with the implementation, tracking, evaluation and reporting for three of the six minimum control measures.

PROGRAM OBJECTIVES

The TJSWCD's objective is to develop and implement Stormwater Management Program components that support the following minimum control measures required of Albemarle County under their Phase II permit:

1. Public Education and Outreach on Stormwater Impacts
2. Public Involvement/Participation
3. Illicit Discharge Detection and Elimination

The following tables detail the proposed activities and implementation goals that will address these control measures. Attachment A provides details from Albemarle County's VPDES Registration Statement (February 25, 2003, revised May 12, 2003) documenting the County's commitments for these three control measures.

ATTACHMENT A

Implementation Schedule, Minimum Control Measures 1-3, from VPDES General Permit Registration Statement From Small Municipal Separate Storm Sewer Systems (9 VAC 25-750-10 et seq.), February 25, 2003, Revised May 12, 2003, Albemarle County, Virginia

1. Public Education & Outreach on Stormwater Impacts

Target Date (End of Year)	Activity	Measurement	Responsible Party
Year 1	<p>1.1.1 Continue distribution of fact sheets & brochures</p> <p>1.1.2 Continue education at County BMP demo areas</p> <p>1.1.3 Continue to deploy stream buffer signs</p> <p>1.1.4 Continue water presentations</p> <p>1.1.5 Meet with partners (Charlottesville, VDOT, UVA, RWSA) to develop list of targeted audiences and collaborative programs</p> <p>1.1.6 Identify individual(s) responsible for education program</p> <p>1.1.7 Begin the development of stormwater educational information</p> <p>1.1.8 Develop a stormwater education website</p>	<p># distributed (target = 100)</p> <p># education tours (target = 2)</p> <p># signs deployed (target = 20)</p> <p># presentations (target = 5)</p> <p>At least 3 meetings in Year 1</p> <p>parties identified</p> <p>list of contacts and activities</p> <p>website initiated</p>	Department of Engineering & Public Works
Year 2	<p>1.2.1 Continue programs from Year 1</p> <p>1.2.2 Continue meetings with partners to refine and produce educational messages and media</p> <p>1.2.3 Begin to disseminate educational message</p> <p>1.2.4 Meet with school curriculum personnel to dovetail stormwater and water quality education with SOLs</p> <p>1.2.5 Stormwater website</p>	<p># brochures distributed (target = 200)</p> <p># education tours (target = 2)</p> <p># signs deployed (target = 30)</p> <p># presentations (target = 5)</p> <p>at least 3 meetings</p> <p># distributed & description of type (target = 200 total)</p> <p>Report on meeting and plan</p> <p>Website complete & maintained</p>	
Year 3	<p>1.3.1 Continue programs</p> <p>1.3.2 Evaluate stormwater public education program, and evaluate public school education partnership</p>	<p># distributed & description of type (target = 300 total)</p> <p># education tours (target = 2)</p> <p># signs deployed (target = 30)</p> <p># presentations (target = 5)</p> <p>Report on evaluation</p>	

Year 4	1.4.1 Continue program, implement revisions as necessary.	# distributed & description of type (target = 300 total) # education tours (target = 2) # signs deployed (target = 30) # presentations (target = 5)	
Year 5	1.5.1 Continue program and evaluate overall program.	# distributed & description of type (target = 400 total) # education tours (target = 2) # signs deployed (target = 30) # presentations (target = 5) report on evaluation	

2. Public Involvement & Participation

Target Date (End of Year)	Activity	Measurement	Responsible Party
Year 1	2.1.1 Evaluate opportunities for public involvement and develop a strategy for involving the public in program elements 2.1.2 Work with citizen committee and/or staff in conjunction with Development Area Master Plan	report on progress towards public involvement strategy # of meetings held with committee and/or staff (target = 2)	Department of Engineering & Public Works
Year 2	2.2.1 Set up inlet stenciling and outfall inspection programs with volunteers and stream groups. Develop GIS tracking tool. 2.2.2 Work with citizen committee in conjunction with Development Area Master Plan 2.2.3 Work with relevant agencies and partners to begin planning for hotline and tracking system for water complaints	# meetings (target = 2) & list of partners; GIS layers established # meetings held with committee (target = 3) # meetings with partners (target = 2); progress report for hotline & tracking system	
Year 3	2.3.1 Implement inlet stenciling and outfall inspection programs 2.3.2 Work with citizen committee in conjunction with Development Area Master Plan 2.3.3 Implement hotline and tracking system for water complaints	# of inlets stenciled (target = 40) & outfalls inspected (target = 20% of total inventoried) # of meetings with committee (target = 2) # calls to hotline & response report	

Year 4	2.4.1 Continue program, implement revisions as necessary.	# inlets stenciled (target = 50) & outfalls inspected (target = 40% of total) # meetings (target = 2) # calls to hotline & response report	
Year 5	2.5.1 Continue program and evaluate overall program.	# inlets stenciled (target = 50) & outfalls inspected (target = 40% of total) # meetings (target = 2) # calls to hotline & response report report on evaluation	

3. Illicit Discharge Detection & Elimination

Target Date (End of Year)	Activity	Measurement	Responsible Party
Year 1	3.1.1 Begin scoping task of compiling map of public and related private storm sewer system in GIS format 3.1.2 Initiate illicit discharge ordinance development 3.1.3 Begin process of forming Stormwater Enforcement Task Force	Plan and/or contract for mapping Status of ordinance development process Progress report on task force formation	Department of Engineering & Public Works
Year 2	3.2.1 Develop protocols and methods for inlet stenciling and outfall inspection program 3.2.2 Begin storm system mapping in phases. Prioritize areas for potential pollution problems 3.2.3 Develop GIS tracking tools 3.2.4 Finalize ordinance enactment 3.2.5 Finalize Stormwater Enforcement Task Force	Protocols and methods developed Status of mapping and GIS layers (target = 10% of MS4) GIS tool completion Ordinance enacted Task Force formed	

<p>Year 3</p>	<p>3.3.1 Implement inlet stenciling and outfall inspection programs.</p> <p>3.3.2 Investigate effectiveness of household hazardous waste collection program</p> <p>3.3.3 Continue storm sewer mapping and GIS development</p> <p>3.3.4 Continue ordinance enforcement by Task Force</p>	<p># of inlets stenciled (target = 40) & outfalls inspected (target = 20% of total inventoried)</p> <p>evaluation + tons of material collected</p> <p>Status of mapping and GIS layers (target = 50% of MS4)</p> <p># of enforcement actions by task force</p>	
<p>Year 4</p>	<p>3.4.1 Complete storm sewer mapping and GIS</p> <p>3.4.2 Continue programs from previous years</p>	<p>Mapping & GIS complete</p> <p># of inlets stenciled (target = 50) & outfalls inspected (target = 40% of total inventoried)</p> <p>see above for other programs</p>	
<p>Year 5</p>	<p>3.5.1 Continue program and evaluate overall program.</p>	<p># of inlets stenciled (target = 50) & outfalls inspected (target = 40% of total inventoried)</p> <p>see above, plus report on evaluation</p>	