



# County of Roanoke

DEPARTMENT OF COMMUNITY DEVELOPMENT

DIRECTOR, ARNOLD COVEY  
DEPUTY DIRECTOR OF DEVELOPMENT SERVICES, TAREK MONEIR  
DEPUTY DIRECTOR OF PLANNING, PHILIP THOMPSON

BUILDING PERMITS/ INSPECTIONS  
DEVELOPMENT REVIEW  
ENGINEERING  
ENVIRONMENTAL MANAGEMENT  
PLANNING & ZONING  
TRANSPORTATION

March 25, 2013

Mr. Mason Harper  
Department of Conservation and Recreation  
900 East Main Street, 8<sup>th</sup> Floor, Pocahontas Building  
Richmond, VA 23219-3558

Re: Registration Statement for VSMP General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4s) Permit Number VAR04002

Dear Mr. Harper:

The package attached includes the following items:

- Signed Registration Statement;
- Table 1: List of watersheds, HUCs, impaired receiving waters, and Drainage Area for streams within the Urbanized Area of the County of Roanoke;
- Table 2: List of TMDL streams and respective Waste Load Allocations (WLAs); and,
- Program Plan as revised to illustrate the changes in the Outfall Reconnaissance Schedule, new TMDL WLAs, and the change to only include the 2010 U.S. Census Urbanized Areas within the limits of the Regulated MS-4 Area.

If you have any questions regarding the submitted documents, please contact David Henderson, County Engineer, at 540-772-2083.

Sincerely,

Arnold Covey

Director

Department of Community Development



Department of Conservation & Recreation  
CONSERVING VIRGINIA'S NATURAL & RECREATIONAL RESOURCES

### VSMP GENERAL PERMIT REGISTRATION STATEMENT FOR STORMWATER DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS [VAR04]

(Please Type or Print All Information)

(The applicable fee specified in Form DCR 199-145 must additionally be submitted to the address given in that form to obtain coverage)

**1. Regulated Small MS4**

Name: The County of Roanoke

Type:  City  County  Incorporated Town  Unincorporated Town  College or University  
 Local School Board  Military Installation  Transport System  Federal or State Facility  Other

Location (County or City): Roanoke County, Virginia

**2. Regulated Small MS4 Operator**

Name: The County of Roanoke, Virginia

Address: 5204 Bernard Drive, PO Box 29800

City: Roanoke State: VA Zip: 24018-0798

**3. Hydrologic Unit Code(s) as identified in the most recent version of Virginia's 6th Order National Watershed Boundary Dataset currently receiving discharges or that have potential to receive discharges from the regulated small MS4:**

RU05, RU09, RU10, RU11, RU12, RU13, RU14, RU15 Note: Unlike previous registration statements, this list includes only the urbanized areas defined by the 2010 U.S. Census and not the entire County.

**4. Attach a description of the estimated drainage area, in acres, served by the regulated small MS4 discharging to any impaired receiving surface waters listed in the most recent Virginia 305(b)/303(d) Water Quality Assessment Integrated Report, and a description of the land use of each such drainage area. See Table 1 (Attached) and the Watershed Summary Page 4 of the MS4 Program Plan**

**5. Any TMDL waste loads allocated to the regulated small MS4 (this information may be found at <http://www.deq.state.va.us/tmdl/develop.html>): See Table 2, Attached to this document**

**6. The name(s) of any regulated physically interconnected MS4s to which the regulated small MS4 discharges. City of Roanoke, City of Salem, Town of Vinton, Virginia Department of Transportation (VDOT), Botetourt County**

**7. A copy of the MS4 Program Plan that includes:**

**a. A list of BMPs that the operator proposes to implement for each of the stormwater minimum control measures and their associated measurable goals pursuant to 4VAC50-60-1240, Section II B; that includes:**

**i. A list of the existing policies, ordinances, schedules, inspection forms, written procedures, and other documents necessary for BMP implementation; and**

**ii. The individual, department, division, or unit responsible for implementing the BMP;**

**b. The objective and expected results of each BMP in meeting the measurable goals of the stormwater minimum control measures;**

**c. The implementation schedule including any interim milestones for the implementation of a proposed new BMP; and**

d. The method that will be utilized to determine the effectiveness of each BMP and the program as a whole.

8. List all existing signed agreements between the operator and any applicable third parties where the operator has entered into an agreement in order to implement minimum control measures or portions of minimum control measures.

Clean Valley Council Cooperative Agreement, See Supporting Documents (Attached CD)

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9. The name, address, telephone number and e-mail address of either the principal executive officer or ranking elected official as defined in 4VAC50-60-370.

County Administrator, B. Clayton "Clay" Goodman III

5204 Bernard Drive, Roanoke, VA 24018

(540) 772-2004 cgoodman@roanokecountyva.gov

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10. The name, position title, address, telephone number and e-mail address of any duly authorized representative as defined in 4VAC50-60-370.

Arnold Covey, Director of Community Development

5204 Bernard Drive, Roanoke, VA 24018

(540) 776-7111 acovey@roanokecountyva.gov

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11. **Certification:** "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations."

Print Name: B. Clayton "Clay" Goodman, III

Title: County Administrator

Signature: B. Clayton Goodman, III

Date: 3-22-13

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**For Department of Conservation and Recreation Use Only**

Accepted/Not Accepted by: \_\_\_\_\_ Date: \_\_\_\_\_

Basin \_\_\_\_\_ Stream Class \_\_\_\_\_ Section \_\_\_\_\_ Special Standards \_\_\_\_\_

Table 1. Roanoke County Watershed HUCs, Impaired Receiving waters, and Drainage Areas

Watershed	HUC	Impaired Receiving Waters	MS-4 Urbanized Watershed Drainage Area (Ac)
Back Creek	RU15	Back Creek	3,750
Barnhardt Creek	RU14	Roanoke River	830
Big Bear Rock Branch	RU09	Roanoke River	1,039
Bowman Hollow	RU09	Roanoke River	162
Butt Hollow Creek	RU09	Roanoke River	499
Callahan Branch	RU09	Roanoke River	763
Carvin Creek	RU12	Carvin Creek	1,672
Cole Hollow Branch	RU09	Roanoke River	168
Cook Creek	RU13	Glade Creek	679
Cove Hollow	RU09	Roanoke River	4
Deer Branch	RU12	Carvin Creek	2,191
Dixie Caverns	RU09	Roanoke River	44
Dry Branch	RU09	Roanoke River	489
Dry Hollow	RU09	Roanoke River	221
Garnand Branch	RU14	Roanoke River	343
Gish Branch	RU10	Mason Creek	282
Glade Creek	RU13	Glade Creek	1,688
High School Branch	RU09	Roanoke River	46
Lick Run	RU13	Lick Run	328
Mason Creek	RU10	Mason Creek	357
Mill Branch	RU09	Roanoke River	80
Mill Creek	RU09	Roanoke River	461
Mudlick Creek	RU14	Mudlick Creek	3,995
Murray Run	RU14	Murray Run	798
Ore Branch	RU14	Ore Branch	883
Paint Bank Branch	RU09	Roanoke River	169
Peters Creek	RU14	Peters Creek	1,625
Roanoke River & Unnamed Tributaries	RU05, 09, 14&16	Roanoke River	2,101
Snyders Branch	RU09	Roanoke River	201
Stypes Branch	RU09	Roanoke River	267
Tinker Creek	RU11	Tinker Creek	2,687
Twelve O'Clock Branch	RU09	Roanoke River	557
West Dry Branch	RU09	Roanoke River	69
West Tinker Creek	RU13	Lick Run	141
Wolf Creek	RU14	Roanoke River	1,471

Note: Please see page 7 of the program plan for a description of the land use for each impaired watershed.

**Table 2: Wasteload Allocations for Roanoke County Watersheds with Completed TMDL's**

<b>TMDL Waterways and Impaired Tributaries*</b>	<b>Year Completed</b>	<b>Parameter</b>	<b>WLA</b>
<i><b>Tinker Creek Watershed</b></i>	2004	<b>E-Coli</b>	
Carvin Creek			4.07E+12 (colony forming units/yr)
Glade Creek			8.02E+10 (colony forming units/yr)
Lick Run			3.29E+09 (colony forming units/yr)
Tinker Creek			5.36E+11 (colony forming units/yr)
<i><b>Roanoke River Watershed</b></i>	2006	<b>E-Coli</b>	
Ore Branch			1.07E+09 (colony forming units/yr)
Roanoke River			2.84E+11 (colony forming units/yr)
<i><b>Roanoke River Watershed</b></i>	2006	<b>Sediment</b>	
Roanoke River			1,823 (tons/yr)
<i><b>Roanoke River Watershed</b></i>	2009	<b>PCBs</b>	
Roanoke River			47.9 (mg/yr)
Masons Creek			0.1 (mg/yr)
Peters Creek			4.7 (mg/yr)
Tinker Creek			38.4 (mg/yr)

Wolf Creek			10 (mg/yr)
Unnamed Trib to Roanoke River			0.5 (mg/yr)

\*This information is based upon DEQ list of approved and draft TMDL's at <http://www.deq.state.va.us/tmdl/develop.html> for streams located within the urbanized portion of Roanoke County as defined by the 2010 U.S. Census