



## DUMFRIES, VIRGINIA

Virginia's Oldest Continuously Chartered Town  
CHARTERED 1749 INCORPORATED 1961

17755 Main Street  
Dumfries, Virginia 22026-2386  
Tel: 703-221-3400 / Fax: 703-221-3544  
[www.dumfriesva.gov](http://www.dumfriesva.gov)

01 October 2013

Bryant Thomas  
Regional Water Permits & Planning Manager  
Virginia Department of Environmental Quality  
Northern Regional Office  
13901 Crown Court  
Woodbridge, Virginia 22193

RE: VSMP MS4 General Permit Annual Report  
General Permit Registration Number VAR040117

Mr. Thomas:

The Town of Dumfries is pleased to submit our VSMP MS4 General Permit Annual Report. Please contact me with any questions or comments you may have at (703) 221-3400.

Sincerely,

Richard Paul West  
Director of Public Works

# **Town of Dumfries**



## **MS4 General Permit Annual Report**

**Report Period July 1, 2012 – June 30, 2013**

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## **INTRODUCTION**

The Town of Dumfries comprises approximately 1.6 square miles of urban mixed use land development located approximately 25 miles south of Washington, D.C. The sole watershed area, Quantico Creek, discharges into the Potomac River.

This report addresses items of the Town of Dumfries MS4 Program pertinent to the Virginia General Permit for Discharges from Small Municipal Storm Sewer Systems.

## **BACKGROUND INFORMATION**

Name: Town of Dumfries Municipal Separate Storm Sewer System

Permit Number: VAR040117

Reporting Period: July 1, 2012 – June 30 2013

Modifications: None

New Outfalls and  
Associated Acreage: None

**MS4 OWNER: TOWN OF DUMFRIES**

**PERMIT NUMBER: VAR040117**

**CERTIFICATION:**

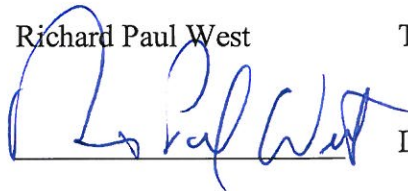
“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage 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:

Richard Paul West

Title: Director of Public Works

Signature:



Date: 01 October 2013

## STATUS OF COMPLIANCE

### ***Public Education and Outreach on Stormwater Impacts:***

- ⊕ Continued to work with the Northern Virginia Clean Water Partners (Appendix A)
- ⊕ Submitted a total of six newsletter articles for the Third and Fourth Quarter 2012 and First and Second Quarter 2013 editions of *The Dumfries* Charter, which is distributed to 3,061 town residents and businesses.

### ***Public Involvement and Participation:***

- ⊕ The Town participated in the Annual Alice Ferguson Foundation Potomac River Watershed Cleanup, working in Quantico Creek within the town limits. Twenty-seven volunteers participated in removing 20 tires, car parts and other debris in excess of 1,000 pounds from Quantico Creek and its tributaries. Fifty bags of trash and 5 bags of recyclable material were also picked up and properly disposed.
- ⊕ A JROTC group from a Potomac High School installed 75 storm drain markers throughout Old Town, identifying the inlets as draining to the creek.
- ⊕ The MS4 Program Plan was made available to the public during the budget review process. No comments were received regarding the plan.

### ***Illicit Discharge Detection and Elimination:***

- ⊕ The storm sewer map was digitized from Corps of Engineer reports and field confirmation continued, with corrected data entered into the digital map.
- ⊕ The Town maintained its log of all known permanent BMPs installed in the Town after January 2003. No additional BMPs entered into the Town's tracking system during the reporting period.
- ⊕ Bacteria sampling and testing continued through the report year. Four sites along Quantico Creek within the town were being sampled by students from Rippon Middle School, with reports reported to Public Works and the Virginia Department of Environmental Quality. Sampling and testing continue through the efforts of citizen volunteers enlisted by the Prince William Soil and Water Conservation District.

### ***Construction Site Stormwater Runoff Control:***

- ⊕ The Town, through the Director of Public Works, maintained an erosion and sediment Control Program consistent with Virginia Regulations. The Director of Public Works is a Certified Combined Administrator.
- ⊕ The town continued its Memorandum of Understanding with the Prince William Soil & Water Conservation District to assist in erosion and sediment control inspections throughout the reporting year. The MOU was not continued beyond June 30, 2013. Inspections were conducted by the Town. As of the date of this report, the Town is reviewing a proposal from a consultant to perform future inspections.
- ⊕ The town required all land disturbing activities encompassing areas of over 2,500 square feet to secure a VSMP storm water permit, through the Town's MS4 Permit Program, for the activity.

### ***Post-Construction Stormwater Management:***

- ⊕ No new BMPs were installed in FY 2013, therefore no new maintenance agreements were entered into. Land disturbance activities in FY2012 continue through FY 2013; BMP maintenance agreements will be implemented as BMPs are accepted by the town.

### ***Pollution Prevention and Good Housekeeping:***

- ⊕ 390 lane miles of street were swept, based on all streets being swept monthly and roughly half of the streets being swept twice a month, depending on the weather.
- ⊕ The maintenance crew provided litter pickup throughout the town on a weekly basis, weather permitting.
- ⊕ The maintenance crew was instructed in proper snow removal and ice control application to provide environmentally conscientious winter road maintenance.

## **INFORMATION COLLECTED AND ANALYZED**

- ⊕ Bacteria sampling was performed (Appendix B).

## **PLANNED STORMWATER ACTIVITIES DURING THE NEXT REPORTING PERIOD**

See Appendix C.

## **BMP MODIFICATIONS**

See Appendix C.

## **NOTICE OF EXTERNAL ASSISTANCE**

The Town MS4 Program is under the supervision of the Town of Dumfries Department of Public Works; other Town departments provide assistance (see Appendix C). The Town participates in the Northern Virginia Clean Water Partners Regional Storm Water Education Campaign to produce radio ads and other public outreach/education efforts.

## **PROPOSED PROGRAMS**

The Town has no proposed programs which would require approval status pursuant to Section II C of the General Permit.

## **SECTION I B 9 REQUIREMENTS**

The Town has no WLAs currently assigned.

## **ILLICIT DISCHARGES**

There were no illicit discharges during the reporting period.



## **LAND DISTURBANCE**

Regulated land-disturbing activity within the Town during the reporting period:

⊕ Ginn Memorial Park	2.39 acres
⊕ Grace Church	2.21 acres
⊕ McDonald's	1.04 acres
⊕ Danforth Homes – The Point	1.49 acres
⊕ Matthews Center	0.16 acres
⊕ Dumfries Elementary School	2.02 acres
⊕ Metts Subdivision Lot 5	0.33 acres

## **PERMANENT STORMWATER MANAGEMENT FACILITIES**

See Appendix D.

## **AGREEMENTS**

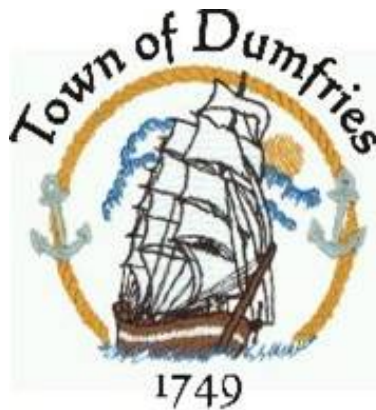
There were no new or terminated signed agreements between the Town and any applicable third parties.

## **WRITTEN COMMENTS**

There were no public comment periods regarding either the MS4 Program Plan or modifications to the Plan.

# **APPENDIX A**

## **Regional Stormwater Education Campaign**



### **MS4 General Permit Annual Report**

**Report Period July 1, 2012 – June 30, 2013**



WORKING TOGETHER FOR HEALTHY STREAMS AND RIVERS

# Northern Virginia Clean Water Partners

## 2013 Summary

## About the Partnership




Polluted stormwater runoff is the number one cause of poor water quality in streams and rivers in Northern Virginia. As stormwater runs off city streets, suburban yards and parking lots, it picks up pesticides and fertilizer from lawns, bacteria from pet waste, as well as petroleum and oil from driveways and parking lots. Don't forget about the sediment from construction sites or the litter and cigarette butts from the sidewalk.

To reduce the impacts of stormwater pollution, the Northern Virginia Clean Water Partners aims to change human behaviors in our cities and neighborhoods through a public awareness and education campaign.

The Northern Virginia Clean Water Partners is comprised of a multi-disciplinary group of local governments, drinking water and sanitation authorities, and individual businesses working together to address the common issues surrounding pollution prevention, stormwater management, and source water protection. "Only Rain Down the Storm Drain" is the motto of the partnership.

The primary goal of the partnership is to reduce stormwater-related pollution from entering local waterways.

To meet this goal, the Partners work together to:

-  Educate the region's residents on simple ways to reduce pollution around their homes;
-  Monitor changes in behavior through surveys and other data collection techniques; and
-  Pilot new cost-effective opportunities for public outreach and education.

Members include stormwater program managers, Municipal Separate Storm Sewer System (MS4) Permit managers, communication directors, public information officers, water quality compliance specialists, and environmental planners.

Membership is voluntary. However, the partnership provides a cost-effective means to meet mandatory state and federal stormwater requirements. By working together the partners are able to leverage their available funds to develop and place bi-lingual products with common messages and

themes, thereby extending their individual reach.

### Regional Stormwater Education Campaign

The Annual Regional Stormwater Education Campaign was initiated in 2003 to assist localities in leveraging funds to achieve common goals regarding stormwater education and outreach and promote consistent messages for fertilizer and pesticide use, pet waste disposal, and motor oil recycling.

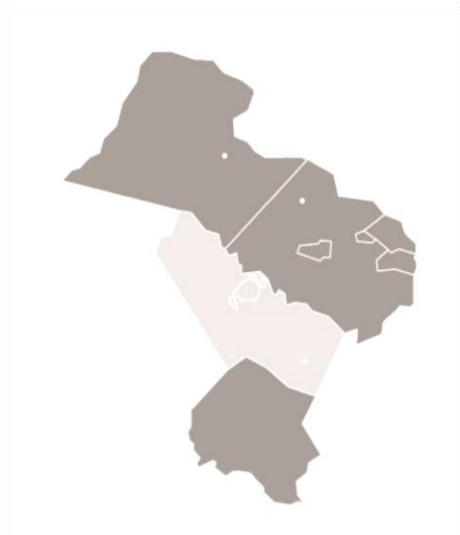
The 2013 campaign satisfied MS4 (Municipal Separate Storm Sewer System) Phase I and Phase II permit requirements for stormwater education and documenting changes in behavior.

For more information visit [www.onlyrain.org](http://www.onlyrain.org)



## Partners

The Northern Virginia Clean Water Partners is open to any municipal government in and around Northern Virginia. A full list of the organizations participating in the 2013 campaign year is provided on the back of this summary.



## 2013 Northern Virginia Clean Water Partners

Fairfax County | Arlington County | Loudoun County | Stafford County | Fairfax Water | City of Alexandria | Loudoun Water | Alexandria Sanitation Authority | City of Fairfax | Town of Herndon | City of Falls Church | Town of Leesburg | Town of Vienna | Town of Dumfries | Doody Calls | Northern Virginia Regional Commission | Virginia Coastal Zone Management Program | George Mason University |



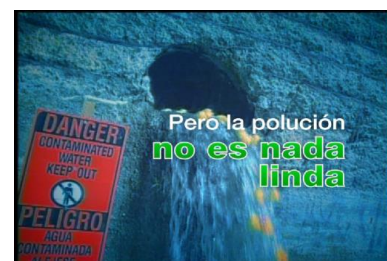
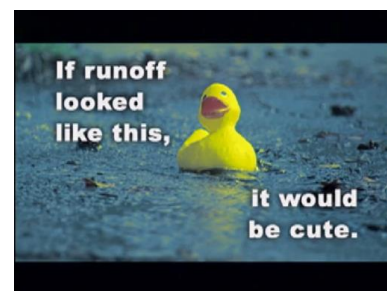
# 2013 Campaign Overview

In 2013, the Northern Virginia Clean Water Partners used television, print, internet advertising and the Only Rain Down the Storm Drain website to distribute messages linked to specific stormwater problems, such as proper pet waste disposal, over fertilization of lawns and gardens and proper disposal of motor oil. In addition to the multi-channel media campaign, educational events hosted throughout the Northern Virginia region also raised awareness and encouraged positive behavior change in residents. The television and internet ads featured the well known national symbol of non-point source pollution; the rubber ducky.



Throughout the campaign year, the Partners made the following efforts to educate the public and promote awareness of stormwater pollution:

- 🦆 From April 2013 through August 2013, four commercials featuring messages on the importance of picking up pet waste and general household stormwater pollution reduction measures aired on twelve cable TV channels, including three Spanish speaking channels a total of 1530 times.
- 🦆 These TV ads reached approximately 3,768,412 Northern Virginia residents and resulted in over 400 visits to the [www.onlyrain.org](http://www.onlyrain.org) website
- 🦆 The campaign also featured banner ads on the Comcast website that promote the same messages as the cable TV ads.
- 🦆 An online survey of 500 Northern Virginia residents helped determine the effectiveness of the ads, reveal any changes in behavior, and aid in directing the future efforts of the campaign.



3,768,412	Cable TV Advertising Impressions*
2000	Dog waste bag dispensers distributed
1,530	Number of times the ads aired from April – July
427,872	Number of banner ads aired
500	Online Annual Survey Responses





### Main cause of water pollution...

For the third year in a row, the majority of survey respondents stated fertilizers and pesticides as the main cause of pollution in the Potomac River and Chesapeake Bay.



### Where stormwater goes...

Over 90 percent of Northern Virginia residents surveyed stated that stormwater goes to the Potomac River, the Chesapeake Bay, or to local streams and rivers.



97%

Stated the actions of individuals are important in protecting water quality in local streams, the Potomac River, and the Chesapeake Bay is important.

75%

Would be more likely to take actions to reduce the amounts of pollutants they personally put into storm drains, after learning that polluted water runoff is the number one cause of local water pollution.










95%

Believe it is important for local governments to spend more money on protecting water quality.

## Annual Survey Highlights

To assist in determining the effectiveness of the campaign at increasing awareness and changing behaviors, after each campaign year, the Partners conduct an online annual survey of 500 Northern Virginia residents.

Findings in the 2013 survey include:

-  20 percent of the respondents recalled hearing or seeing advertisements on the internet or on TV about reducing water pollution.
-  Of those who recalled the ads, three percent state they now pick up their pet waste more often, four percent state that they are more careful with motor oil, and 13 percent state they fertilize fewer times per year.
-  The number of respondents choosing litter or industrial pollution as the number one source of pollution has decreased over the past three years.
-  43 percent of respondents knew they live in the Potomac River watershed, up from 38 percent in 2011.
-  Interestingly, almost 80 percent of people surveyed reported that they always pick up after their pet, as compared with 30 percent in previous surveys.
-  When shown the Only Rain Down the Storm Drain logo, over half of the respondents recognized the logo.
-  87 percent of respondents were familiar with rain barrels, and 69 percent stated they already have a rain barrel or are interested in getting one.
-  36 percent of respondents were familiar with rain gardens, with 62 percent already having a rain garden or interested in installing one.
-  More than half of the respondents (54%) prefer to receive information from online sources. Newspaper (19%) and television (18%) were the next two information sources.

### Understanding Behaviors

In addition to capturing responses to questions regarding the effectiveness of the campaign, this year's survey honed in on the current behaviors of Northern Virginia residents as they relate to pet waste management, lawn care, and motor oil disposal. Responses to these questions support the development of future messages and targeted promotion.

The most important reason dog owners are motivated to pick up their pet's waste is because "It's what good neighbors do". Approximately one-in-eight (14%) selected "It causes water pollution" as the most important reason to pick up. 70 percent believe that dog waste disposal stations would be useful.

A third of the lawn and garden owners fertilize their lawns two or more times per year; an equal number never fertilize their lawns. Among those who fertilize once a year, the same percentage reported doing so in the spring as in the fall. This suggests that there is room to educate more residents of Northern Virginia that fertilizing in the fall is better for local waterways than fertilizing in the spring.

About half of the respondents reported using an herbicide to treat weeds in their lawn or garden.

To better understand behavior related to the application of fertilizer, three new questions about fertilizer were added to the 2013 survey. Among those who fertilize their lawn, 73 percent have never had or were not sure if their soil had been tested for fertility or pH and one third reported using a slow release N fertilizer. When asked where they get information to decide when and how much fertilizer to apply the top three most commonly selected responses were "Follow directions on the bag" (52%), followed by "Lawn service conducts the applications" (27%), and then "Follow soil test results / recommendations" (7%).

The majority of respondents take their vehicle to a service station to change their oil (85%) or take used oil to a gas station or hazmat facility for recycling (11%). Only one percent of Northern Virginians store used motor oil in their garage, place it in the trash or dump it down the storm drain.

Only Rain  
Down the  
Drain

[www.onlyrain.org](http://www.onlyrain.org)

## 2012 Northern Virginia Clean Water Partners

Fairfax County | Arlington County | Loudoun County | Stafford County | Fairfax Water |  
City of Alexandria | Loudoun Water | Alexandria Sanitation Authority | City of Fairfax |  
Town of Herndon | City of Falls Church | Town of Leesburg | Town of Vienna |  
Town of Dumfries | Doody Calls | Northern Virginia Regional Commission | George Mason  
University | Virginia Coastal Zone Management Program

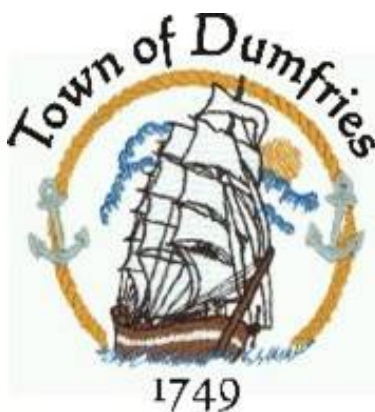
## Summary prepared by NVRC on behalf of the Partners

3060 Williams Drive, Suite 510  
Fairfax, VA 22031  
[info@novaregion.org](mailto:info@novaregion.org)



# **APPENDIX B**

## **Coliscan Sampling**



### **MS4 General Permit Annual Report**

**Report Period July 1, 2012 – June 30, 2013**

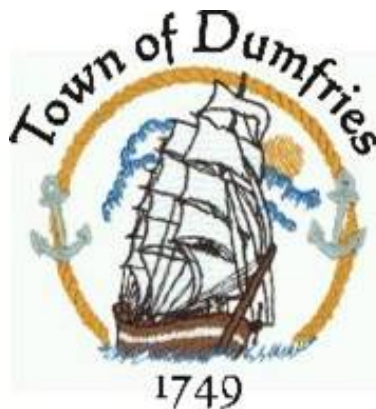
# Coliscan Results

Date	D1 lat	D2 lat	D3 lat	D4 lat	Rainfall (")
	38.56861	38.56775	38.56586	38.5661	
	long	long	long	long	
	-77.33592	-77.33481	-77.329	-77.32437	
E coli Colony Forming Units per 100 mL					
8/14/2012	20	20	600	400	0.00
8/26/2012	80	60	280	260	0.48
9/29/2012	20	20	20	20	0.43
11/19/2012	20	20			0.00
1/16/2013		80	40	100	0.79
6/13/2013	20				0.00
7/1/2013		125	950	775	0.05



# **APPENDIX C**

## **Description of Best Management Practices**



### **MS4 General Permit Annual Report**

**Report Period July 1, 2012 – June 30, 2013**

**TOWN OF DUMFRIES NPDES PHASE II STORMWATER PERMIT**  
**STORMWATER PROGRAM**  
**DESCRIPTION OF BEST MANAGEMENT PRACTICES**

<b>PUBLIC EDUCATION and OUTREACH on STORMWATER IMPACTS</b>						
<b>BMP</b>	<b>PROGRAM TASK</b>	<b>MEASURABLE GOAL/ANTICIPATED ACHIEVMENT</b>	<b>YEAR 4</b>	<b>YEAR 5</b>	<b>LEAD RESPONSIBILITY</b>	<b>SUPPORT</b>
1.1 Increased Household Knowledge	The town of Dumfries will participate in the Northern Virginia Clean Water Partners Regional Storm Water Education Campaign for each calendar year.	To produce 5 radio ads to air on 5 radio stations totalling 500 times a year.	Q4	Q4	Department of Public Works	Northern Virginia Regional Commission
1.2 Increased public employee, business, and general public knowledge	Publish Public Works news article semiannually. Each article will address stormwater issues such as recycling, yard waste collection, and hazardous waste handling.	Publish 2 articles each year.	Q2	Q2	Department of Public Works	
1.3 Increased community involvement in effort	The Town will continue to include instructions for the proper disposal of hazardous waste in the quarterly news letter.	Publish 4 newsletter articles a year with hazardous waste removal instructions and conservation strategies.	Q4	Q4	Department of Public Works	
1.4 Diverse strategies to target a variety of audiences	Add a section to the newsletter that pertains to stormwater issues targeted at children.	Publish 2 newsletter articles a year beginning with permit year 2.	Q2	Q2	Department of Public Works	
1.5 Strategies to target local groups most affected	Publish Public Works newsletter articles focused on Stormwater issues for commercial, industrial, and institutions.	Publish 2 newsletter articles a year beginning with permit year 3.	Q2	Q2	Department of Public Works	

**TOWN OF DUMFRIES NPDES PHASE II STORMWATER PERMIT**  
**STORMWATER PROGRAM**  
**DESCRIPTION OF BEST MANAGEMENT PRACTICES**

<b>PUBLIC INVOLVEMENT and PARTICIPATION</b>						
<b>BMP</b>	<b>PROGRAM TASK</b>	<b>MEASURABLE GOAL/ANTICIPATED ACHIEVMENT</b>	<b>YEAR 4</b>	<b>YEAR 5</b>	<b>LEAD RESPONSIBILITY</b>	<b>SUPPORT</b>
2.1 Local activities aimed at public participation	Annual Potomac River Watershed Cleanup	To have a minimum of 25 volunteers to clean trash and other debris from Quantico Creek	Q3	Q3	Department of Public Works	Alice Ferguson Foundations
2.2 Promote the availability and community input of the Town of Dumfries MS-4 Program	Allow the MS-4 Program to be viewed by the community and open to any modifications.	To have the Plan available each year for public review during the town's budget public hearings.	Q1	Q1	Department of Public Works	
2.3 Provide access to or copies of the annual report to the public.	The Town will make the MS-4 annual report available on the Town's website.	The Town will make its annual report available online during plan year 3.	Q4	Q4	Department of Public Works	

**TOWN OF DUMFRIES NPDES PHASE II STORMWATER PERMIT**  
**STORMWATER PROGRAM**  
**DESCRIPTION OF BEST MANAGEMENT PRACTICES**

<b>ILLCIT DISCHARGE DETECTION and ELIMINATION</b>						
<b>BMP</b>	<b>PROGRAM TASK</b>	<b>MEASURABLE GOAL/ANTICIPATED ACHIEVMENT</b>	<b>YEAR 4</b>	<b>YEAR 5</b>	<b>LEAD RESPONSIBILITY</b>	<b>SUPPORT</b>
3.1 Eliminate illicit discharges	Establish a Stormwatcher database to track the number of illicit discharges identified during dry weather monitoring.	Tracking database to be established during plan year 5.	Q4	Q4	Department of Public Works	
3.2 Eliminate illicit discharges	Establish a Stormwater Line for residents to call in illegal dumping report spills, BMP issues, and construction site complaints.	Stormwater Line to be established during plan year 5.	Q4	Q4	Department of Public Works	
3.3 Eliminate illicit discharges	The Town will perform dry weather inspections of 20% of its outfalls annually for illicit discharges and the general conditions of the outfall.	Dry weather discharge inspection report and outfall condition report during plan year 5.	Q4	Q4	Department of Public Works	
3.4 Updated storm sewer system map	Maintain the existing storm sewer system map which shows all known outfalls within the Town	Update storm sewer map upon receiving record plans for all new development.	Ongoing		Department of Public Works	
3.5 Eliminate illicit discharges	The Town of Dumfries will maintain a log of all permanent known BMPs installed in the Town after January 2003	Database to be maintained throughout the duration of permit coverage	Q4	Q4	Department of Public Works	

**TOWN OF DUMFRIES NPDES PHASE II STORMWATER PERMIT**  
**STORMWATER PROGRAM**  
**DESCRIPTION OF BEST MANAGEMENT PRACTICES**

<b>CONSTRUCTION SITE STORMWATER RUNOFF CONTROL</b>						
<b>BMP</b>	<b>PROGRAM TASK</b>	<b>MEASURABLE GOAL/ANTICIPATED ACHIEVMENT</b>	<b>YEAR 4</b>	<b>YEAR 5</b>	<b>LEAD RESPONSIBILITY</b>	<b>SUPPORT</b>
4.1 Maintain Designation and Management Regulations	The Town is to maintain a plan consistent with the DCR Virginia Erosion and Sediment Control Regulations.	To fully comply with the DCR program elements.			Department of Public Works	Virginia Erosion and Sediment Control Program
4.2 Requirement for Construction to have a VSMP permit	The Town requires all land disturbing activity encompassing areas of over 2,500 square feet to secure a VSMP stormwater permit for the activity.	Ensure developer obtains the VSMP permit prior to land disturbing activity for an area over 2,500 square feet.			Department of Public Works	Chesapeake Bay Preservation Act
4.3 Maintain Designation and Management Regulations	Review ordinances annually to ensure compliance with any and all changes to the Erosion and Sediment Control Law	To maintain fully compliant with DCR program elements.			Department of Public Works	Virginia Erosion and Sediment Control Program

**TOWN OF DUMFRIES NPDES PHASE II STORMWATER PERMIT  
STORMWATER PROGRAM  
DESCRIPTION OF BEST MANAGEMENT PRACTICES**

<b>POST-CONSTRUCTION STORMWATER MANAGEMENT</b>						
<b>BMP</b>	<b>PROGRAM TASK</b>	<b>MEASURABLE GOAL/ANTICIPATED ACHIEVMENT</b>	<b>YEAR 4</b>	<b>YEAR 5</b>	<b>LEAD RESPONSIBILITY</b>	<b>SUPPORT</b>
5.1 Maintenance Agreements	The Town will enter into maintenance agreements with BMP owners to ensure the BMP is maintained to the standard in which it was designed.	The Town will continue to implement agreements with BMP owners.			Department of Public Works	Chesapeake Bay Preservation Act

**TOWN OF DUMFRIES NPDES PHASE II STORMWATER PERMIT**  
**STORMWATER PROGRAM**  
**DESCRIPTION OF BEST MANAGEMENT PRACTICES**

<b>POLLUTION PREVENTION and GOOD HOUSEKEEPING</b>						
<b>BMP</b>	<b>PROGRAM TASK</b>	<b>MEASURABLE GOAL/ANTICIPATED ACHIEVMENT</b>	<b>YEAR 4</b>	<b>YEAR 5</b>	<b>LEAD RESPONSIBILITY</b>	<b>SUPPORT</b>
6.1 Operation and Maintenance Programs	Maintain a training program for all Public Works employees. Topics are to include but are not limited to the following: Identification of pollutant discharges into the Town's outfalls, proper storage and application of fertilizers, waste disposal procedures, and snow removal chemical application	Maintain a database for all training attended.			Department of Public Works	
6.2 Operation and Maintenance Programs	The Town will continue to sweep all Town streets two times annually.	Street sweeping logs will be maintained showing dates and total lane miles of roadway swept.			Department of Public Works	
6.3 Operation and Maintenance Programs	The Town will participate as a partner in the NOVA Clean Water Partners Regional Storm Water Education Campaign sponsored and administered by the Northern Virginia Regional Commission	Town to maintain agendas and minutes of meetings			Department of Public Works	NOVA Clean Water Partners Regional Storm Water Education Campaign

STORMWATER PROGRAM 2008-2012 DESCRIPTION OF BEST MANAGEMENT PRACTICES AND PROJECT										
PUBLIC INVOLVEMENT/PARTICIPATION										
PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ANTICIPATED ACHIEVMENT	TASK SCHEDULE					LEAD RESPONSIBILITY	SUPPORT	PROGRESS
			FISCAL YEARS ENDING JUNE 30							
			2009	2010	2011	2012	2013			
2.d Local activities aimed at public participation	Annual Potomac river Watershed Cleanup	To have a minimum of 25 volunteers to clean trash and other debris from Quantico Creek						Department of Public Works	Alice Ferguson Foundations	The Town has met this goal and collected ( ) tons of debris as part of the creek clean up.
2.a Promote the availability and community input of the Town of Dumfires MS-4 Program	Allow the MS-4 Program to be viewed by the community and open to any modifications.	To have the Plan available each year for public review during the town's budget public hearings.						Department of Public Works		The MS-4 Plan was available at the Towns budget Public Hearing where the citizens were satisfied with the provisions.
			Q1	Q1	Q1	Q1	Q1			
2.c Provide access to or copies of the annual report to the public.	The Town will make the MS-4 annual report available ono the Town's website.	The Town will make its annual report available online during plan year 3.						Department of Public Works		The Town is on track to make our annual report available on line during plan year 3.
					Q4	Q4	Q4			



STORMWATER PROGRAM 2008-2012 DESCRIPTION OF BEST MANAGEMENT PRACTICES AND PROJECT EVALUATIONS										
Illicit Discharge Detection and Elimination										
PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ANTICIPATED ACHIEVMENT	TASK SCHEDULE <small>FISCAL YEARS ENDING JUNE 30</small>					LEAD RESPONSIBILITY	SUPPORT	PROGRESS
			2009	2010	2011	2012	2013			
3. Eliminate illicit discharges	Establish a Stormwatcher database to track the number of illicit discharges identified during dry weather monitoring.	Tracking database to be established during plan year 2.		Q4	Q4	Q4	Q4	Department of Public Works		The Department is working to enhance this goal during the next reporting cycle.
3. Eliminate illicit discharges	Establish a Stormwater Line for residents to call in illegal dumping report spills, BMP issues, and contruction site complaints.	Stormwater Line to be established during plan year 3.			Q4	Q4	Q4	Department of Public Works		The Department is working to accomplish this goal during the next reporting cycle.
3. Eliminate illicit discharges	The Town will perform dry weather inspections 20% of its outfalls annually for illicit discharges and the general conditions of the outfall.	Dry weather discharge inspection report and outfall condition report.						Department of Public Works		The Department of Public Works has met and exceeded this goal.
3. Updated storm sewere system map	Maintain the existing storm sewer system map which shows all known outfalls within the Town	Update storm sewer map upon receiving as-built plans for all new development.						Department of Public Works		The Town has maintained the storm sewer system map showing all known outfalls within the area. There are no new additions to the report.

3. Eliminate illicit discharges	The Town of Dumfries will maintain a log of all permanent known BMPs installed in the Town after January 2003	Database to be maintained throughout the duration of permit coverage	Q4	Q4	Q4	Q4	Q4	Department of Public Works		The Town maintains a log of all permanent known BMPs installed in the Town after January 2003. There has been no additional entries this reporting cycle.
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STORMWATER PROGRAM 2008-2012 DESCRIPTION OF BEST MANAGEMENT PRACTICES AND PROJECT											
Construction Site Stormwater runoff Control											
PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ANTICI PATED ACHIEVEMENT	TASK SCHEDULE <small>FISCAL YEARS ENDING JUNE 30</small>					LEAD RESPONSIBILI TY	SUPPORT	PROGRESS	
			2009	2010	2011	2012	2013				
4.a. Maintain Designation and Management Regulations	The Town is to maintain a plan consistent with the DCR Virginia Erosion and Sediment Control Regulations	To fully comply with the DCR program elements.							Department of Public Works	Virginia Erosion and Sediment Control Program	The Town is maintaining a DCR program which is consistent with the Virginia DCR.
4.a.3: Requirement for Construction to have a VSMP permit	The Town requires all land disturbing activity encompassing areas of over 2,500 square feet to secure a VSMP stormwater permit for the activity.	Ensure developer obtains the VSMP permit prior to land disturbing activity for an area over 2,500 square feet.	monthly	monthly	monthly	monthly	monthly	monthly	Department of Public Works	Chesapeak Bay Preservation Act	The Town maintains a log of all land disturbance activity and reports monthly to DCR.
4.a:Maintain Designation and Management Regulations	Review ordinances annually to ensure compliance with any and all changes to the Erosion and Sediment Control Law	To maintain fully compliant with DCR program elements.							Department of Public Works	Virginia Erosion and Sediment Control Program	The Town ordinances have been reviewed and have been found to be in compliance with state regulations.

# STORMWATER PROGRAM 2008-2012 DESCRIPTION OF BEST MANAGEMENT PRACTICES AND PROJECT

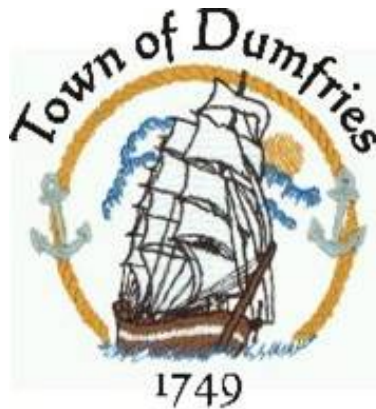
## Post- Construction Stormwater Management

PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ANTICI PATED ACHIEVEMENT	TASK SCHEDULE <small>FISCAL YEARS ENDING JUNE 30</small>					LEAD RESPONSIBILI TY	SUPPORT	PROGRESS
			2009	2010	2011	2012	2013			
	The Town will enter into maintenance agreements with BMP owners to ensure the BMP is maintained to the standard in which it was designed.	The Town will continue to implement agreements with BMP owners within the 2009 fiscal year.						Department of Public Works	Chesapeake Bay Preservation Act	The Town has a log of existing BMP owners and facilities. The Town continues to enter into maintenance agreements with existing owners. There have been no additional BMPs entered into the

STORMWATER PROGRAM 2008-2012 DESCRIPTION OF BEST MANAGEMENT PRACTICES AND PROJECT EVALUATIONS										
Pollution Prevention and Good Housekeeping										
PROPOSED BEST MGMT PRACTICE	PROGRAM TASK	MEASURABLE GOAL/ANTICI PATED ACHIEVMENT	TASK SCHEDULE					LEAD RESPONSIBILI TY	SUPPORT	PROGRESS
			FISCAL YEARS ENDING JUNE 30							
			2009	2010	2011	2012	2013			
6.1 Operation and Maintenance Programs	Maintain a training program for all Public Works employees topics are to include but are not limited to the following: Identification of pollutant discharges into the Town's outfalls, proper storage and application of fertilizers, waste disposal procedures, and snow removal chemical application	Maintain a database for all training attended.						Department of Public Works		The Town has met this goal (Calendar is attached)
6.1 Operation and Maintenance Programs	The Town will continue to sweep all Town streets two times annually.	Street sweeping logs will be maintained showing dates and total lane miles of						Department of Public Works		The Town has met this goal and a calendar of street sweeping is attached.
6.1 Operation and Maintenance Programs	The Town will participate as a partner in the NOVA Clean Water Partners Regional Storm Water Education Campaign sponsored and administered by the Northern Virginia Regional Commission	Town to maintain agendas and minutes of meetings						Department of Public Works	NOVA Clean Water Partners Regional Storm Water Education Campaign	The Town has been an active member of NOVA Clean Water Partners Regional Storm Water Educational Campaign (agenda and minutes are attached)

# **APPENDIX D**

## **Permanent Stormwater Management Facilities**



### **MS4 General Permit Annual Report**

**Report Period July 1, 2012 – June 30, 2013**

**TOWN OF DUMFRIES NPDES PHASE II STORMWATER PERMIT**  
**STORMWATER PROGRAM**  
**PERMANENT STORMWATER MANAGEMENT FACILITIES**

<b>LOCATION</b>	<b>BMP TYPE</b>	<b>VAHU6</b>	<b>IMPAIRED WATER</b>	<b>ACRES TREATED</b>
17565 Old Stagecoach Road	Stormwater Management Pond	PL52	Quantico Creek	1.6533
17640 Overlook Road	Stormwater Management Pond	PL52	Quantico Creek	0.3799
17569 Summerduck Road	Stormwater Management Pond	PL52	Quantico Creek	0.8012
17445 Jefferson Davis Highway	Stormwater Management Pond	PL52	Quantico Creek	1.9919
17335 Jefferson Davis Highway	Stormwater Management Pond	PL52	Quantico Creek	2.8172
3731 Greentree Lane	Stormwater Management Pond	PL52	Quantico Creek	54.0492
3730 Greentree Lane	Stormwater Management Pond	PL52	Quantico Creek	24.9661
17975-95 Main Street	Manufactured BMP System -- Stormceptor	PL52	Quantico Creek	1.0800
2525 Pointe Center Court	Manufactured BMP System -- Stormceptor	PL52	Quantico Creek	1.7950
17944 Main Street	Bioretention Facility	PL52	Quantico Creek	0.6177
17865 Main Street	Manufactured BMP System -- Stormceptor	PL52	Quantico Creek	0.5630
17484 Jefferson Davis Highway	Manufactured BMP System -- Stormceptor	PL52	Quantico Creek	1.9785
17950 Dr. David Cline Lane	Infiltration Trench	PL52	Quantico Creek	0.2366