

**CITY OF FREDERICKSBURG**

**VSMP General Permit for  
Small Municipal Separate Storm Sewer Systems**

**Permit # VAR040058**

**Year Four Annual Report**

**July 2011 – June 2012**

**CITY OF FREDERICKSBURG**

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Small Municipal Separate Storm Sewer Systems**

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## **Appendix A**

### **Signed Certification Statement**

**Beverly R. Cameron**  
City Manager



City of Fredericksburg  
715 Princess Anne Street  
P.O. Box 7447  
Fredericksburg, VA 22404-7447  
Telephone: 540 372-1080  
Fax: 540 310-0636

**November 26, 2012**

Mr. Doug Fritz, MS4 Program Manager  
Department of Conservation and Recreation  
Division of Soil and Water Conservation  
MS4 Stormwater Permitting  
203 Governor Street, Suite 206  
Richmond, Virginia 23219

**Re: VSMP General Permit for small MS4's, City of Fredericksburg, VAR040058**

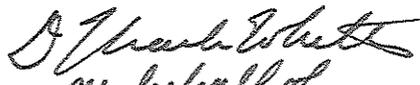
Dear Mr. Fritz,

In accordance with 4 VAC 50-60-1240 Section II (E) (3) and its VSMP small MS4 permit, VAR040058, enclosed is the required copy of the City of Fredericksburg's Year Four Annual Report. This report summarizes the City's activities taken toward meeting the measurable goals during the period of July 1, 2011 through June 30, 2012.

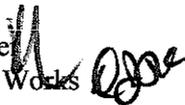
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage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

If you have any questions or need additional information, please do not hesitate to contact Mr. Kevin W. Utt of the Building and Development Services Department or Mr. David J. King of the Public Works Department.

Sincerely,

  
on behalf of  
Mr. Beverly R. Cameron  
City Manager

CC: Kevin W. Utt, Site Development Manager  
Dave J. King, Assistant Director, Public Works  
Jeff Selengut, MS4 Permit Writer



## **Appendix B**

### **Status of Compliance with Permit Conditions MS4 Program Plan Spreadsheet with 2011 Updates**

## **INTRODUCTION**

In accordance with the requirements of this VSMP, an annual report is hereby submitted for the City of Fredericksburg's General Permit for Small Municipal Separate Storm Sewer Systems (MS4). The report presents the information requested in items (a) through (m) of the regulations, Section II, E 3.

### **a. Background Information**

- 1) City of Fredericksburg General Permit Number #VAR040058
- 2) Annual Report Permit Year Four – July 1, 2011 to June 30, 2012.
- 3) There are no modifications to the City's roles and responsibilities under the permit.
- 4) There have been new MS4 outfalls added within the City during this third permit year. A total of 4 facilities have been added.
- 5) The signed registration statement is included in Appendix A of this report.

b. Status of compliance. The status of compliance with the permit conditions, an assessment of the appropriateness of the identified best management practices, and progress toward achieving the identified measurable goals for each of the minimum control measures is contained in Appendix B. We have assessed our BMP's and activities of the program and believe that they are appropriate and effective in meeting our program plan and compliance with permit conditions.

c. Results of information collected. See Appendix C.

d. Planned stormwater activities. The following stormwater activities are programmed to be undertaken during the next reporting cycle – July 1, 2012 to June 30, 2013.

1. Dry weather screening of MS4 outfalls for illicit discharges
2. IDDE investigations
3. Continue infrastructure mapping
4. Continue SWMF maintenance oversight
5. Continue public education and outreach on stormwater impacts
6. Continue public involvement/participation
7. Continue maintenance oversight of the septic pump out program
8. Continue staff training
9. Continue and enhance Pollution Prevention and Good Housekeeping
10. Expand the Inlet Trash Guard Program

e. Program changes. The only changes to report in best management practices or measurable goals for this reporting year is identified in BMP 3.7, which was initiated and completed in this report cycle. BMP 3.7 consisted of Storm Inlet Drain Medallions being installed on all drain inlets within this MS4 system.

f. Reliance on other entity. Not Applicable.

- g. Approval status of any program: There are no programs operated by the City of Fredericksburg that are intended to replace any of the Minimum Control Measures contained in Section II B of the General Permit.
- h. Section I B 9 requirements. There have been no updates completed to the MS4 Program Plan and no new information regarding the TMDL WLA during PY4.
- i. Illicit Discharges identified. There were no illicit discharges reported for this permit cycle as indicated in Appendix C.
- j. Land disturbing activities. Information on regulated land-disturbing activities is reported in Appendix C.
- k. Stormwater management facility data. All known permanent stormwater management facilities in the MS4 permitted area of the City of Fredericksburg are included in Appendix D.
- l. Agreements. There are no new and no terminated signed agreements between the City of Fredericksburg and any other third party to implement all or portions of the permit's minimum control measures.
- m. Written comments. There are no written comments received for the PY3 period regarding the MS4 Program Plan. A copy of the permit and program plan is on file with the Public Works Department and the Building & Development Services Department for public viewing which is available upon request and on the City's website at <http://www.fredericksburgva.gov/Departments/PublicWorks/index.aspx?id=379>

There is no downstream regulated MS4's to which the City is physically interconnected or connected too.

**City of Fredericksburg**  
**Permit #VAR040058**  
**Year Four Annual Report**

**BMP Table of Contents**

**1.0 Public Education and Outreach on Stormwater Impacts**

- 1.1 Administration
- 1.2 Webpage
- 1.3 Public Brochure
- 1.4 Urban Nutrient Management Plan
- 1.5 LID Site Demo
- 1.6 Application EPA Brownfield Grant
- 1.7 City property outreach program
- 1.8 Fredericksburg Clean & Green Commission
- 1.9 Wetland Board
- 1.10 Conservation Corridors Map
- 1.11 VAMSA-Virginia Municipal Stormwater Association
- 1.12 GWRC NPWG-George Washington Regional Commission Non-Point Work Group
- 1.13 Green Infrastructure Committee
- 1.14 Green Government Commission

**2.0 Public Involvement/Participation**

- 2.1 Friends of the Rappahannock
- 2.2 Rappahannock and Rapidan River Conservation Easement
- 2.3 Local Jurisdiction and University Neighbor Involvement and Participation
- 2.4 Household Hazardous Waste Collection Days
- 2.5 City Recycling Center and Regional Recycling Center
- 2.6 Curbside Recycling Collection Program
- 2.7 Community Pride Weeks
- 2.8 Residential Bulk Waste Collection Program
- 2.9 Get the Dirt Out Program
- 2.10 Webpage

**3.0 Illicit Discharge Detection and Elimination**

- 3.1 Develop & Administer IDDE program
- 3.2 Training Field Employees
- 3.3 Investigation of Environmental Crimes
- 3.4 Storm Sewer Outfall Map
- 3.5 Outfall Reconnaissance Inventory (ORI) Monitoring
- 3.6 Septic Tank Pump Out Program
- 3.7 Storm Inlet Stencil Marking

**4.0 Construction Site Stormwater Runoff Control**

- 4.1 Chapter 78, Article V, Erosion and Sediment Control Program
- 4.2 Chapter 78, Article VI, Wetlands Board
- 4.3 Responsible Land Disturber Requirement
- 4.4 Staff Training
- 4.5 Chesapeake Bay Preservation Overlay District
- 4.6 Site Plan Review Process
- 4.7 Stream Baseline Study

**5.0 Post-Construction Stormwater Management in New Development and Redevelopment**

- 5.1 BMP Inspection and Monitoring Program
- 5.2 Low Impact Development (LID) Ordinance
- 5.3 Regional BMP Retrofits

**6.0 Pollution Prevention/Good Housekeeping for Municipal Operations**

- 6.1 City Street Sweeping Program
- 6.2 Annual Leaf Collection Program
- 6.3 Environmental Management System
- 6.4 Stormwater Inlet Routine Maintenance and Cleaning
- 6.5 Litter Control
- 6.6 Inlet Trash guard Program

A copy of the permit and program plan is on file with the Public Works Department and the Building & Development Services Department for public viewing which is available upon request and on the City's website at

<http://www.fredericksburgva.gov/Departments/PublicWorks/index.aspx?id=379>

A	B	C	D	E	F	G	H	I	J	K	L	M
1	BMP 1 Public Outreach and Education											
2	BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Document	FY 2009 Status	FY 2010	FY 2011	FY 2012	
3	1.1	Administration	Yearly updates	Annually	B&DS and PW	10.01.11	per section II E 3	Submitted	Submitted	Submitted	Submitted	
4	1.2	Webpage	Review & update as needed	Annually	B&DS and PW	11.01.11	Permit & Annual up	As needed	As needed	As needed	Updated	
5	1.3	Public Brochure	Review & update as needed	Annually	B&DS and PW	As needed	Appendix C-1	As needed	As needed	As needed	Updated with water report	
6	1.4	Urban Nutrient Management Plan	Implementation	Annually	B&DS	As needed	On file	Pending	Pending	Pending	to be implemented	
7	1.5	LID site demo	FOR educational site	Annually	B&DS	As needed	On file	On going	On going	On going	on going	
8	1.6	Application EPA Brownfield Grant	Identification	TBD	B&DS	TBD	On file	Not awarded	Resubmitted	Awarded	Program underway	
9	1.7	City property outreach program	Advocacy & Education	TBD	B&DS	TBD	On file	Purchased	Develop program	Pending	Pending	
10	1.8	Fredericksburg Clean & Green	Planning & Maintenance	Annually	PW	On going	On file	On going	On going	On going	On going	
11	1.9	Wetlands Board	Advocacy & Education/Outreach	Quarterly	B&DS	On going	On file	On going	On going	On going	On going	
12	1.10	Conservation Corridors Map	Informed Land Use Decision	Quarterly	B&DS	On going	On file	Report	Completed			
13	1.11	VAMSA	SWM/outreach/education	Quarterly	B&DS and PW	On going	On file	On going	On going	On going	On going	
14	1.12	NPWG	Advocacy/Education on NPS	Bi-monthly	B&DS	On going	On file	On going	On file-on going	On going	On going	
15	1.13	Green Infrastructure	Promote Green Infrastructure	Bi-monthly	B&DS	On going	On file	On going	On file-on going	On going	On going	
16	1.14	Green Government Commission	Enhance Environmental Quality	Quarterly	B&DS	On going	On file	On going	On file-on going	On going	Disband until further notice	

A	B	C	D	E	F	G	H	I	J	K	L
1	<b>BMP 2 Public Involvement/Participation</b>										
2	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Document	2009 Stat	FY 2010	FY 2011	FY 2012	
3	2.1 FOR Partnership	Annual Report	Number and Review	B&DS, PW and FOR	Annually	FOR Annual Report	On going	On going	On going	On going	
4	2.2 Rapp & Rapidan Easement	Annual Plan	Annual Meeting	PW and Nature Cons	Annually	Annual Monitoring	On going	On going	On going	On going-see Appendix C	
5	2.3 Local Communication and Involvement	Annual Meeting	Annual	B&DS, PW	Annually	Schedule	Appendix C	On going	On going	On going-see Appendix C	
6	2.4 Household Hazardous Waste Collection	Spring & Fall	Number of employees		Semi Annual	Schedule	Appendix C	On going	On going	On going-see Appendix C	
7	2.5 City/Regional Recycling Center	Daily operation	Website, new City, R-Board staff		Daily	Schedule	Appendix C	On going	On going	On going-see Appendix C	
8	2.6 Residential Curbside Recycling	Meet or exceed DEQ requirements	Website, new PW		Schedule	Schedule	Appendix C	On going	On going	On going-see Appendix C	
9	2.7 Community Pride Week	Semi Annual	Website, new PW		Schedule	Schedule	Appendix C	On going	On going	On going-see Appendix C	
10	2.8 Residential Bulk Waste Collection Program	Semi Annual	Website, new PW		Semi Annual	Schedule	Appendix C	On going	On going	On going-see Appendix C	
11	2.9 Get the Dirt Out Program	Complaint driven	Reports	B&DS and FOR	Annually	Reports	On going	On going	On going	On going-see Appendix C	
12	2.10 Webpage	Review & update as needed	Annually	B&DS and PW	Annually	Permit & Annual update	On going	On going	On going	On going-see Appendix C	

A	B	C	D	E	F	G	H	I	J	K	L	M
1	BMP 3 illicit Discharge Detection and Elimination											
2	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documentation	Report Status	FY 2010	FY 2011	FY 2012		
3	3.1 Develop & Administer IDI	Operational & Effective Program	Annual Review	B&DS, PW	As needed	Developed	Annual report	Annual Report	Annual report	Annual Report		
4	3.2 Training Field Employees	Appropriate Training	Schedule	B&DS, PW	Annually	Developed	Developed	Developed	Appendix C-3	On going see Appendix C		
5	3.3 Investigation of Environment	Investigate, Detect, Clean up	As reported	Fire Department	As needed	Log	Appendix C-1	No incidents reported	No incidents reported	No incidents reported		
6	3.4 Storm Sewer Network Maintenance	Continue building map and plan	On going	B&DS, PW	On going	GIS & on file for c.	On going	On going	On going	On going		
7	3.5 ORI Monitoring	Conduct 15% Annually	On going	B&DS, PW	On going	ORI sheets	Appendix C-1	On going	On going	On going		
8	3.6 Septic Tank Pump Out Program	Ensure compliance	On going	B&DS	On going	Inventory data	Appendix C-1	On going	On going	On going		
9	3.7 Storm Inlet Stencil marking	Mark all inlets	On going	B&DS, PW	On going	Inventory data				Completed		

	A	B	C	D	E	F	G	H	I	J	K	L
1	BMP 4	Construction Site Stormwater Runoff Control										
2	BMP	BMP Description	Measurable Goals	Metric	Possible F	Timeline	Associated Documents	FY 2009 Status	FY 2010	FY 2011	FY 2012	
3	4.1	E&S Program	Regulation Compliance	AIP program	B&DS	On going	Program review reports	Appendix C-	In compliance-	On going	On going	
4	4.2	Wetlands Board	Quarterly meetings	Review perm	B&DS	Quarterly mee	Appendix C-	On file-on goin	On going	On going	On going	
5	4.3	RLD requirement	Review LDA requiring a RLD	At plan review	B&DS	As submitted	On file	On going	On going	On going	On going	
6	4.4	Staff Training	Personnel Certification reau	Mandated	B&DS	As needed	Schedule	Appendix C-	On file-on goin	On going	On going	
7	4.5	CBPA	Program compliance	Annual	B&DS	Annual	Approval letter	Appendix C-	In compliance-	On going	On going	
8	4.6	Site Plan Review	State mandated requirement	On going	B&DS	On going	On file	On going	On going	On going	On going	
9	4.7	Stream Baseline Study	Perform study and Analysis	TBD	B&DS	TBD	TBD	On going	On going	Started local	Develop	Develop schedule

A	B	C	D	E	F	G	H	I	J	K	
1	BMP 5 Post-Construction Stormwater Management in New Development and Redevelopment										
2	BMP Description	Measurable Goals	Metric	onsible	Timeline	ociated Document	Y 2009 Statu				
3	5.1 BMP Inspection & N	Ensure mandated functionality	Spreadshe	B&DS	On going	Schedule	Appendix C-3	On file-on going	FY 2010	FY 2011	FY 2012
4	5.2 LID Ordinance	Adopt LID Ordinance	Adopted	B&DS	Adopted	Copy of Ordinan	Appendix C-3	Implementation	On going	On going	On going
5	5.3 BMP Retrofits	Meet TMDL WLA when assigned	Pending	B&DS	Pending	Pending	Pending	Pending	Pending	Ph	Pending

A	B	C	D	E	F	G	H	I	J	K
1	BMP 6 Pollution Prevention/Good Housekeeping for Municipal Operations									
2	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	dated Docu	FY 2009 Stat	FY 2010	FY 2011	FY 2012
3	6.1 Street Sweeping Program	Maintain routine operations	Hours logged	PW	Hours	Schedule	Appendix C	On file-on g	On going	On going
4	6.2 Annual Leaf Collection Program	Hold annual collections	Annual	PW	Annual	Schedule	Appendix C	On going	On going	On going
5	6.3 EMS	Maintain E2 rating	TBD	Selected department	As required	TBD	Program sus	Reinstated	On going	On going
6	6.4 Stormwater Inlet Maintenance	Ensure functionality	As required	PW	As required	Report	On going	On file-on g	On going	On going
7	6.5 Litter Control	Public awareness to elimina	As required	City Police Depart	As required	Ordinance	Appendix C	On going	On going	On going
8	6.6 Inlet Trash Guard Program	Capture trash/debris	Volume/mass	B&DS	As required	Reports	Installed	On going	On going d	On going

## **Appendix C**

**APPENDIX C**  
**City of Fredericksburg**  
**Permit # VAR040058**  
**Year Four Annual Report of Metrics and Schedules**  
**Fiscal Year July 1, 2011 – June 30, 2012**

**BMP 1**

The Minimum control measures listed in the BMP spreadsheet address the requirements for this control. As well, BMP 1.3, the City distributes a flyer each year to all billed water users, which include residents, commercial operations and industrial operation users. The flyer has information on water in general, water conservation tips, stormwater and stormwater runoff. The flyer also has contact information for reporting violations and information on the NPDES program.

The outreach programs and events listed in the BMP spreadsheet, the City's Parks & Recreation Department and Public Facilities Department has an ongoing Environmental Opportunities Program. A quantifiable method will be established to better track the effectiveness of these types of activities.

Additionally, in meeting the requirements for BMP 1, strategies towards education and outreach of local groups of commercial, industrial and institutional entities likely to have stormwater impacts is being developed.

The City's website has been updated and will be scheduled annually for updates on stormwater and the MS4 program. Educational material is being added to the website for viewing to promote storm water pollution prevention.

**BMP 2**

**2.1 Friends of the Rappahannock River (FOR)**

- Ongoing support and partnership with this nonprofit conservation organization.

**2.2 Rappahannock and Rapidan Rivers Conservation Easement**

- Lead numerous educational hikes/paddles with different agencies.
  - University of May Washington
  - Friends of the Rappahannock
  - FBI
  - Del Webb
- Signed more property boundaries, on going processes.
- Worked with students from College and High school, performing independent studies. The students received credits towards their degree completion.
- 3 more Eagle projects
- Speaking engagements about the Watershed property and the environment
  - Lake of the woods HOA
  - University of Mary Washington
  - Rotary clubs
  - Friends of the Rappahannock
- Working with the wounded Warrior program
  - Getting our disabled veterans out in the environment

- Working with the Federal Fish and Game
  - Plotting Bald Eagle nests
  - Assisting in recovery of Eagles
- Tree planting
  - Planted 50 trees with the Spotsylvania Issac Walton/Cub Scout troop 22 along the Rapidan watershed property
  - Planted 750 trees along various watershed properties along the Rappahannock.
- Worked with Land developers that border the watershed property to educate the new property owners of the watershed rules
- Performed remediation project where the bulldozer destroyed the watershed property in Culpeper. Used Shitake mycelium to establish a foot hold to stop sediment run off.
- Worked with Stafford County to catch drug dealer. Tracked and found drug cash crop to help in the prosecution of the dealer.
- Worked with Stafford County to patrol The Rocky Pen Dam and reservoir site.
- Numerous calls and meetings with private citizens about, hunting, camping, hiking, paddling & shooting on the watershed property
- Numerous hours on foot, paddle & ATV patrol
- The above items did not result in an illicit discharge.

### **2.3 Local Communication and Involvement**

- Conducted/participated/attended various local meetings on storm water.

### **2.4 Household Hazardous Waste Collection Days**

- September 24, 2011 (Belman Road recycling center)
- May 12, 2012 (regional landfill)

### **2.5 City/Regional Recycling Center Operation**

- City and regional recycling centers operated as follows:
  - Monday – Friday: 8:00 a.m. – 5:00 p.m.
  - Saturday – Sunday: 9:00 a.m. – 3:00 p.m.
  - Closed following days: New Year’s Day, Easter Sunday, Memorial Day, July 4<sup>th</sup>, Labor Day, Thanksgiving Day, Christmas Day.

### **2.6 Curbside Recycling Program**

- Curbside recycling was provided for all city trash accounts
- Total recyclables collected: 1,716,920 pounds = 858 tons
- City total recycling rate for CY2011 = 56.5%

### **2.7 Community Pride Program**

- October 2 - 8, 2011: collected 25.2 tons of bulk trash
- April 1 - 7, 2012: collected 60.98 tons of bulk trash

### **2.8 Residential Bulk Waste Collection Program**

- July 8 – 14, 2012
- January 8 - 14, 2012

### **2.9 Get the dirt Out Program**

- Continued partnership with the Friends of the Rappahannock River on this citizen outreach educational program.

### **2.10 Webpage**

The City's website has been updated and will be scheduled annually for updates on stormwater and the MS4 program.

### **BMP 3**

There is no downstream regulated MS4's to which the City is physically interconnected or connected too.

### **3.2 Training Field Employees**

- Bi-Annual training program and schedule for employee's has been established for municipal operations.
- Additional training material purchased

### **3.3 Investigation of Environmental Crimes**

- No violations to report, the City had no illicit discharges to report for the reporting cycle.

### **3.7 Storm Inlet Stencil Marking**

- Installed permanent medallions on all storm inlets in the MS4 system that read "No Dumping Drains to the Bay"

### **BMP 4**

### **4.7 Stream Baseline Study**

- Started local engagement and the process to develop a schedule for the project

### **BMP 6**

### **6.1 Street Sweeping Program**

- Annual street sweeping program was conducted on all city streets.
- Total amount of street sweeping debris collected: 644 tons (1,288,050 lbs)

### **6.2 Annual Leaf Collection Program**

- Annual leaf collection program was conducted on all city streets.

- A total of 5,786 cubic yards of leaves was collected and transported to landfill
- A total of 1575 bags x 25 lbs = 39,375 lbs transported to landfill

### **6.3 EMS**

The City re-instated the Environmental Management System (EMS) program, which is a set of management processes and procedures that allow an organization to analyze, control and reduce the environmental impacts of its activities, products and services and operate with greater efficiency and control.

### **6.4 Stormwater Inlet Maintenance**

- Storm drain inlets repaired and/or reconstructed: 50
- Storm drain pipes repaired: 5
- Storm drain inlets cleaned: 910
- Storm drain pipes cleaned: 205
- Storm drain ditches cleaned and repaired: 310 locations
- Major projects: none
- Total pounds of debris removed: 6,200 pounds

### **6.5 Litter Control**

- No violations reported

### **6.6 Inlet Trash Guard Program**

- On going with Data collection of samples taken
- Additional inlets identified for installation of guards.

### **Per Section II, B, 4. c. Land Disturbing Report:**

- (1)- 105 regulated land disturbing activities
- (2)- Total Disturbed acreage: 19.944 acre's or 868,775 sqft

## **Appendix D**

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		
Permit No.	Reporting Y	Project Name	Owner	Tax Map #	Type of BMP	Inspect	Inspection	Next Ins	Due Record	Data	Instrumenter	Area	Service	HUC	Impaired	Water
VAR040058		1208 Colony Rd	Jacques Riviere	198-113	Infiltration Bioretention	N/A	Residence		9/28/2009	90002319		0.2	RA46			
VAR040058		1321 Lafayette Boulevard Lafayette	1321 LLC	A11-1321	Structural Bioretention	Yearly	10/31/2009		22-May-08	080001285		4.55	RA46			
VAR040058		407-421 Progress St.	Franklin Howell Enterprises	407-421	Pipe and Pond	Every 3 Yrs	10/31/2009		08-Jun-98	B311P898			RA46			
VAR040058		Applebees	Carl D. Silver	8-89&70	Pipe and Pond	Every 3 Yrs	10/31/2009		24-May-98	9600000864			RA46			
VAR040058		Best Buy	Carl D. Silver	CP-BestBuy	Pipe and Pond	Every 3 Yrs	10/31/2009						RA46			
VAR040058		Bridgewater St.	Rappahannock Community	169-12-24,23,22,21	Pipe and Pond	Every 3 Yrs	10/31/2009						RA46			
VAR040058		Coghill Auto Sales	Wilson Realty, LLC	254-5b-p2	Infiltration Bioretention	Yearly	10/31/2010		10/8/2009	90002413		0.86	RA46			
VAR040058		Copper Land Co.	George & Mary Benoit		Pipe and Pond	Every 3 Yrs	10/31/2009						RA46			
VAR040058		Crestview Apartments	NHC Partnership 4, LP	249-((10)), Parcel P1, P2	Pipe and Pond	Every 3 Yrs	10/31/2009						RA46			
VAR040058		Cullen LTD, LLC	Cullen LTD, LLC	603 Jackson St.	Pipe and Pond	Every 3 Yrs	10/31/2009		20-May-97	B300P441			RA46			
VAR040058		Fairview Baptist Church	Fairview Baptist Church	900 Charlotte St.	Pipe and Pond	Every 3 Yrs	10/31/2009		04-Feb-96	B287P174			RA46			
VAR040058		Fall Hill Apartments	Fall Hill Ltd. Ptnshp	249 113310	Pipe and Pond	Every 3 Yrs	10/31/2009						RA46			
VAR040058	2008	Free Lance Star	William Douglas Prop. LLC	287-105 Parcel B	Infiltration Bioretention	Yearly	10/31/2009		25-Jun-08	080001547		0.004	RA46			Hazel Run
VAR040058	2008	Free Lance Star	William Douglas Prop. LLC	DP-287-105 Parcel B	Pipe and Pond	Every 3 Yrs	10/31/2009		25-Jun-08	080001548		10.2	RA46			Hazel Run
VAR040058	2008	Hughes Horne	Hughes Horne, Inc.	57-1-98	Structural Bioretention	Yearly	10/31/2009		10-Jul-08	080001657		0.84	RA46			Hazel Run
VAR040058	2008	Hughes Home	Hughes Home, Inc.	57-1-98(2A)	Structural Bioretention	Yearly	10/31/2009		10-Jul-08	080001658		0.18	RA46			Hazel Run
VAR040058		Huntington Hills/Oak Hill Greenbrier Center Associate		1-10	Pipe and Pond	Every 3 Yrs	10/31/2009		22-Sep-93	B284P51			RA46			
VAR040058		Kohls	Carl D. Silver	CP-Kohls	Pipe and Pond	Every 3 Yrs	10/31/2009						RA46			
VAR040058		Noble Cars, Inc.	William K. Noble	A18-89A & A18-90	Pipe and Pond	Every 3 Yrs	10/31/2009		09-Sep-05	DB288-Pg403			RA46			
VAR040058		Olde Greenwich	Clarence Bowling, Trustee	Olde Greenwich	Pipe and Pond	Every 3 Yrs	10/31/2009						RA46			
VAR040058		Planet Fun	Gordon R. & Susan M. Shac	292-2303	Pipe and Pond	Every 3 Yrs	10/31/2009						RA46			
VAR040058		Preserve at Smithrun	City of Fredericksburg	249, Parcel B	Pipe and Pond	Yearly	10/31/2009						RA46			
VAR040058		Rappahannock Commu	Rappahannock Community	BL-12-20-21-23-24	Pipe and Pond	Every 3 Yrs	10/31/2009						RA46			
VAR040058		Storage USA	SUSA Partnership LP	A-19-P1A	Pipe and Pond	Every 3 Yrs	10/31/2009						RA46			
VAR040058		Street Dedication	NHC Partnership 4, LP	Crestview Ward 1	Pipe and Pond	Every 3 Yrs	10/31/2009		13-Aug-98	B314P651			RA46			
VAR040058		SWM Pond & Easemen P	Wesley Foster, Jr. & Gaoi	A1-1902 Part of	Pipe and Pond	Every 3 Yrs	10/31/2009		16-Feb-95	B278P297			RA46			
VAR040058		Target	Carl D. Silver	Ponds 1-4	Pipe and Pond	Every 3 Yrs	10/31/2009		20-Jul-95	B281P887			RA46			
VAR040058		TGI Friday's	Greengate-Central Park	CP-TGI Friday's	Pipe and Pond	Every 3 Yrs	10/31/2009		27-Jul-98	B314P812			RA46			
VAR040058	2009	The Shoppes of Westw	Westwood Realty Investmen	280-A-PB	Pipe and Pond	Every 3 Yrs	12/30/2009		30-Jan-09	090000182		1.92	RA46			Hazel Run
VAR040058	2009	U-Haul	Amerco Real Estate Compai	275 2 PB & 275 2 P1B	Structural Bioretention	Yearly	10/31/2009		25-Apr-08	080001016		2.08	RA46			Hazel Run

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
VAR040058	2009 U-Haul		Amerco Real Estate Company	275 2 PB & 275 2 P1B	Infiltration Bioretention		Yearly	10/31/2008	4/25/2008	8E+08	0.98	RA46	Hazel Run	
VAR040058	2009 Wegmans		Carl D. Silver Holding Co., L	312-2-P1D	Structural Bioretention		Yearly	10/31/2008	10-Nov-08	630CLR080002618		RA46	Rappahannock River	
VAR040058	2009 Wellcraft Homes, LLC		Wellcraft Homes Sand Filler	291-3-1455	Infiltration Bioretention		Yearly	10/31/2009	1/29/2008	8E+08	1.68	RA46	Hazel Run	
VAR040058	2009 RACSB		Sunshine Lady House	122-615W	Infiltration Bioretention		Yearly	10/31/2009	2/20/2009	90000361	1.35	RA46	Hazel Run	
VAR040058	2009 Parcel 6 Infrastructure C		Celebrate Va. South LLC	312AapB	Infiltration Bioretention		Yearly		5/22/2009	90001142	7.46	RA45	Rappahannock River	
VAR040058	2010 The Haven		The Haven at Celebrate Virg	312-A-PBD	Infiltration Bioretention		Yearly	9.1.2011	9.1.2010	100001847	3.62	RA45	Rappahannock River	
VAR040058	2010 Virginia Partners Bank		W.M. ST. Partners LLC	312-A-PBD	Infiltration Bioretention		Yearly	9.1.2011	4.14.2009	100001848	0.92	RA45	Rappahannock River	
VAR040058	2010 Virginia Partners Bank		W.M. ST. Partners LLC	82-410	Structural Bioretention		Yearly	4.1.2011	4.14.2009	90002443	0.066	RA46	Rappahannock River	
VAR040058	2010 Old Town Steak & Sea		Gregory Harding	25-1610 & 25-1611	Infiltration Bioretention		Yearly	4.1.2011	4.21.2010	1E+10	0.1375	RA46	Rappahannock River	
VAR040058	2010 Multi-Tenant Building		Celebrate Va. South LLC	312-A-P4A	Infiltration Bioretention		Yearly	5.1.2011	5.25.2010	1E+10	2.68	RA46	Rappahannock River	
VAR040058	2010 Lafayette Group Home		RACSB	130-818	Infiltration Bioretention		Yearly	1.1.2010	1.22.2009	90000834	0.14	RA46	Hazel Run	
VAR040058	2010 Cobblestone Square		City of Fredericksburg	327-PA & 327-PB	Pipe and Pond		Every Three Year	Sep-13	9.10.2009	90002167	22	RA46	Hazel Run	
VAR040058	2011 Calvary Pentecostal Chh		Calvary Pentecostal Church	310-B-2222	Pipe and Pond		Yearly	11.30.2010	11.30.2010	100002428	1.4136	RA46	Hazel Run	
VAR040058	2011 Ulla site		Central Park Parkplace Ho	291-5-1692	Structural Bioretention		Yearly	11.30.2014	11.30.2010	100002790	0.057	RA46	Smith Run to Hazel	
VAR040058	2011 K F C		JRN Inc.	209-7-L9	Infiltration Bioretention		Yearly	9.15.2012	9.15.2012		0.66	RA46	Hazel Run, Rappahan	
VAR040058	2011 Kendalwood Apartment		Capital Investment Advisors,	268 A 213	Infiltration Bioretention		Yearly	9.15.2012	9.15.2012		0.48	RA46	Hazel Run, Rappahan	
VAR040058	2011 415 William Street		Benjamin & Kathryn Wearle	81 415	Infiltration Bioretention		Yearly	9.15.2012	3.17.2011	1.1E+08	0.1	RA46	Rappahannock River	
VAR040058	2011 McDonald's		McDonald's Corporation	86-501214 & 186-50121	Structural Bioretention		Yearly		2.2.2011	1.1E+08		RA46	Hazel Run, Rappahan	
VAR040058	2011 Central Virginia Internal		CVIM Properties, LLC	131-912	Structural Bioretention		Yearly	2.22.12	1.30.12	1.2E+08	0.35	RA46	Kenmore, Rappahan	
VAR040058	2011 1400 Washington Ave		Virginia B.J. Branscome	140 1400	Infiltration Bioretention		Yearly	9.15.2012	11.7.2011	1.1E+08	1.6772	RA46	Kenmore, Rappahan	
VAR040058	2011 Snowden Executive Par		RCH Family, LLC	302 Parcel 130	Structural Bioretention		Yearly	9.15.2012	11.7.2011	1.1E+08	14.9852	RA46	Deep Run, Rappahan	
VAR040058	2011 M&M Auto		JRound, LLC	289-1381	Infiltration Bioretention		Yearly	9.15.2012	2.24.2011	1.1E+08	16.76	RA46	Hazel Run	
VAR040058	2012 Kendalwood Apartments		Maryland Limited Partnersh	268 A 213	Pipe and Pond		Every Three Year	1.31.2015				RA46	Hazel Run	
VAR040058	2009 Patient First		Fredericksburg 35 LLC	291-4-3031	Structural Bioretention		Yearly	1.11.12	12.18.12	9E+07	0.721	RA46	Rappahannock River	
VAR040058	2012 Health South		Health South Corporation	303-2-300	Infiltration Bioretention		Yearly	9.10.2013	10.4.2012	1.2E+08	0.71	RA46	Rappahannock River	
VAR040058	2012 603 Weadon Street		Bobbi Sloakes	120 603	Infiltration Bioretention		Yearly	3.18.2013	3.29.2012	1.2E+08	0.0703	RA46	Rappahannock River	