



**COUNTY OF YORK
VIRGINIA**

**VSMP
ANNUAL REPORT**

FISCAL YEAR 2012

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Summary

This Annual Report is for Fiscal Year 2012 and is being submitted to the Department of Conservation and Recreation (DCR) as part of the County of York's Virginia Stormwater Management Program (VSMP) Permit requirements for the Municipal Separate Stormwater System (MS4), Phase II locality.

The report addresses the status of the six minimum control measures for the fiscal year in York County. (Attachment A)

The six measures are:

1. Public Education – Outreach
2. Public Participation – Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Controls
5. Post Construction Controls
6. Pollution Prevention – Good Housekeeping

It also addresses the plan for the program next fiscal year (FY13) as well as any proposed changes. The County receives assistance with the program from the Hampton Roads Planning District Commission (HRPDC) on the educational, training, tracking and other permitting requirements.

Other sections of the report address the impaired waters in York County that have a Waste Load Allocation (WLA) for the Total Maximum Daily Load (TMDL) of the designated pollutant.

The report includes the number of reported illicit discharges and Land disturbing activities as well as BMP's, Inspections and Maintenance Projects the County has had over the past fiscal year.

A. Background Information

1. County of York –VAR040028
2. Permit Year 4 – FY2012
3. There have been no modifications to the operator’s roles and responsibilities since the permit registration statement submittal dated January 6, 2008.
4. There have been 0 outfalls with acreage of 0 AC added to HUC -- in FY2012.
5. **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: James O. McReynolds

Title: County Administrator

Signature: _____

Date: _____

- B. Status of Compliance With Permit Conditions
1. See Attachment A – Minimum Control Measures FY2012
 - (a) See Attachment A1 – Attendance to Meetings
 - (b) See Attachment A2– Attendance to Training
 - (c) See Attachment A3 – Training Matrix
 - (d) See Attachment A4 – Promotion Giveaway Items List
 - (e) Attachment A5 – Stormwater Advisory Committee Fact Sheets
 - (f) Attachment A6 – Stormwater Construction Maintenance
- C. Results of information collected and analyzed, including monitoring data during reporting period.
1. No information was collected during this time period of July 1, 2011 and June 30, 2012.
- D. Summary of the stormwater activities York County plans to undertake during the reporting cycle July 1, 2012 and June 30, 2013.
1. See Attachment B – Minimum Control Measures FY2013
- E. Changes in any identified Best Management Practices or Measurable Goals for the Minimum Control Measures.
1. There are no changes planned at this time
- F. Notice of York County relying on another government to satisfy some of the permit obligations.
1. See Attachment C – HRPDC MOA
 2. See Attachment D – HRPDC HRSTORM FY12 Annual Report
- G. Status of Programs pursuant to Section II C of the General Permit
1. Not applicable – No programs
- H. Total Maximum Daily Load (TMDL) Information required pursuant to Section I B 9 of the General Permit

1. See Attachment E for the County of York list of Impaired Waters and TMDL Waste Load Allocation (WLA)
 - (a) Attachment E1 – TMDL WLA calculations
 - (b) Attachment E2 – Septic Tank Pump Outs

- I. Illicit Discharges Identified and Resolved pursuant to Section II B 3 of the General Permit
 1. See Attachment F – Impaired Waters Drainage Areas
 2. See Attachment F1 – Hansen database printout
 3. See Attachment F2 SSORS Report

- J. Regulated Land Disturbing Activities Data pursuant to Section II 4 c of the General Permit
 1. See Attachment G – E & S Database (excel spreadsheet)
 2. See Attachment G1 – Hansen Complaints

- K. All known Stormwater Management Facilities (SWMF) in York County pursuant to Section II B5 b (6) of the General Permit
 1. See Attachment H – SWMF Database (excel spreadsheet)
 2. See Attachment H1 – SWMF Inspections

- L. List of Agreements between the County of York and third party, HRPDC, for assistance on portions of Implementation of Minimum Control Measures
 1. See Attachment C – HRPDC MOA

- M. Copies of Written comments during Public comment period regarding the MS4 Program Plans or modifications
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Signature: 

Date: 9-26-12

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1. Public Outreach and Education								
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2012 Status	
1.1	Participate in regional committees: HRSTORM, HR GREEN, RSMC, and SW Phase II Subcommittee					HR STORM Annual Report, MOA, HRPDC Regional Cooperation In Stormwater Management		
1.1a	<i>Regional Cooperation</i>	Renew MOA with the HRPDC to participate in the regional processes, including the Regional Stormwater Management Program, the Stormwater Phase II Subcommittee and HR STORM.	Maintain valid MOA	HRPDC	Continuously	Hampton Roads Regional Stormwater Management Program MOA; Attachment C	MOA will be renewed in FY2013.	
1.1b	<i>HR STORM and HR GREEN</i>	Participate in at least 50% of monthly HR STORM meetings	Number of meetings attended/Number of meetings held	York County	Annually	Attendance Sheet in Attachment A1	Attendance FY12- Attachment A1	
		Participate in annual HR GREEN meetings and subcommittee meetings as appropriate.	Number of meetings attended	York County	Annually	Attendance Sheet in Attachment A1	Attendance FY12- Attachment A1	
		Participate in the development of regional Strategic Plans and Communication Plans for HR STORM and HR GREEN.	Participation	York County	Annually	Meeting Minutes		
1.1c	<i>Stormwater Phase II Subcommittee</i>	Participate in at least 50% of monthly SW Phase II Subcommittee Meetings.	Number of meetings attended/Number of meetings held	York County	Annually	Attendance Sheet in Attachment A1	Attendance FY12- Attachment A1	
		Participate in identifying stormwater education needs and priorities through the HRPDC Phase II Subcommittee.	Participation	York County	Annually		Locally staff identified education priorities at a Phase II stormwater committee meeting in September 2011.	
1.2	Educate citizens on techniques to reduce impacts of stormwater pollution on public waterways with an emphasis on impaired waters.							
1.2a	<i>Distribute educational materials developed through HR STORM.</i>	Distribute materials developed through HRSTORM to target audience in locality.	Number of materials distributed	York County	Continuously	Documentation spreadsheet in Appendix D. Education materials provided by HRPDC.	Attachment A4 Giveaway Items: Attachment D NIE Information	
1.2b	<i>Maintain and enhance HR STORM Website, coordination with other educational programs, and distribution of e-newsletter.</i>	Improve visits and click through rates to industry standard by end of permit cycle	click through rates as compared to industry standard	HRPDC	Permit Cycle		New askHRGreen.com website launched in August 2011.	

1. Public Outreach and Education								
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2012 Status	
1.2c	Ensure distribution of regional environmental tabloid to all 6 th graders and teachers' guides to all 6 th grade teachers	Develop and Distribute environmental tabloids	Number of tabloids distributed	HRPDC	Permit Cycle	Tabloid	Planned for distribution in Fall 2012.	
1.2d	Regional Media Campaign	Participate in the HR STORM regional media campaign which will make impressions with a stormwater message via print, television (local municipal access, cable and local affiliate), and radio with a target of reaching 72% of adults (25-54) three times over.	Demographic, reach and frequency	HRGreen	Annually	Copies of ads	Details of the Hamton Roads media campaign for FY2012 is located in the HRGreen Annual Report.	
1.2e	"Scoop the Poop" Campaign	Make "Scoop the Poop" information and giveaways available where citizens receive animal licenses and at pet-related events as appropriate	Number of giveaways distributed	York County	Annually	Spreadsheet	Attachment A4 Giveaway Items	
1.2f	Plant More Plants	Educate homeowners on the benefits of reducing turf grass and increasing other plants on their property.	Number of materials distributed, number of web hits, and number of media spots.	HRGreen	PY3-PY4	Copy of materials distributed.	Continue to publicize program through website, social media, and blog articles and distribute giveaways provided by DCR at events.	
	Target Garden Centers and Retail Nurseries	Encourage local garden centers and retail nurseries to sign up for DCR's program.	Number of local business members	DCR/HRGreen	PY4-PY5	Copy of materials distributed.	Assist DCR in publicizing the program and signing up local businesses.	
1.3	Illicit Discharge Elimination Education	Identify and prioritize education and training needs for city/county employees through the HRPDC Phase II Subcommittee.	Prioritized list of training needs and number of employees that need training.	York County	End of PY1	Prioritized needs list	completed	
1.3a	Educate public employees on hazards and legal implications of illegal discharges and improper disposal of waste.	Conduct 2 trainings per permit cycle	Number of trainings, and # of attendees	HRPDC	Permit Cycle	Description of training	Planning municipal facility training for Winter 2012.	
		Ensure at least 20% of appropriate employees attend IDDE training(s) coordinated by the HR PDC.	Number of participants/ Number of identified appropriate employees	York County	Permit Cycle	List of attendees	Reference Training attendance sheet	
1.3b	Target local commercial, industrial, and institutional entities likely to have significant stormwater impacts.	Identify and prioritize education needs for businesses, and residential behaviors according to relative risk for producing illicit discharges through the HRPDC Phase II Subcommittee.	List of entities and priorities	York County	Within first 2 years of Permit	Priority list and materials developed	List developed in PY2.	

1. Public Outreach and Education							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2012 Status
1.3c	Educate business owners on hazards and legal implications of illegal discharges and improper disposal of waste.	Distribute educational materials developed through the HRPDC to groups with high risk for producing illicit discharges.	Number of materials distributed.	York County	Permit Cycle	Education materials and distribution list.	In PY4, HRFOG educated food service establishments on the proper techniques for grease trap cleaning. In January 2012, HRFOG completed translating existing educational materials into Spanish and Chinese to expand their outreach.
1.3d	Educate homeowners on hazards and legal implications of illegal discharges and improper disposal of waste.	Promote 58-STORM info line for appropriate contacts in each locality for citizens to report illicit discharges.	Number of calls	HRPDC and locality	post new info in PY1	Script, updated contact lists, phone bill with numbers of calls, logs on any follow up actions.	The 58-Storm line has been discontinued. Locality specific numbers to report illicit discharges are listed on the askHRGreen website.
1.4	Encourage involvement in local water quality improvement initiatives.	Investigate possibility of regional 800 number for illicit discharge reporting. Post volunteer opportunities on local website.	Establish regional line/ number of calls	HRPDC Staff	If feasible, establish line in PY2		This was not deemed to be a feasible alternative. Localities each have their own reporting numbers, and those numbers are referenced on the askHRGreen website.
		Post volunteer opportunities on local website.	Number and types of events	York County	Quarterly	City/Co. website	
		Submit articles for HR Green regional e-newsletter for public participation in water quality improvement initiatives.	Number and types of events submitted	York County	Quarterly	E-newsletter	
		Post volunteer opportunities through HR STORM and/or HR Green	Number and types of events submitted	HRPDC Environmental Educator	Quarterly	websites	

1. Public Outreach and Education							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2012 Status
	Local Advisory Committee	Develop and Distribute environmental fact sheets	Number and types of events	York County SAC	Continuously	Fact Sheets: Easy Steps to Cleaner Stormwater; Homeowners Are Key to Stormwater Control; Off Road Vehicles Impact to Drainage Systems and Wetlands; Stormwater Management for Homeowners Low Impact Development	New Fact Sheet by Stormwater Advisory Committee: Stormwater Management and Pollution controls for small Businesses. See Attachment A
1.5	Diversify strategies to target local MS4 specific audiences.	Expand fact sheet series	Identify and prioritize targets	HRGreen	PY 2		completed
			Produce specific fact sheets	HRGreen	PY 3-5	Fact sheets, e-newsletters, and websites	Car wash rack card for fundraising car washes and residential good housekeeping brochure were developed in FY11, but continued to be distributed in FY12.
	Improve outreach program to address concerns of target audience as well as minorities, disadvantaged audiences, and minors.	Improve outreach to disadvantaged and minority audiences.	Reprint of HR STORM tabloid size newspaper for elementary schools Targeted ads through channels such as CW, BET, and urban radio stations.	HR STORM/ HRGreen HRGreen	PY 1, 3, and 5 Annually	Affradavis from TV and radio	PY1 and 3 complete. PY5 planned.
1.7	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section 1 E of 4VACS0-60-1200	York County	Annually	Annual report	Updated 1.3d and changed HRStorm references to HRGreen to reflect new Regional Education and Outreach organization.

2. Public Involvement/Participation							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2012 Status
2.1	Provide Public Notice of Program Plan and Modifications	Promote the availability of the operator's MS4 Program Plan and any modifications for public review and comment in accordance with public law.	public notice of modifications.	York County	As necessary	Virginia Code reference, updated plan	On Website
2.2	Make Program Plan and other Stormwater Program Information Available to Public	Provide the program plan, stormwater annual reports, the stormwater permit, and the stormwater ordinances on the Cty/County website.	presence of materials on website	York County	Continuously	On Website	http://www.yorkcounty.gov/Default.aspx?alias=www.yorkcounty.gov/stormwater/division
2.3	Participate in local activities to improve water quality	Attendance at various events for environmental education		York County	As appropriate		
	Volunteer Groups	Volunteer groups install Medallions					No volunteers in PY4
	Citizen Advisory Committee	Bimonthly meeting to discuss Stormwater Issues	Meetings and Minutes	York County SAC	Bimonthly	Minutes	Fact Sheet - Stormwater Pollution Controls for Small Businesses
2.4	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section 1E of 4VAC50-60-1200	York County	Annually	Annual report	

3. Illicit Discharge Detection and Elimination							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2012 Status
3.1	Storm Sewer System Map	Map all known outfalls	map # of outfalls catalogued	York County	20% of remaining outfalls annually	map	Mapping outfalls into GIS
		Map surface waters, and impaired waters. Estimate MS4 acreage discharging to each HUC and impaired water.	impaired waters; HUCs	York County	PY1	Registration Statement	See Attachment E for impaired waters list
3.2	Illicit Discharge Detection & Elimination Ordinance	Continue implementing and enforcing the illicit discharge/stormwater ordinance.	number of investigations and actions taken	York County	annually		
3.3	Illicit Discharge Detection & Elimination Procedures	Continue implementing an illicit discharge detection and elimination program for the municipally-owned MS4 within the Urbanized Area.	develop regionally consistent protocol for responding and investigating IDDE	York County	PY1	Investigation forms	Regional Protocol developed
		Track illicit discharge detection and elimination activities.	number of investigations and actions taken	York County	ongoing	See Attachment F1	Complaints resolved
3.4	Prevent or minimize the discharge of hazardous substances and oil in the MS4 stormwater discharge.	Yard inspections; Develop/enhance reporting relationship with FD/Haz Mat Team; targeted education	number of responses/ number of inspections	York County		Inspection forms	
3.5	Cooperation with adjacent MS4s	Identify and notify, in writing, any downstream regulated MS4 to which the small regulated MS4 is physically interconnected of the small regulated MS4's connection to that system.	Develop map, Regional Phase II Stormwater Subcommittee Meetings, letters	York County	PY1	letters; meeting attendance	Completed in PY1
3.6	Report all spills that reach state waters to DEQ and DCR	Report spills to The Department of Environmental Quality's Pollution Response Program (PREP).	Obtain PREP number.	York County	Report in accordance to Section III. G.		No spills reached state waters
3.6a	Report non sewer spills and releases from small MS4 operated properties that reach State waters to DEQ.	Continue to utilize SSORS to report Sanitary Sewer Overflows	Number of overflows	York County	continuously	Attachment F2	Attachment F2
3.7	Continue Sanitary Sewer System Improvements in coordination with SSO consent order	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section I E of 4VAC50-60-1200	York County	Annually	Attachment F3	325 septic systems taken offline
3.8	Evaluation and Assessment					Annual report	

4. Construction Site Storm Water Runoff Control							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2012 Status
4.1	Local Erosion and Sediment Control Ordinance	Continue to implement the site plan review, LID implementation where deemed appropriate, construction site BMP, and inspection provisions of the local Erosion and Sediment Control Ordinance.	# of inspections; # plan reviews; # enforcement actions	E&S Program Administrator	annually		See Attachment G
		"At a minimum be consistent with the VA ESC Law and regulation"	Soil and Water Conservation Board finding of consistency	E&S Program Administrator	continuously	Under Review	Currently under review
		Continue to receive and respond to information from citizens relating to the local erosion and sediment control program through personal visits, email, telephone, and the City/County web page.	# of calls/requests, #site visits	E&S Program Administrator	annually	See Attachment G	See Attachment G1 complaint report
4.2	VSNP Permits	Continue to direct applicants, proposing to disturb an acre or more of land or part of a larger common plan of development or sale that would disturb one acre or more, or >= 2,500 sq. ft. in CBPA areas to VDGR to secure a VSNP Permit for Discharges of Stormwater from Construction Activities. Ensure permit has been obtained.	#of permit applications and permits issued.	E&S Program Administrator	Continuously	VSNP is required prior to issuance of local permit	Evidence of VSNP permit is requested for all appropriate permits prior to issuance of local permit
4.3	Training	Participate in the development of at least one regional contractor training session during the life of the permit.	Trainings Completed	HPPDC & Phase II SW Committee	One per permit cycle	training sessions and eval forms	Planned for PYS
		Ensure that plan reviewers, inspectors, and program administrators obtain the appropriate certifications as required under the Erosion and Sediment Control Law	certifications obtained	E&S Program Administrator	ongoing		All certifications current
4.4	Tracking and Reporting	Continue to track and report the total number of permitted land disturbing activities as well as the total disturbed acreage.	number of permits & acres disturbed	E&S Program Administrator	annually	Annual Report	Compliance with this measurable goal is met through the submission of this annual report.
4.5	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section I E of 4VA/CSO-60-1200	York County	Annually	Annual report	Update Ordinances to be compliant

5. Post Construction Storm Water Management in New Development and Redevelopment

BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2012 Status
5.1	Stormwater Management Ordinance	Continue to implement the stormwater criteria of the Stormwater Management Ordinance for new development and redevelopment, and update ordinance to comply with Section 11.5.a of the General Permit.	Ordinance updates	SW Program Administrator		Ordinance	Continue to implement
5.2	Encourage the use of Low-Impact Development (LID)	Encourage the use of LID as appropriate to local/regional conditions.	Conduct LID workshop for Hampton Roads localities	HRPDC	PY2		completed
		Develop fact sheet/checklist to help developers and local staff determine appropriateness of LID for project(s)	Checklist developed	HRPDC & Regional Stormwater Mgt. Committee	PY2	Factsheet	Planned for PYS
5.3	VSMWP Permits	Continue to direct applicants, proposing to disturb an acre or more of land or part of a larger common plan of development or sale that would disturb one acre or more, or >= 2,500 sq. ft. in CBPA areas to VDCR to secure a VSMWP Permit for Discharges of Stormwater from Construction Activities.					Continue to direct applicants
5.4	BMP Maintenance Agreements	Require BMP maintenance agreements as directed by the Stormwater Management Ordinance.	# of agreements & inspection schedules	SW Program Administrator	Ongoing	Maint. Agreements	See Attachment H
5.5	BMP Maintenance Program	Update mapping of locally owned structural stormwater controls with reference to HUC and any impaired waters in drainage area.	map	SW Program Administrator	As needed	map	Mapping Updated
		Develop schedules for regular inspection and maintenance of locally owned stormwater control structures in accordance with SWM regulations.	Inspections	SW Program Administrator	Annually	PARS	
5.6	Site Inspection and Enforcement	Conduct site inspections	#inspections & Reinspections, NOVs	SW Program Administrator	As designated	PARS	See Attachment H
5.7	BMP Tracking	Track all known permanent stormwater management facilities that discharge to the regulated small MS4 and submit the following information: (a) Type of structural stormwater management facility installed as defined in the Virginia Stormwater Management Handbook; (b) Geographic location (HUC); (c) Where applicable, the impaired surface water that the stormwater management facility is discharging into; (d) Number of acres treated.	#&type of BMP, location, watershed, acres treated, impaired waters	SW Program Administrator	Annually	via PARS	See Attachment H
5.8	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section 1 E of 4VAC50-60-1200	York County	Annually	Annual report	Added a full time BMP inspector on Staff

Submitted to DCR by (insert locality) on (date)

6. Pollution Prevention/Good Housekeeping for Municipal Operations							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2012 Status
6.1	Employee Education & Training	Identify and prioritize pollution prevention education and training needs for municipal employees based on relative risk for stormwater pollution from municipal operations through the HRPDC Phase II Subcommittee. Develop training materials to eliminate illicit discharges from storage yards, fleet or maintenance shops, outdoor storage areas, rest areas, waste transfer stations, and other municipal facilities.	Training Schedule	HRPDC & Localities	1 during permit cycle	training schedule	completed.
		Develop and distribute training materials to inform employees on proper waste disposal techniques.	Develop fact sheets	HRPDC	Permit Cycle	Training documents	Planned for PY5
		Educate local government employees on protecting soluble and erodible materials from exposure or precipitation.	Develop fact sheets	HRPDC	Permit Cycle	Training documents	Planned for PY5
		Educate local government employees on proper techniques for fertilizer and pesticide application.	Develop fact sheets	HRPDC	Permit Cycle	Training documents	Planned for PY5
		Distribute pollution prevention educational materials developed through the HRPDC/HRSTORM to municipal employees engaging in operations with a high risk of discharging pollutants into the MS4.	# of items distributed	HRPDC & Localities	annually	E-newsletter, training materials	Planned for PY5
		Participate in at least one regional annual training workshop for municipal employees engaging in operations with a high risk of discharging pollutants into the MS4 coordinated by the HRPDC Phase II Subcommittee.	# employees attending	SW Program Administrator	annually	Training outline	
6.2	Spill Prevention & Control Plans	Develop plans describing spill prevention and control procedures for municipal facilities by end of FY 2.	SOP	SW Phase II Subcommittee	PY2	SOP	completed
		Determine any educational needs for employees and develop appropriate training and/or materials.	Training assessment	SW Ph II Subcommittee	1X per permit cycle	Training Schedule	training schedule complete.
6.3	Operations & Maintenance Program	Document or develop formal O&M Program for municipally owned stormwater facilities to include activities, schedules, and inspection procedures that include provisions and controls to reduce pollutant discharges into the regulated small MS4 and receiving surface waters.	O&M Plan	York County	By the end of the permit cycle	O&M Plan	
6.4	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section I E of AVACSO-60-1200	York County	Annually	Annual report	

TMDL SPECIAL CONDITIONS (effective starting January 8, 2010)							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY 2012 Status
7.1	List Program Plan components related to source reduction of pollutants indicated in W/LAs.	Develop list of current ordinances and legal authorities, BMPs, policies, plans, procedures and contracts implemented as part of the MSA Program that are applicable to reducing bacteria from lands draining to watershed segments with a bacteria TMDL for wh	List	York County	End of PY2	List of applicable components.	Completed in PY 2 See attached Ordinance Program List
7.2	Evaluate Program Plan for effectiveness to reduce pollutant indicated in W/LAs.	Use checklist created by HRPDC to evaluate ordinances and program elements	Checklist	HRPDC and Locality	End of Permit Cycle		Planned
7.3	Develop a schedule to address Program Plan deficiencies at addressing bacteria pollution delivered to TMDL waterbodies.	Review water quality data collected by DEQ to track water quality improvements for bacteria. Schedule to update program components and ordinances identified in BMP 7.2	Data summary schedule	locality/HRPDC York County	Annually End of Permit Cycle	Water quality data summary schedule	Bacteria study still underway through HRPDC includes YC Pogouson River
7.4	Implement Schedules in 7.3	List of limited legal authorities that need to be addressed by the General Assembly.	List	York County	Permit Cycle	List	
7.5	Public education and outreach to promote bacteria source reduction.	Implementation according to schedules developed under 7.3 Continue to promote public education through HISTORV and activities listed under BMP 1.2 of Program Plan.	Implementation	York County	According to 7.3	Progress Report	
7.6	Participate as a stakeholder in the development of TMDL Implementation Plans	Participate in TMDL Implementation Plan for "Pogouson and Back Rivers"	As defined in 1.2	locality/HRPDC	Annually	Implementation Plan	Developed
7.7	Outfall Reconnaissance	Develop outfall reconnaissance procedures as outlined in 4VAC50-60-1240 Section 1.B.5	Participation	York County	Permit Cycle	Implementation Plan	
7.8	Evaluate properties owned or operated by MS4 that may contribute bacteria to TMDL waterbody.	Develop outfall reconnaissance of X outfalls from MSA area within X drainage area. Identify outfalls from MSA area to X drainage area. Develop list of land use categories that could contribute bacteria.	Reconnaissance Plan X outfalls Map of outfalls List	York County York County York County	Beginning in PY3 Annually End of Permit Cycle End of PY2	Reconnaissance Reports. Map and Report.	See Attachment H2
7.9	Characterize volume of stormwater and bacteria concentrations delivered from MS4 areas to TMDL waterbodies.	Map County owned properties within MSA area that drains to Pogouson and Back Rivers Identify County properties with potential to generate bacteria pollution. Conduct site review of identified County properties in accordance with 4VAC50-60-1240 Section 1.B.6 Develop schedule to reduce any discharges found during review described in 4VAC50-60-1240 Section 1.B.6 Implement schedule produced in accordance with 4VAC50-60-1240 Section 1.B.6c	Map List Site Review schedule	York County York County York County York County	End of PY3 End of PY2 January 2013 End of Permit Cycle In accordance with schedule	Map List	
7.1a	Update Program Plan as necessary to include new TMDL information.	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section 1 E of 4VAC50-60-1200	York County	Annually		Compliance with this measurable goal is met through the submission of this annual report.
7.1a	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.		York County	Annually		Changes Highlighted

List of Ordinances or MS4 Program Components that address Reduction of Bacterial Pollution from MS4 Area

Source Category	Ordinance Citation	Ordinance Summary	Program Component
Pet Waste		leash law	Scoop the Poop Program and Materials distribution
		waste pick up ordinance	Pet waste stations
		kennel/vet ordinances	
Illicit Discharges	Chapter 23.3 Stormwater Ord.	IDDE ordinance	reconnaissance program
	Chapter 18.1 Sewer Ord.	Ches Bay Requirements Septic ordinances ordinances related to requirements to hook into available sewer (mandatory hookup?)	Mailers to homeowners on pumpout requirements Septic education Septic Surveys (inventories or site inspections) See Attachment E3 Plans to extend sewer service County has CIP Program to extend sewer
Wildlife	Chapter 4 Animals & Fowl	Ordinance to forbid feeding of 'nuisance' wildlife	Identify nuisance wildlife areas (resident geese) Education/outreach on activities to discourage accumulation of wildlife (resident geese)
	Art. II Sec 4-20(b) Livestock -21 Manure Storage -22 Manure as fertilizer		
	Chapter 18.1 Sewer Ord.	hookup requirements	Activities related to SSO program
Utilities			coordination between Utilities and Stormwater programs Mandatory Hookup
	Chapter 23.2 Chesapeake Bay Ordinance	Buffer requirements any LID ordinances	Any buffer incentive programs Any land conservation programs
General Stormwater Controls		any stormwater program ordinances that reference pollutant or volume control of runoff for new development.	LID incentive programs or demo projects Runoff reduction education activities
	Chapter 23.3 Stormwater Ord.		Inventory/assessment of structural BMPs in relevant area.
Source Identification			Regional Bacteria Study any monitoring activities

Phase II Meeting Attendance FY 11-12

	Phase I and II		Phase I and II	Phase I and II	Phase I and II		Phase I and II		# Meetings	% Attended				
Meeting Dates	7/27/2011	8/24/2011	9/28/2011	10/19/2011	11/16/2011	12/21/2011	1/18/2012	2/15/2012	3/21/2012	4/18/2012	5/16/2012	6/20/2012		
Phase II Localities:	1	1	1	1	1	1	1	1	1	1	1	1	12	
Isle of Wight County	1	1	1	1	1	-	-	1	1	1	1	1	10	83%
James City County	-	1	1	-	1	1	1	1	1	-	1	-	8	67%
Poquoson	1	1	1	1	1	1	1	1	1	1	1	1	12	100%
Suffolk	1	1	1	1	1	1	1	1	1	1	1	1	12	100%
Williamsburg	1	1	-	1	-	1	-	1	1	1	1	-	8	67%
York Co.	1	1	1	1	1	1	1	1	1	1	1	1	12	100%

	11-Jul	11-Aug	11-Sep	11-Oct	11-Nov	11-Dec	12-Jan	12-Feb	12-Mar	12-Apr	12-May	12-Jun		
Chesapeake	Elizabeth Vaughn		No Meeting			Elizabeth Vaughn	Elizabeth Vaughn	Elizabeth Vaughn	Elizabeth Vaughn	Elizabeth Vaughn	No Meeting	Elizabeth Vaughn		
Gloucester				Ron Owens				Ron Owens						
Hampton		Cris Ausink		Cris Ausink	Cris Ausink	Cris Ausink	Cris Ausink	Cris Ausink	Cris Ausink	Cris Ausink		Cris Ausink		Cris Ausink
Isle of Wight	Gretchen Gonzales	Gretchen Gonzales		Gretchen Gonzales								Melissa Lindgren		
James City County	Suzanne Dyba	Suzanne Dyba			Suzanne Dyba	Suzanne Dyba	Suzanne Dyba	Suzanne Dyba	Suzanne Dyba	Suzanne Dyba		Suzanne Dyba		Suzanne Dyba
Newport News				David Kuzma						David Kuzma		David Kuzma		
Norfolk	Fleta Jackson			Fleta Jackson			Fleta Jackson	Gina Shaw	Fleta Jackson	Fleta Jackson		Fleta Jackson		
Poquoson	Sherry Coffey	Sherry Coffey			Sherry Coffey	Sherry Coffey		Sherry Coffey	Sherry Coffey	Sherry Coffey		Sherry Coffey		
Portsmouth	Zach Jones	Zach Jones		Zach Jones	Zach Jones	Zach Jones	Zach Jones	Zach Jones	Zach Jones	Zach Jones		Zach Jones		Zach Jones
Smithfield	Wayne Griffin				Wayne Griffin									
Suffolk		Erin Rountree		Erin Rountree	Erin Rountree	Erin Rountree	Erin Rountree, Shinon Clark	Shinon Clark	Shinon Clark	Shinon Clark		Shinon Clark		Shinon Clark
Virginia Beach	Bill Johnston			Bill Johnston		Bill Johnston	Bill Johnston, Helen Kuhns	Bill Johnston, Helen Kuhns	Bill Johnston, Helen Kuhns	Bill Johnston, Helen Kuhns		Bill Johnston		Bill Johnston, Helen Kuhns
Williamsburg		Tammy Rojek	Tammy Rojek	Tammy Rojek								Tammy Rojek		
York		Connie Bennett	Amy Green	Amy Green					Amy Green	Amy Green				

Phase II Stormwater Training Topics

Referenced in the following Program Plan Components: 1.1c, 1.3a, and 6.1

Topic	Last offered	Previous dates	Planned	Notes
Fleet Maintenance	Mar-05			No longer a priority, just include vehicle washing SOPs under Pollution Prevention Training.
Landscaping	Mar-06			
IDDE	Oct-09	5/1/2007, 2/1/2008	Winter 2012/Spring 2013	Will likely combine with Pollution Prevention Training.
General Pollution Prevention	Feb-09	Mar-04	Winter 2012	
Parks & Open Space Mgt. (Nutrient Management)	Mar-11			

Note: Training topics are reviewed and prioritized at least twice during the permit cycle.

Topics were reviewed and prioritized most recently at the September 2011 Ph II meeting, as documented in the meeting summary kept on file at the HRPDC.



GREAT AMERICAN CLEANUP 2012

CHESAPEAKE HAMPTON ISLE OF WIGHT JAMES CITY PORTSMOUTH NEWPORT NEWS NORFOLK POQUOSON SMITHFIELD SUFFOLK VIRGINIA BEACH WILLIAMSBURG YORK



PEP-12-07



HAMPTON ROADS PLANNING DISTRICT COMMISSION

DWIGHT L. FARMER
EXECUTIVE DIRECTOR/SECRETARY

CHESAPEAKE

AMAR DWARKANATH
ERIC J. MARTIN
SCOTT MATHESON
DEBBIE RITTER

* ELLA P. WARD

FRANKLIN

* R. RANDY MARTIN
BARRY CHEATHAM

GLOUCESTER COUNTY

* BRENDA G. GARTON
ASHLEY C. CHRISCOE

HAMPTON

MARY BUNTING
VACANT

* MOLLY JOSEPH WARD

ISLE OF WIGHT COUNTY

W. DOUGLAS CASKEY

* DELORES DARDEN

JAMES CITY COUNTY

* MARY K. JONES
ROBERT C. MIDDAGH

NEWPORT NEWS

NEIL A. MORGAN

* MCKINLEY L. PRICE
SHARON P. SCOTT

NORFOLK

ANTHONY L. BURFOOT

* PAUL D. FRAIM
THOMAS R. SMIGIEL
MARCUS JONES
ANGELIA WILLIAMS

POQUOSON

W. EUGENE HUNT, JR.

* J. RANDALL WHEELER

PORTSMOUTH

KENNETH L. CHANDLER

* KENNETH I. WRIGHT

SOUTHAMPTON COUNTY

RONALD M. WEST

* MICHAEL W. JOHNSON

SUFFOLK

* SELENA CUFFEE-GLENN

LINDA T. JOHNSON

SURRY COUNTY

* TYRONE W. FRANKLIN

JOHN M. SEWARD

VIRGINIA BEACH

HARRY E. DIEZEL

ROBERT M. DYER

BARBARA M. HENLEY

* LOUIS R. JONES

JOHN MOSS

JAMES K. SPORE

JOHN E. UHRIN

WILLIAMSBURG

CLYDE A. HAULMAN

* JACKSON C. TUTTLE

YORK COUNTY

* JAMES O. McREYNOLDS

THOMAS G. SHEPPERD, JR.

*EXECUTIVE COMMITTEE MEMBER

PROJECT STAFF

JOHN M. CARLOCK, AICP
JULIA B. HILLEGASS
KATIE R. CULLIPHER
LISA L. HARDY

FRANCES HUGHEY

MICHAEL LONG
CHRISTOPHER W. VAIGNEUR
RICHARD CASE

HRPDC DEPUTY EXECUTIVE DIRECTOR
PUBLIC INFORMATION/COMMUNITY AFFAIRS ADMINISTRATOR
SENIOR ENVIRONMENTAL EDUCATION PLANNER
PHYSICAL AND ENVIRONMENTAL PLANNER

ADMINISTRATIVE ASSISTANT

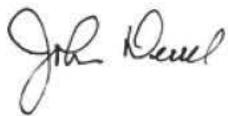
GENERAL SERVICES MANAGER
ASSISTANT GENERAL SERVICES MANAGER
FACILITIES SUPERINTENDENT

Hampton Roads Hosts National Kickoff

Dear Great American Cleanup Friends & Supporters,

It was my privilege and honor to help coordinate this region's proposal to Keep America Beautiful for this event and see it through to a successful completion. It is a tribute to every one of the participating localities as well as the Hampton Roads Planning District Commission and Keep Virginia Beautiful that there was a strong spirit of cooperation and commitment toward the goals of the program. It was particularly gratifying to see new representation and interest in askHRgreen.org that I had not seen before from some members. The results were both visual and experiential as so many citizens of our region were engaged in positive stewardship.

Sincerely,



John Deuel
Project Manager
Hampton Roads Great American Cleanup

Executive Director
Keep Norfolk Beautiful



RESULTS OVERALL

- 1,781 volunteers
- 92 sites
- 13 participating localities
- 48 corporate/military/neighborhood groups
- 124,862 pounds of litter/debris
- 86 trees planted
- 818 plants & shrubs planted
- 248 structures painted
- removal of invasive species
- 515 pounds of household hazardous waste collected
- construction of bear playground for the Virginia Zoo
- landscaping of shelters
- plastic bag recycling and distribution of reusable bags



Great American Cleanup 2012

Green Starts Here in Hampton Roads

Through the partnership of askHRgreen.org and Keep Virginia Beautiful, Hampton Roads was selected as one of 10 national locations for Keep America Beautiful's 2012 Great American Cleanup™ National Action Days. The Great American Cleanup is the largest grassroots community involvement program in the United States. The launch of the Hampton Roads cleanup events, April 27-28, represented the only designated event in Virginia and involved over 1,700 volunteers transforming local parks, waterways and recreational areas into cleaner, greener environments.

For our 2012 National Action Days, Hampton Roads localities hosted and organized individual “transformational” community improvement projects that involved the help of 25 or more volunteers per project, for a half day of work. The idea was to connect Hampton Roads volunteers with projects that are meaningful to their community. Hampton Roads businesses and military servicemen and servicewomen were also invited to form their own cleanup teams to work on projects as a group. In addition, community and environmental leaders applied to spearhead their own projects.

**#GREEN
STARTS
HERE**

2012 Great American Cleanup™ National Action Days

Partners:

**KEEP VIRGINIA
BEAUTIFUL**



The mission at Keep Virginia Beautiful (KVB) is to engage and unite Virginians

to improve the natural and scenic environment. KVB's goals include becoming the leading statewide voice, providing a framework for improved communication and collaboration, cultivating and supporting sustainable programs, and engaging citizens by linking them to volunteer opportunities and information about 5 impact areas: Litter Prevention, Recycling, Waste Reduction, Beautification, and Education. Visit keepvirginiabeautiful.org for more information.

askHRgreen.org

ASKHRGREEN.ORG

askHRgreen.org is a public awareness program of the 16 cities and counties of Hampton Roads administered through the Hampton Roads Planning District Commission (HRPDC), which encourages environmental stewardship among all residents here in southeastern Virginia. Members of askHRgreen.org include the cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg; the counties of Gloucester, Isle of Wight, James City, Southampton, Surry and York; and the Hampton Roads Sanitation District (HRSD). Visit askHRgreen.org for more information.

Hampton Roads Hosts National Kickoff

Volunteer Groups

Volunteer groups from local corporations, military commands and civic groups contributed greatly to the success of our cleanup! We would like to thank the following groups:

Boy Scouts Troup 195
Disney Store
DOC Spartans
Emmaus Baptist Church, Poquoson
GEICO
Grimtown Records
Hampton University
Kecoughtan High School Honors Ecology Class
Key Club, Poquoson
Kiwanis Club, Poquoson
Langley Air Force Base
Lodge of Kings, Fort Eustis
Mercy Seat Baptist Church Youth Group
Naval Medical Center Portsmouth
Numerous Civic and Neighborhood Organizations
Omega Psi Phi Fraternity Inc. of the Suffolk Chapter
PCD Arlington
Parrotheads of the Peninsula
Rehoboth Baptist Church
Riverdale Regional Civic Association
Starbucks
St. Timothy's Church, Poquoson
US Army 688th Rapid Port Opening Element
US Coast Guard Shore Infrastructure Logistics Center
US Navy and Marine Corps Intelligence Training Center
US Navy Fleet Area Control and Surveillance Facility, Virginia Capes
US Navy Helicopter Sea Combat Squadron Nine
US Navy Naval Computer & Telecommunications Area Master Station Atlantic
USS Harry S. Truman
WellPoint Foundation

Honorary Board

Thank you to our Honorary Board members who supported us throughout the event.

RADM Townsend Alexander, *US Navy*
Honorable Doug Domenech, *Virginia Secretary of Natural Resources*
Mayor Paul Fraim, *City of Norfolk*
Mayor Clyde Haulman, *City of Williamsburg*
Mayor W. Eugene Hunt, Jr., *City of Poquoson*
Mayor Linda Johnson, *City of Suffolk*
Chair Mary Jones, *James City County*
Honorable Maureen McDonnell, *First Lady of Virginia*
President & CEO Matt McKenna, *Keep America Beautiful*
Mayor McKinley Price, *City of Newport News*
Mayor William Sessoms, Jr., *City of Virginia Beach*
Chair Thomas G. Shepperd, Jr., *York County*
Captain Frederick J. Sommer, *US Coast Guard*
Chair John M. Steward, *Surry County*
Mayor Molly Ward, *City of Hampton*

Thank you!

Great American Cleanup 2012

BUDGET

\$3,893	Public Relations Support provided by Cahoon and Cross
\$6,568	Creative Support provided by Red Chalk Studios
\$13,904	Paid Media Campaign
\$418	Polar Plunge Event (printing)
\$1,333	Green Starts Here Event Expenses (volunteer recognition)
\$6,750	Volunteer Recognition Gifts
\$552	Volunteer Food
<hr/>	
\$33,418	Total Budget for askHRgreen.org
\$4,750	Total Expenses covered by Keep Virginia Beautiful

MEDIA

PAID MEDIA

WAFX-FM Classic Rock (40) 0:30 spots

WNOR-FM (30) 0:30 spots

WJ01-FM (40) 0:30 spots

Virginian-Pilot (2) quarter-page black & white ads

Daily Press (2) quarter-page color ads and online banner ads

FACEBOOK thumbnail ads

IN-KIND FROM SPONSORS

Adams Outdoors Advertising: electronic billboards on I-64 west of the Hampton Roads Bridge Tunnel

Hampton Roads Chamber of Commerce: online Member News ad and monthly e-newsletter, flyers at State of the City events

Virginia Peninsula Chamber of Commerce: e-newsletter ad, distributed flyers at events

Retail Alliance: weekly e-newsletter ad, information table at Media Fest

Hampton Roads American Marketing Association: flyers at monthly luncheon

Special Olympics Virginia: information table at Polar Plunge, flyers in goodie bags

WAFX and WNOR: (2) interviews on Mike Arlo's "Focus on Hampton Roads" show, 115 recorded/live liners, 75 0:30 pre-records, event listing on Community Pages

MEDIA COVERAGE

Daily Press 3/8

Daily Press "Diggin' In" gardening column 3/21

Green Living Insert, Virginian-Pilot/Daily Press 4/18

Hampton Roads Messenger - April 2012

Inside Business

James River Journal 2/20

The Chesapeake Clipper 4/6

The Portsmouth Currents 4/1

The Portsmouth Currents editor's letter 4/1

The Virginia Beach Beacon 3/25

The Virginian-Pilot 3/31

The Virginian-Pilot "Gracious Living" 4/1

The Virginian-Pilot "Sunday Forum" (editorial) 4/8

WNN-TV 48 "Norfolk Perspectives" aired 2/19

WVEC-TV "Dialogue" aired 3/11

WVEC-TV "Dialogue" aired 4/22

WVEC-TV Noon News aired 3/27

Yorktown Crier and Poquoson Post 3/7



Great American Cleanup 2012

Community Support & Sponsorships

With the generous support of local businesses, we were able to raise \$24,800 with \$4,800 in expenses for a net of \$20,000. \$10,000 will go to support future Keep Virginia Beautiful initiatives and \$10,000 will be divided by the participating localities for future cleanup project grants.

TIER 1 SPONSORS

WAFX and WNOR*
Walmart

TIER 2 SPONSORS

Adams Outdoors Advertising*
Farm Fresh
Hampton Roads Chamber of Commerce*
Retail Alliance*
Virginia Peninsula Chamber of Commerce*
Virginia Zoo*

TIER 3 SPONSORS

Anheuser-Busch, Inc. – Williamsburg Brewery
Five Points Community Farm Market – Get Fresh Café *
GEICO
Hampton Roads American Marketing Association*
Jones Printing Services, Inc. *
Newport News Shipbuilding
Shula's 347 Grill – Norfolk Waterside Marriott*
Signs By Tomorrow – Chesapeake*
Special Olympics Virginia*
Virginia Green
Volunteer Hampton Roads*

* Denotes in-kind sponsorship



National Support & Sponsorships

askHRgreen.org and Keep Virginia Beautiful would like to acknowledge the following national supporters of the Hampton Roads cleanup efforts: Troy-Bilt® for providing landscaping tools; Solo® for dinnerware provided for the volunteer recognition event; Pepsi® for volunteer recruitment and event banners; Glad® for providing Glad trash bags; and all the other sponsors of Keep America Beautiful's Great American Cleanup for their coordination and promotional support.



Great American Cleanup Project Sites

City of Chesapeake

*Gladys Jones, Parks & Recreation Office Coordinator
City of Chesapeake*

The Great American Cleanup Kickoff was a huge success in Chesapeake. One hundred forty-three volunteers collected 528 pounds of litter and planted 53 trees and 502 shrubs and flowers. The collaboration between the City, businesses, the community and the military volunteers are a perfect example of a successful public/private partnership. The enthusiasm and community pride is evident by the many compliments received from the community.

BAINBRIDGE BLVD. AND FREEMAN AVE. GATEWAY BEAUTIFICATION

The gateway beautification project included planting trees, shrubs and flowers in the median and along the roadside on Freeman Ave. from Bainbridge Blvd. to the I-464 exit. Sims Metal Management, a national company whose local office is near the beautification site, donated money to purchase the large trees and prepare the beds for planting. Volunteers from US Navy Helicopter Sea Combat Squadron Nine, the Girl and Boy Scouts, community organizations, businesses, families, and individuals helped to plant the shrubs and flowers, pick up trash and paint murals on the pump station.

INDIAN RIVER PARK CLEANUP

Community volunteers, assisted by the Girl Scouts, Indian River High School, and the Eastern Virginia Mountain Bikers Association, helped pick up litter

at Indian River Park, a park frequently used by mountain bikers.

STREAM CLEANUP AT CHESAPEAKE ARBORETUM

Volunteers from the United States Coast Guard Shore Infrastructure Logistics Center picked up litter and debris from the stream that runs through the Chesapeake Arboretum.



FREEMAN AVE /
BAINBRIDGE BLVD
chesapeake, va



RESULTS

- 143 volunteers
- 528 pounds of litter/debris
- 53 trees planted
- 502 plants and shrubs planted

Great American Cleanup Project Sites

City of Hampton

*Debbie Blanton, Clean City Coordinator
City of Hampton*

The Great American Cleanup sites in Hampton were schools because our community cares deeply about our schools and works hard to care for and nurture them. Many thanks to the Hampton Housing and Neighborhood Services Office, the Hampton City Schools staff and volunteers, the neighborhood associations near the schools, and the Hampton Clean City Commission volunteers who all worked so hard to make these projects successful!

KEEP ABERDEEN BEAUTIFUL

Volunteers from the Aberdeen Garden Historic and Civic Association and from Aberdeen Elementary School helped pick up litter and plant flowers at the elementary school. In addition to these tasks, volunteers swept up an uncountable number of sweet gum balls from the playground areas.

KEEP BURBANK BEAUTIFUL

Volunteers from the Burbank Elementary School family of students, parents and staff, the Riverdale Regional Civic Association, Langley Air Force Base, and Hampton University helped pick up litter and debris, weed landscape beds, and plant flowers at the elementary school. Volunteers also picked up sweet gum balls from the school grounds that were then taken to the Master Gardeners' demonstration garden at Bluebird Gap Farm to be made into biochar that will be returned to the school's plant beds.

RESULTS	112	volunteers
	815	pounds of litter/debris
	8	trees planted
	100	plants and shrubs planted



ABERDEEN SCHOOL
hampton, va

KEEP COOPER BEAUTIFUL

Volunteers from the WellPoint Foundation and the US Army helped pick up litter and plant flowers at the elementary school.

COMMANDER SHEPPARD BOULEVARD CLEANUP

Volunteers from Langley Air Force Base 438 SCOS helped pick up litter along Commander Sheppard Boulevard.

KECOUGHTAN HIGH SCHOOL CLEANUP

Volunteers from the Kecoughtan High School Honors Ecology Class helped pick up litter at the school.

TODDS LAND CLEANUP

Volunteers from the Mercy Seat Baptist Church Youth Group helped pick up litter along Todds Lane.

VILLAGE DRIVE CLEANUP

A volunteer helped pick up litter along Village Drive.

Great American Cleanup Project Sites

Isle of Wight County

*Ralph Anderson, Solid Waste Manager
Isle of Wight County*

Isle of Wight County was pleased to participate in the Great American Cleanup. "Isle Be Green," the County's recycling program, was pleased with the turnout at its events. The County partnered with the Disabled American Veterans (DAV) Thrift Store in Smithfield and the Farm Fresh Supermarket to host two bag giveaway events. Staff was able to speak with residents about our recycling brochure and other initiatives currently going on in the County.

In addition, Isle of Wight County hosted a cleanup day at Tyler's Beach. This effort was much needed, and the turnout reflected the local support for maintaining the aesthetic appeal of the area for County residents and tourists alike.

The events helped to gain further exposure for "Isle Be Green," and to further educate residents and visitors about the importance of recycling in keeping our community beautiful.

"ISLE BE GREEN" PLASTIC BAG COLLECTION

Volunteers collected plastic bags for recycling and in exchange, gave out reusable shopping bags. The event was also an opportunity for citizens to learn about the county's recycling program.

RESULTS	29	volunteers
	12,160	pounds of litter/debris
	250	reusable bags given away (5 lbs plastic bags collected)

ROADWAY CLEANUP

Volunteers helped pick up litter and debris for three miles along Mill Swamp Road.

TYLER'S BEACH WATERWAY CLEANUP

Volunteers helped cleanup along Tyler's Beach waterway, a well-used area for fishing.



PLASTIC BAG RECYCLING
isle of wight county, va
WATERWAY CLEANUP



Great American Cleanup Project Sites

James City County

*Dawn Oleksy, Environmental Coordinator
James City County*

All of the staff at James City County want to thank the many volunteers who devoted their time and energy to making this cleanup such a success. Because of their efforts our community is lovelier than ever with pristine shorelines and trails, litter-free roadways and the eradication of several dump sites. Your commitment and dedication to our community is what makes this such a beautiful place to live, work and play!

BEAUTIFICATION OF IRONBOUND SQUARE REGIONAL STORMWATER BMP

Corporate volunteers from Anheuser Busch and their families planted wax myrtles in the Ironbound Square Neighborhood's stormwater BMP to help filter pollutants and stabilize the shoreline which will help to improve the efficiency of the BMP.

JAMES RIVER ASSOCIATION SELF-DIRECTED TRASH PROGRAM

A group of volunteers from the Fairways Villas neighborhood worked with the James River Association to choose a cleanup location of their choice.

WARHILL SPORTS COMPLEX CLEANUP

Volunteers from Cub Scout Pack 107 helped pick up litter around the ponds at the Warhill Sports Complex.

CHICKAHOMINY RIVERFRONT PARK CLEANUP & SHORELINE BEAUTIFICATION

Volunteers from the local VFW and community members helped clean up the shoreline, campsites and fishing pier at the Chickahominy Riverfront Park.

COLLEGE CREEK CLEANUP

Volunteers helped pick up litter along College Creek.

JAMES CITY COUNTY GENERAL SERVICES BUILDING

Corporate volunteers from Anheuser Busch and their families helped create a rain garden to minimize stormwater runoff and beautify the entrance to the General Service Building.

JAMESTOWN MARINA

Several families from the community removed litter and debris from the shoreline and inland trails.



**CHICKAHOMINY
RIVER CLEANUP**
james city county, va



RESULTS

197 volunteers
52,680 pounds of litter/debris
25 trees planted
80 plants and shrubs planted

Great American Cleanup Project Sites

City of Newport News

*Deborah Everitt, Assistant Recycling Coordinator
City of Newport News*

Members from the military service were the players in The Great American Cleanup, National Action Days in Newport News this year. Newport News staff cannot express their gratitude enough toward these men and women who serve not only our country, but our community as well! Thank you so much for the huge difference you made in just a few hours at our park and school grounds!

NEWSOME PARK ELEMENTARY SCHOOL SPRUCE UP

Lodge of Kings volunteers from Fort Eustis plus a Coast Guard member and his daughter picked up litter/illegally dumped items from a major outfall ditch at Newsome Park Elementary School.

NEWPORT NEWS PUBLIC SCHOOLS SUPPORT CENTER

Members from the USS Harry S. Truman Dental Group helped pick up litter from a ditch and natural area at the Newport News Public Schools Support Center.

NEWPORT NEWS PARK LANDSCAPE IMPROVEMENTS

Members from the US Army 688th Rapid Port Opening Element prepped a festival site by removing leaf debris at Newport News Park.

NEWPORT NEWS PARK MAINTENANCE

Members from the USS Harry S. Truman installed two tractor trailer loads of engineered mulch at two playgrounds and cleaned one and a half loops at the campsites at Newport News Park.

RESULTS

89 volunteers
3,478 pounds of litter/debris
1.5 tons of vegetative debris removed for composting
200 cubic yds of mulch installed



NEWPORT NEWS PARK
newport news, va



Great American Cleanup Project Sites

City of Norfolk

*John Deuel, Hampton Roads Great American Cleanup Project Manager, Executive Director Keep Norfolk Beautiful
City of Norfolk*

Our municipal parks in Norfolk get a lot of use and were badly in need of a spring makeover. Thanks to the hard working volunteers on April 27th and 28th, we were able to paint almost all the picnic shelters and amenities in four separate Parks. They look great and they are once again in high demand. Our roadways and neighborhoods also got a good "sweep" as many volunteers picked up litter all morning. Great job! Norfolk thanks you!

PERK UP THE PARKS – NORTHSIDE PARK

Volunteers from the USS Harry S. Truman helped paint 10 picnic shelters, 40 picnic tables, 10 benches, 20 trash cans, and 10 grills at Northside Park.

PERK UP THE PARKS – BARRAUD PARK

Volunteers from the PCD Arlington helped paint four shelters, 20 picnic tables, 15 trash cans, five benches, dugouts, and eight grills at Barraud Park.

PERK UP THE PARKS – LAFAYETTE PARK

Volunteers from the USS Harry S. Truman helped paint 20 tables, 20 trash cans, 10 grills, seven shelters, and five benches at Lafayette Park.

PERK UP THE PARKS – LAKEWOOD PARK

Volunteers from the USS Harry S. Truman helped paint 10 grills, 14 picnic tables, nine bleachers, and six benches. Volunteers also emptied 32 52-gal trash cans, leveled the swing area, and raked five playground areas and cleaned off three shelters to collect 100 bags of pine straw at Lakewood Park.

RESULTS

595 volunteers
3,380 pounds of litter/debris
244 structures painted

PERK UP THE PARKS – OCEAN VIEW PARK

Volunteers from the US Navy Naval Computer & Telecommunications Area Master Station Atlantic helped paint 500 feet of fencing and the band shell at Ocean View Park.



PERK UP THE PARKS
norfolk, va



Great American Cleanup Project Sites

City of Norfolk (continued)

GREEN STARTS HERE CELEBRATION EVENT

Volunteers from the US Coast Guard Shore Infrastructure Logistics Center helped to set up tables and chairs for the Green Starts Here Celebration Event at the Virginia Zoo. The event provided recycling, compostable table ware and composting and hors d'oeuvres from a local café.

ZOO BEARS

Volunteers from the USS Harry S. Truman helped construct climbing and play structures for the Virginia Zoo's Asian Sun and Moon bears and bearcats.

KEEP NORFOLK BEAUTIFUL DAY

Twenty different civic groups from across the City of Norfolk helped to pick up litter at 20 different sites.



ZOO BEARS
norfolk, va



City of Poquoson

*Evie Insley, Administrative Assistant
City of Poquoson*

We were very excited about our projects and the fact that so many volunteers came out to work with us. The two shoreline projects and roadside Adopt-A-Spots really cleaned the winter "yuck" and made everything ready for summer, and our East Messick Park looks like a totally new park – we know the children and parents will feel really comfortable using that facility now. As always, everyone came out to work hard and thanks to our local Farm Fresh, they could then stuff themselves on world famous fried chicken and sides and all go home happy!

MESSICK POINT AND WARF CLEANUP

Volunteers from Emmaus Baptist Church and several individual volunteers helped at the Point site. St. Timothy's Church and several individual volunteers helped to pick up litter along the shoreline at Messick Point and the Warf, two well-used areas for fishing and boating.

MESSICK PARK CLEANUP

Volunteers from the Kiwanis Club, the Key Club and several individuals helped install two benches, 400 feet of rope for parking lot detailing, 19 bollards, and 12 fence panels at Messick Park.

RESULTS

108 volunteers
35,528 pounds of litter/debris
36 plants and shrubs planted

Great American Cleanup Project Sites



MESSICK PARK
poquoson, va



City of Portsmouth

*Donna Corbus, Environmental Inspector
City of Portsmouth*

Tackling litter and household hazardous waste was the main objective for the City of Portsmouth's Great American Cleanup™.

We were excited to have volunteers from the Coast Guard, Starbucks, Tidewater Community College, the Naval Hospital, and the Birthing Place. Civic Leagues and individuals also helped to make this event such a success. Special thanks to Wal-Mart for allowing us to use their parking lot for our Household Hazardous Waste Collection event, and to RDS for placing roll-offs in the Port Norfolk community.

BOOKER STREET LITTER CLEANUP

Volunteers helped pick up litter along Booker Street.

BRANDON SQUARE COMMUNITY LITTER CLEANUP

Volunteers from Naval Medical Center Portsmouth picked up litter in the Brandon Square Community.

CAVALIER BLVD LITTER CLEANUP

Volunteers from the US Coast Guard helped pick up litter along Cavalier Blvd.

CHOATE STREET LITTER CLEANUP

Volunteers from the Community Service Workers with the Portsmouth Police Department helped pick up litter along Choate Street.

OLDE TOWNE NEIGHBORHOOD LITTER CLEANUP

Volunteers from a local Starbucks store helped pick up litter in the Old Towne Neighborhood.

PARKVIEW NEIGHBORHOOD LITTER CLEANUP

Volunteers from the Parkview Civic League helped pick up litter in the Parkview Neighborhood.

RACE STREET LITTER CLEANUP

Volunteers from the Community Service Workers with the Portsmouth Police Department helped pick up litter along Race Street.

RESULTS

145 volunteers

2,344 pounds of litter/debris

Great American Cleanup Project Sites

City of Portsmouth (continued)

SHEA TERRACE COMMUNITY LITTER CLEANUP

Volunteers from the Shea Terrace Civic League and the US Coast Guard helped pick up litter in the Shea Terrace Community.

TREXLER STREET LITTER CLEANUP

Volunteers from the US Coast Guard helped pick up litter along Trexler Street.

TURNPIKE ROAD AND RODMAN ROAD LITTER CLEANUP

Volunteers from the Birthing Place helped pick up litter along Turnpike Road and Rodman Road.

WATERVIEW NEIGHBORHOOD LITTER CLEANUP

Volunteers from the Waterview Civic League helped pick up litter in the Waterview Neighborhood.

HAZARDOUS WASTE RECYCLING

Community volunteers helped collect household hazardous waste.



HAZARDOUS WASTE EVENT
portsmouth, va



Town of Smithfield

*Sonja Eubank, Department of Public Works
Town of Smithfield*

SPECIAL ELECTRONIC RECYCLING COLLECTION AT WINDSOR CASTLE PARK

The Town of Smithfield sponsored a Special Electronic Recycling Collection at Windsor Castle Park and a poster contest on the benefits of recycling as part of our event. Katelyn Holtermann of Suffolk, VA was the winner of the contest. Gary Gandee, Recycle Committee Chairman and Peter Stephenson, Town Manager presented Katelyn with a \$50 Visa gift card and her poster was displayed at events around town as well as published in our local newspaper.

City of Suffolk

*Crystal Boyd, Litter Control Coordinator
City of Suffolk*

Suffolk is a beautiful place to live, work and play. The Great American Cleanup proved itself amongst our community as a huge success. An overall feeling of joy was felt during the event. Our volunteers gave back 150% in their extraordinary efforts for a cleaner, brighter City.

CLEANUP OF SUFFOLK'S SHINGLE CREEK

Volunteers from the USS Harry S. Truman helped pick up litter along a section of Shingle Creek.

BENNETTS PASTURE ROAD CLEANUP

Volunteers helped pick up litter along Bennetts Pasture Rd from Kings Hwy to Nansemond Parkway.

RESULTS

44 volunteers

1,244 pounds of litter/debris

Great American Cleanup Project Sites

COULBOURN PARK

Volunteers from Omega Psi Phi Fraternity Inc. of the Suffolk Chapter helped pick up litter at Coulbourn Park.



COULBOURN PARK
suffolk, va

City of Virginia Beach

*Linda Minner, Recycling Coordinator
City of Virginia Beach*

The City of Virginia Beach was happy to work on its first Great American Cleanup with Virginia Beach Clean Community Commission, askHRgreen.org, Keep America Beautiful and Keep Virginia Beautiful. Beginning in January 2012, staff and volunteers met regularly to plan Virginia Beach site cleanups along the Norfolk Southern right-of-way, Plaza-Northgate Park and Princess Anne Commons/Landstown High School. On Saturday, April 28, 113 volunteers donated 330 hours collecting 12,000 pounds (6 tons) of litter and debris – that's the equivalent of the weight of three cars! The event was a success thanks to the participation of volunteers who care about our environment, and we are very pleased that the event helped us strengthen our relationship with the region.

NORFOLK SOUTHERN RIGHT-OF-WAY CLEANUP

Volunteers from the Navy and Marine Corps Intelligence Training Center helped pick up litter and debris from the Norfolk Southern right-of-way.

PLAZA-NORTHGATE PARK CLEANUP

Volunteers from Grimtown Records and the Disney Store helped pick up litter from inside ditches that run throughout the Plaza-Northgate Park.

PRINCESS ANNE COMMONS/ LANDSTOWN HIGH SCHOOL CLEANUP

Volunteers from the Rehoboth Baptist Church and GEICO helped pick up litter around stormwater ponds and ditches in the Princess Anne Commons Area.

RESULTS

113 volunteers

12,000 pounds of litter/debris



LANDSTOWN HIGH SCHOOL
virginia beach, va



Great American Cleanup Project Sites

VOLUNTEER Hampton Roads Shelter Cleanup Projects

Megan Leahy, Community Outreach Coordinator
VOLUNTEER Hampton Roads

VOLUNTEER Hampton Roads was happy to participate in the Great American Cleanup with the Shelter Spruce Up program. We are proud of the volunteers in our community that strive to keep our community a safe and clean place to live, work and play.

KEEP FORKIDS BEAUTIFUL

Volunteers from the USS Harry S. Truman trimmed hedges, cleared brush, cleared play areas for families, cut grass, mulched four apartment complexes, painted three benches and stained one handicap entrance and railing at ForKids, a shelter for homeless families in Norfolk.

KEEP HOPE VILLAGE BEAUTIFUL

Volunteers from the USS Harry S. Truman help pick up litter and spruce up flower beds at H.O.P.E. Village, a residential style transitional housing program for the woman and children living in need in the community.

KEEP THE UNION MISSION BEAUTIFUL

Volunteers from US Navy Fleet Area Control and Surveillance Facility, Virginia Capes helped spruce up flower beds at the Union Mission.

KEEP THE SAMARITAN HOUSE BEAUTIFUL

Volunteers from the USS Harry S. Truman helped with general landscaping at the Samaritan House.

Landscaping included mulching, planting, weeding, trimming, and mowing.

KEEP THE HOPE HOUSE FOUNDATION BEAUTIFUL

Volunteers from the US Navy Helicopter Sea Combat Squadron Nine helped with general cleanup and landscaping around the Hope House Foundation building.



HOPE HOUSE FOUNDATION
virginia beach, va



RESULTS

- 58 volunteers
- 700 pounds of litter/debris
- 40 plants and shrubs planted

Great American Cleanup Project Sites

City of Williamsburg

*Tammy Rojek, Administrative Assistant
City of Williamsburg*

Williamsburg's Great American Cleanup projects were very successful. Boy Scout Troop 195 learned about stormwater runoff and the purpose of a storm drain medallion. The Parrotheads of the Peninsula cheerfully donned gloves and vests for the not so pretty task of picking up trash along Quarterpath Road. Both groups were excited to take on their projects and we look forward to collaborating with them again in the future.

QUARTER PATH ROAD CLEANUP

Volunteers helped pick up litter along Quarter Path Rd.

STORM DRAIN MEDALLION INSTALLATION

Volunteers from local Boy Scouts Troup 195 helped install storm drain medallions in two neighborhoods. The medallions serve as a visual reminder to residents to not dump anything down the storm drain and that all storm drains lead to waterways.

RESULTS

- 22 volunteers
- 125 pounds of litter/debris
- 20 medallions placed



STORM DRAIN MEDALLIONS
williamsburg, va

York County

*Laurie Halperin, York County Recycling/Beautification
Coordinator
York County*

We would like to thank all 101 volunteers who came out to show their support for a cleaner, more beautiful York County. It was so encouraging to see our youth take pride in the community and give back during The Great American Cleanup National Action Days. We look forward to the opportunity to work with the volunteers again as well as our partners throughout the region.

BACK CREEK/SEAFORD ROAD AND GOODWIN NECK AREA ROADSIDE CLEANUP

Volunteers from the US Coast Guard Training Center Yorktown helped pick up litter along Back Creek/Seaford Road and Goodwin Neck Area Roadside.

CHARLES BROWN PARK

Volunteers from a local Brownie Troop, the Naval Weapons Station and involved citizens helped pick up litter and remove invasive species from around the park and trail.

FORT EUSTIS BLVD EXTENSION CLEANUP

Volunteers helped pick up litter from Fort Eustis Boulevard to Old York-Hampton Highway.

MIDDLETOWN FARMS CLEANUP

Volunteers from the Middletown Farms Homeowners Association worked together to clean areas on Penniman Road adjacent to their community.

NEW QUARTER PARK

Volunteers from a local Cub Scout Pack and the Tidewater Appalachian Club helped remove debris and litter from the trail at New Quarter Park.

Great American Cleanup 2012

York County continued

ROUTE 238/OLD WILLIAMSBURG ROAD CLEANUP

Volunteers from a local neighborhood group helped pick up litter along Route 238/Old Williamsburg Road.

WOLF TRAP ROAD CLEANUP

Volunteers from DOC Spartans helped pick up litter along Wolf Trap Road.

RESULTS

101 volunteers
1,300 pounds of litter/debris
5 cubic yards of invasive species/weeds removed



CHARLES BROWN PARK
york county, va



Closing Thoughts

The Great American Cleanup National Action Days was a great opportunity to highlight what is good in Hampton Roads and the state. The cooperative effort of askHRgreen.org and its jurisdictional members was impressive, to say the least. The results from more than 90 project sites have made a long lasting and positive impact in each of our communities.

The timing of this national event was ideal as askHRgreen.org was branding their new identity and Keep Virginia Beautiful (KVB) was working to make a name for itself in litter prevention, waste reduction, recycling, beautification, and environmental education in Virginia. The sponsorship dollars raised helped to pay for expenses and assisted KVB in our statewide efforts. We raised \$10,000 that will be split among participating jurisdictions for future projects in Hampton Roads.

It was a genuine pleasure to work with the members of askHRgreen.org and each of the jurisdictions for these far reaching projects. I look forward to future initiatives in Hampton Roads. Thank you very much for the opportunity to have helped make a difference.

Best regards,

Mike Baum
Executive Director
Keep Virginia Beautiful



HRPDC GIVEAWAY ITEMS

York received -

	<u>Quantity</u>
Dog Waste Bag Holders	<u>175</u>
Message Pens	<u>400</u>
Scoop the Poop Trash Can Stickers	<u>200</u>
	<u> </u>
 Total Distributed	 775

**YORK COUNTY
STORMWATER CONSTRUCTION MAINTENANCE PROJECTS 2012**

Location	District	Duration	Time Period Start	Finish	Work Required	Status
Tabb High School and Fire Station Ditch	5	2 weeks	06/28/11	07/11/11	Regrade ditchline between Tabb High School and Fire Station	Completed
York Library		1/2 day	07/25/11	07/25/11	Remove silt & riprap in ditch	Completed
109 Walkin Lane	3	1/2 day	07/25/11	07/25/11	Remove tree stump in ditch	Completed
108 Janis - Waterview	3	4 days	07/29/11	08/04/11	Replace pipe	Completed
Kiln Creek Parkway	2	1 day	08/04/11	08/04/11	Add topsoil and seed around force main bleed off (assisting sewer utilites)	Completed
Skimino Landing Rd.	1	1 day	08/04/11	8/4/2011	Add coir logs to stop erosion	Completed
305 Marl Ravine Rd	3	1 day	08/08/11	08/08/11	Remove tree and repair erosion	Completed
Colonial Parkway	1	1 day	08/10/11	08/10/11	Assist maintenance crew and Park Service to remove 2 truck loads of debris from ditch at park service crossing behind Queenswood	Completed
Middletown Farms	1	1 day	08/16/11	08/16/11	Bush hog easement and remove fallen tree	Completed
138 Kitty Dr	4	3 weeks	08/18/11	10/26/11	Relocate & pipe ditch	Completed

**YORK COUNTY
STORMWATER CONSTRUCTION MAINTENANCE PROJECTS 2012**

Location	District	Duration	Time Period Start	Finish	Work Required	Status
214 Springfield Drive	1	1 day	08/24/11	08/24/11	Repair sinkhole im pipe	Completed
Hurricane Irene	All	4 days	08/25/11	08/30/11	Prepare for hurricane and remove debris and obstructions after storm	Completed
125 Winders Lane Winders Pond	4	1 day	08/30/11	08/30/11	cut up and remove tree in easement	Completed
Rainbrook Villa	4	1 day	08/31/11	08/31/11	cut up and remove tree in easement	Completed
Rich Road	2	2 days	09/07/11	09/09/11	Relocate ditch	Completed
Pine Tree PS		1 day	09/08/11	09/08/11	Repair gravel road	Completed
229 Rich Rd	2	2 weeks	09/12/11	10/03/11	Cut swale in rear and side yard	Completed
126 Virginia Lane Quail Hollow	4	1 day	10/12/11	10/12/11	Remove dirt from paved swale	Completed
401 Sonshine Way	3	1 day	10/13/11	10/13/11	Add filter cloth and rip rap	Completed
301 Blacksmith Arch Coventry	2	1 day	10/13/11	10/13/11	Add riprap and slope erosion repair	Completed

**YORK COUNTY
STORMWATER CONSTRUCTION MAINTENANCE PROJECTS 2012**

Location	District	Duration	Time Period Start	Finish	Work Required	Status
Kanawah Run Running Man	5	1 day	10/17/11	10/17/11	Remove fallen trees over swale	Completed
102 Militia Court Patriot Village	2	1 day	10/27/11	10/27/11	Fix paved swale and topsoil and seed	Completed
303 Jonadab Road PS	4	1 day	02/07/12	02/07/12	Added 18 yards of stone to driveway	Completed
Marquis Shopping Center	1	1 day	02/07/12	02/07/12	Bush hog access to outfall area	Completed
Highgrove outfall - Williamsburg	1	1 day	02/09/12	02/09/12	Bush hog outfall area	Completed
Seaford Fire Station #6 Back Creek Road	3	1 month	02/14/12	03/19/12	Relocate ditch	Completed
York County BMP - EDS	3	2 days	02/22/12	02/24/12	Pump out and repair outfall	Completed
118 Runaway - Edgehill 4	3	1 day	02/27/12	02/27/12	Install Curb Cut	Completed
104 Seven Holly Drive - Dare	4	1 day	02/27/12	02/27/12	Repair sinkhole	Completed
204 Tides Run - Marbank Cove	3	3 days	03/06/12	03/08/12	Add riprap and rework swales	Completed
138 Chinquapin Orchard - Olde Port Cove	5	1 day	03/07/12	03/07/12	Cut out log in ditch	Completed

**YORK COUNTY
STORMWATER CONSTRUCTION MAINTENANCE PROJECTS 2012**

Location	District	Duration	Time Period Start	Finish	Work Required	Status
115 Nelson Drive Park	Nelson	1 day	03/12/12	03/12/12	Add drop inlet to 24 inch pipe	Completed
Trebor Pastures	5	1 day	03/20/12	04/19/12	Clean ditch area. Go back later and topsoil and seed low areas and bare areas	Completed
Tabb Lakes outfall	2	1 day	03/22/12	03/22/12	Replace old pipe at outfall	Completed
103Z Richter Lane - Blackberry Coventry	2	2 days	03/26/12	03/22/12	Recut ditch between Coventry and Greenlands	Completed
242 Kings Grant, Howard's Landing	4	2 weeks	04/09/12	04/17/12	Pipe ditch, riprap, cover, and seed	Completed
Woodlake Crossing	5	3 days	04/23/12	04/25/12	Remove Bushes, bulkhead and replace with riprap at outfall structure of BMP	Completed
312 Old York Hampton Hwy - Grafton	3	1 day	04/30/12	04/30/12	Regrade ditch, topsoil and seed	Completed
619 Lakeland Crescent - Woodlake Crossing	5	1 day	05/02/12	05/02/12	Patch borken swale	Completed
Grafton High/Middle School	4	2 days	05/07/12	05/08/12	Lower forebay of BMP to create wetland area for school students to plant	Completed
1315 Waterview Road - Seaford	3	1 day	05/14/12	05/14/12	Clean out easement	Completed
101 Carolyn Crescent - Heritage Hamlet - Seaford	3	2 days	05/15/12	05/17/12	Replace Storm Sewer pipe in rear	Completed

**YORK COUNTY
STORMWATER CONSTRUCTION MAINTENANCE PROJECTS 2012**

Location	District	Duration	Time Period Start	Finish	Work Required	Status
Willow Lakes	3	1 day	05/22/12	05/22/12	Bush Hog easement	Completed
113 Dogwood Court - Marlbank	3	1 day	05/22/12	05/22/12	Change out vacuum sewer pit for utilities	Completed
Lakes of Dare	4	1 day	05/24/12	05/24/12	Bush Hog easement	Completed
Tabb High School BMP	5	1 week	05/29/12	05/29/12	Replace oufall structure at BMP	Completed
305 Fielding Lewis - Brandywine	4	1 day	05/29/12	05/29/12	Regrade ditch to stabilize and stop erosion	Completed
104 Seven Holly Drive - Dare	4	1 day	05/30/12	05/30/12	add on to driveway culvert	Completed
Bethel Manor School	2	2 days	06/12/12	06/13/12	Install sewer, water, and power service lines for General Services	Completed
Skimino Fire Station	1	1 day	06/13/12	06/13/12	Clean driveway culvert	Completed

TOTALS FOR FY12									
RED TEAM									
	FOOTAGE	DEBRIS	BRIQUETTS	DITCHES DONE	SER REQ				
JUL	27,140.00	POUNDS 3,400.00	UNITS 0.00		18				10
AUG	63,745.00	POUNDS 1,340.00	UNITS 0.00		25				2
SEP	33,427.22	POUNDS 8,012.00	UNITS 0.00		35				0
OCT	41,644.00	POUNDS 3,540.00	UNITS 0.00		27				0
NOV	40,525.00	POUNDS 620.00	UNITS 0.00		18				3
DEC	20,188.00	POUNDS 4,030.00	UNITS 0.00		20				0
JAN	32,155.00	POUNDS 0.00	UNITS 0.00		17				0
FEB	33,240.00	POUNDS 6,470.00	UNITS 0.00		29				0
MAR	43,224.00	POUNDS 10,220.00	UNITS 0.00		34				0
APR	42,979.00	POUNDS 440.00	UNITS 0.00		24				0
MAY	36,709.00	POUNDS 2,480.00	UNITS 0.00		34				0
JUN	33,903.00	POUNDS 3,280.00	UNITS 0.00		24				0
TOTAL	448,879.22	TOTAL 43,832.00	TOTAL 0.00	TOTAL	305.00	TOTAL		TOTAL	15.00
MILES	85.02	TONS 21.92							

BLUE TEAM									
	FOOTAGE	DEBRIS	BRIQUETTES	DITCHES DONE	SER REQ				
JUL	70,069.00	POUNDS 1,140.00	UNITS 0		39				3
AUG	78,033.00	POUNDS 460.00	UNITS 0		33				0
SEP	82,548.00	POUNDS 0.00	UNITS 0		57				1
OCT	78,227.00	POUNDS 7,220.00	UNITS 0		55				2
NOV	63,405.00	POUNDS 3,480.00	UNITS 0		28				0
DEC	46,638.00	POUNDS 640.00	UNITS 0		35				4
JAN	57,080.00	POUNDS 7,580.00	UNITS 0		41				2
FEB	49,836.00	POUNDS 18,420.00	UNITS 0		48				2
MAR	75,307.00	POUNDS 12,220.00	UNITS 0		32				3
APR	66,733.00	POUNDS 11,580.00	UNITS 0		53				6
MAY	66,733.00	POUNDS 820.00	UNITS 0		50				2
JUN	62,066.00	POUNDS 11,160.00	UNITS 0		41				2
TOTAL	796,675.00	TOTAL 74,720.00	TOTAL 0.00	TOTAL	512.00	TOTAL		TOTAL	27.00
MILES	150.89	TONS 37.36							

YELLOW TEAM									
	FOOTAGE	DEBRIS	BRIQUETTES	DITCHES DONE	SER REQ				
JUL	44,431.00	POUNDS 17,280.00	UNITS 0.00		23				6
AUG	48,096.00	POUNDS 7,400.00	UNITS 0.00		19				1
SEP	76,473.00	POUNDS 2,660.00	UNITS 0.00		33				1
OCT	33,940.00	POUNDS 1,800.00	UNITS 0.00		18				2
NOV	43,479.00	POUNDS 8,520.00	UNITS 141.00		25				0
DEC	26,213.00	POUNDS 4,200.00	UNITS 0.00		15				0
JAN	66,231.00	POUNDS 2,980.00	UNITS 0		22				0
FEB	70,510.00	POUNDS 9,140.00	UNITS 4		42				0
MAR	54,905.00	POUNDS 11,820.00	UNITS 0		32				0
APR	104,438.00	POUNDS 5,280.00	UNITS 0		46				0
MAY	75,297.00	POUNDS 5,220.00	UNITS 90		40				1
JUN	85,887.00	POUNDS 1,320.00	UNITS 32		34				0
TOTAL	729,900.00	TOTAL 77,620.00	TOTAL 267.00	TOTAL	349.00	TOTAL		TOTAL	11.00
MILES	138.24	TONS 38.81							

FISCAL YEAR TOTALS: RED, YELLOW, AND BLUE TEAMS									
	FOOTAGE	DEBRIS	BRIQUETTES	DITCHES DONE	SER REQ				
RED	448,879.22	POUNDS 43,832.00	UNITS 0.00		305.00				15.00
BLUE	796,675.00	POUNDS 74,720.00	UNITS 0.00		512.00				27.00
YELLOW	729,900.00	POUNDS 77,620.00	UNITS 267.00		349.00				11.00
TOTAL	1,975,454.22	TOTAL 196,172.00	TOTAL 267.00	TOTAL	1,166.00	TOTAL		TOTAL	53.00
MILES	374.14	TONS 98.09							

1. Public Outreach and Education							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2013 Status
1.1	Participate in regional committees: HRSTORM, HR GREEN, RSMC, and SW Phase II Subcommittee					HR STORM Annual Report, MOA, HRPDC Regional Cooperation in Stormwater Management	
1.1a	Regional Cooperation	Renew MOA with the HRPDC to participate in the regional processes, including the Regional Stormwater Management Program, the Stormwater Phase II Subcommittee and HR STORM.	Maintain valid MOA	HRPDC	Continuously	Hampton Roads Regional Stormwater Management Program MOA; Appendix X	MOA will be renewed in FY2013.
1.1b	HR STORM and HR GREEN	Participate in at least 50% of monthly HR STORM meetings	Number of meetings attended/Number of meetings held	Locality	Annually	Attendance Sheet in Appendix X	
		Participate in annual HR GREEN meetings and subcommittee meetings as appropriate.	Number of meetings attended	Locality	Annually	Attendance Sheet in Appendix X	
		Participate in the development of regional Strategic Plans and Communication Plans for HR STORM and HR GREEN.	Participation	York County	Annually		
1.1c	Stormwater Phase II Subcommittee	Participate in at least 50% of monthly SW Phase II Subcommittee Meetings.	Number of meetings attended/Number of meetings held	York County	Annually	Attendance Sheet in Appendix X	Locality staff identified education priorities at a Phase II stormwater committee meeting in September 2011.
1.2	Educate citizens on techniques to reduce impacts of stormwater pollution on public waterways with an emphasis on impaired waters.	Participate in identifying stormwater education needs and priorities through the HRPDC Phase II Subcommittee.	Participation	York County	Annually		
1.2a	Distribute educational materials developed through HR STORM.	Distribute materials developed through HRSTORM to target audience in locality.	Number of materials distributed	York County	Continuously	Documentation spreadsheet in Appendix X. Education materials provided by HRPDC.	Document number of items distributed

1. Public Outreach and Education									
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2013 Status		
1.2c	Ensure distribution of regional environmental tabloid to all 6 th graders and teachers' guides to all 6 th grade teachers	Develop and Distribute environmental tabloids	Number of tabloids distributed	HRPDC	Permit Cycle	Tabloid	Planned for distribution in Fall 2012.		
1.2d	Regional Media Campaign	Participate in the HR STORM regional media campaign which will make impressions with a stormwater message via print, television (local municipal access, cable and local affiliate), and radio with a target of reaching 72% of adults (25-54) three times over.	Demographic, reach and frequency	HRGreen	Annually	Copies of ads	Details of the Hanton Roads media campaign for FY2012 is located in the HRGreen Annual Report.		
1.2e	"Scoop the Poop" Campaign	Make "Scoop the Poop" information and giveaways available where citizens receive animal licenses and at pet-related events as appropriate	Number of giveaways distributed	York County	Annually	Spreadsheet	# of dog waste dispensers distributed and/or other items.		
1.2f	Plant More Plants						Continue to publicize program through website, social media, and blog articles and distribute giveaways provided by DCR at events. Planned lawn care and fertilizer education campaign for October 2012.		
	Target Homeowners	Educate homeowners on the benefits of reducing turf grass and increasing other plants on their property.	Number of materials distributed, number of web hits, and number of media spots.	HRGreen	PY3-PY4	Copy of materials distributed.			
	Target Garden Centers and Retail Nurseries	Encourage local garden centers and retail nurseries to sign up for DCR's program.	Number of local business members	DCR/HRGreen	PY4-PY5	Copy of materials distributed.	Assist DCR in publicizing the program and signing up local businesses.		
1.3	Illegal Discharge Elimination Education	Identify and prioritize education and training needs for city/county employees through the HRPDC Phase II Subcommittee.	Prioritized list of training needs and number of employees that need training.	York County	End of PY1	Prioritized needs list	completed		
1.3a	Educate public employees on hazards and legal implications of illegal discharges and improper disposal of waste.	Conduct 2 trainings per permit cycle	Number of trainings, and # of attendees	HRPDC	Permit Cycle	Description of training	Planning municipal facility training for Winter 2012.		
		Ensure at least 20% of appropriate employees attend IDDE training(s) coordinated by the HR PDC.	Number of participants/ Number of identified appropriate employees	York County	Permit Cycle	List of attendees			

1. Public Outreach and Education							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2013 Status
1.3c	<i>Educate business owners on hazards and legal implications of illegal discharges and improper disposal of waste.</i>	Distribute educational materials developed through the HRPDC to groups with high risk for producing illicit discharges.	Number of materials distributed.	York County	Permit Cycle	Education materials and distribution list.	In PY4, HRFOG will educate food service establishments on the proper techniques for grease trap cleaning. HRFOG also plans to translate existing educational materials into Spanish and Chinese to expand their outreach.
1.4	Encourage involvement in local water quality improvement initiatives.	Post volunteer opportunities on local website.	Number and types of events	York County	Quarterly	Cty./Co. website	
		Submit articles for HR Green regional e-newsletter for public participation in water quality improvement initiatives.	Number and types of events submitted	York County	Quarterly	E-newsletter	
		Post volunteer opportunities through HR STORM and/or HR Green	Number and types of events submitted	HRPDC Environmental Educator	Quarterly	websites	
1.5	Diversify strategies to target local MSA specific audiences.	Expand fact sheet series	Identify and prioritize targets	HRGreen	PY 2		completed
			Produce specific fact sheets	HRGreen	PY 3-5	Factsheets, e-newsletters, and websites	Car wash rack card for fundraising car washes and residential good housekeeping brochure were developed in FY11, but continued to be distributed in FY12.
1.6	Improve outreach program to address concerns of target audience as well as minorities, disadvantaged audiences, and minors.	Improve outreach to school-aged children	Reprint of HR STORM tabloid size newspaper for elementary schools	HR STORM/ HRGreen	PY 1, 3, and 5	Newspaper	PY1 and 3 complete. PY5 planned.

1. Public Outreach and Education							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2013 Status
		Improve outreach to disadvantaged and minority audiences.	Targeted ads through channels such as CW, BET, and urban radio stations.	HRGreen	Annually	Affidavits from TV and radio	
1.7	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section I E of 4VACS0-60-1200	York County	Annually	Annual report	Updated 1.3d and changed HRStorm references to HRGreen to reflect new Regional Education and Outreach organization.

2. Public Involvement/Participation								
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2013 Status	
2.1	Provide Public Notice of Program Plan and Modifications	Promote the availability of the operator's MS4 Program Plan and any modifications for public review and comment in accordance with public law.	public notice of modifications.	York County	As necessary	Virginia Code reference, updated plan		
2.2	Make Program Plan and other Stormwater Program Information Available to Public	Provide the program plan, stormwater annual reports, the stormwater permit, and the stormwater ordinances on the City/County website.	presence of materials on website	York County	Continuously			
2.3	Participate in local activities to improve water quality			York County	As appropriate			
2.4	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section I E of 4VA/CS0-60-1200	York County	Annually	Annual report		

3. Illicit Discharge Detection and Elimination							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2013 Status
3.1	Storm Sewer System Map	Map all known outfalls	map # of outfalls catalogued	York County	20% of remaining outfalls annually	mapping updates for next permit cycle	
3.2	Illicit Discharge Detection & Elimination Ordinance	Continue implementing and enforcing the illicit discharge/stormwater ordinance.	number of investigations and actions taken	York County	annually	ordinance	
		Track illicit discharge detection and elimination activities.	number of investigations and actions taken	York County	ongoing	PARS	
3.4	Prevent or minimize the discharge of hazardous substances and oil in the MS4 stormwater discharge.	Yard inspections; Develop/enhance reporting relationship with FD/Haz Mat Team; targeted education	number of responses/ number of inspections	York County		Inspection forms	
3.5	Cooperation with adjacent MSAs	Identify and notify, in writing, any downstream regulated MS4 to which the small regulated MS4 is physically interconnected of the small regulated MS4's connection to that system.	Develop map, Regional Phase II Stormwater Subcommittee Meetings, letters	locality	PY1	letters; meeting attendance	
3.6	Report all spills that reach state waters to DEQ and DCR						
3.6a	Report non sewer spills and releases from small MS4 operated properties that reach State waters to DEQ.	Report spills to The Department of Environmental Quality's Pollution Response Program (PREP).	Obtain PREP number.	York County	Report in accordance to Section III. G.		
3.6b	Report Sanitary Sewer Overflows through SSORS database.	Continue to utilize SSORS to report Sanitary Sewer Overflows	Number of overflows	York County	continuously		
3.7	Continue Sanitary Sewer System Improvements in coordination with SSO consent order.						
3.8	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section I E of 4VACS0 60-1200	York County	Annually	Annual report	

4. Construction Site Storm Water Runoff Control							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2013 Status
4.1	Local Erosion and Sediment Control Ordinance	Continue to implement the site plan review, LID implementation where deemed appropriate, construction site BMP, and inspection provisions of the local Erosion and Sediment Control Ordinance.	# of inspections; # plan reviews; # enforcement actions	E&S Program Administrator	annually	PARS is being developed to track all of these items	
		"At a minimum be consistent with the VA ESC Law and regulation"	Soil and Water Conservation Board finding of consistency	E&S Program Administrator	continuously	Letter from DCR	
		Continue to receive and respond to information from citizens relating to the local erosion and sediment control program through personal visits, email, telephone, and the City/County web page.	# of calls/requests; #site visits	E&S Program Administrator	annually	Tracked in Hamson system	
4.2	VSMWP Permits	Continue to direct applicants, proposing to disturb an acre or more of land or part of a larger common plan of development or sale that would disturb one acre or more, or >= 2,500 sq. ft. in CBPA areas to VDCR to secure a VSMWP Permit for Discharges of Stormwater from Construction Activities. Ensure permit has been obtained.	#of permit applications and permits issued.	E&S Program Administrator	Continuously		
4.3	Training	Participate in the development of at least one regional contractor training session during the life of the permit.	Trainings Completed	HRPDC & Phase II SW Committee	One per permit cycle	training sessions and eval forms	Planned for PVS
		Ensure that plan reviewers, inspectors, and program administrators obtain the appropriate certifications as required under the Erosion and Sediment Control Law	certifications obtained	E&S Program Administrator	ongoing		
4.4	Tracking and Reporting	Continue to track and report the total number of permitted land disturbing activities as well as the total disturbed acreage.	number of permits & acres disturbed	E&S Program Administrator	annually	Annual Report	
4.5	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section I E of 4VACS0-60-1200	York County	Annually	Annual report	

5. Post Construction Storm Water Management in New Development and Redevelopment

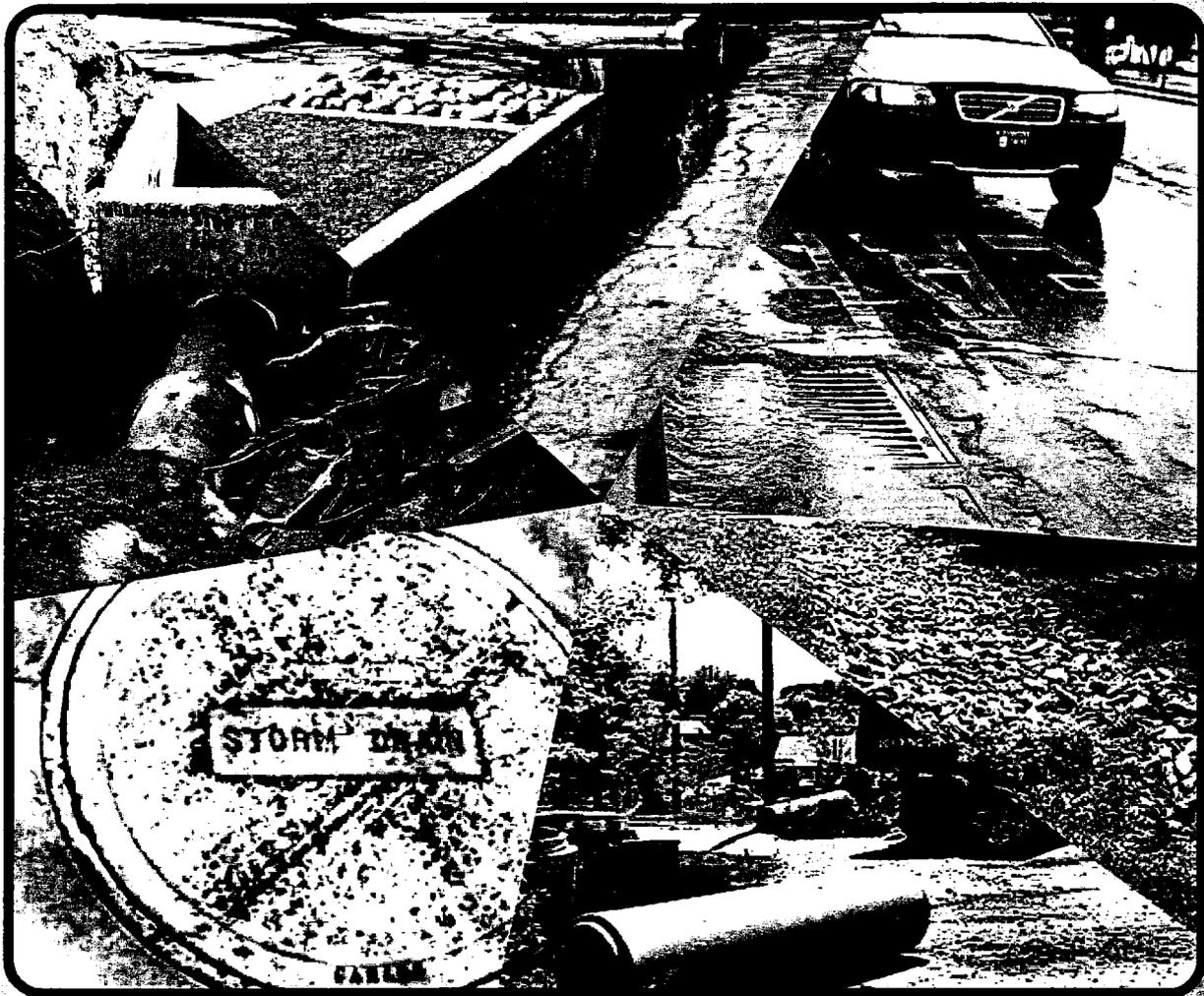
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2013 Status
5.1	Stormwater Management Ordinance	Continue to implement the stormwater criteria of the Stormwater Management Ordinance for new development and redevelopment, and update ordinance to comply with Section 11.5.a of the General Permit.	Ordinance updates	SW Program Administrator		Ordinance	
5.2	Encourage the use of Low-Impact Development (LID)	Develop fact sheet/checklist to help developers and local staff determine appropriateness of LID for project(s)	Checklist developed	HPPDC & Regional Stormwater Mgt. Committee	PY2	Factsheet	Planned for PY5
5.3	VSWMP Permits	Continue to direct applicants, proposing to disturb an acre or more of land or part of a larger common plan of development or sale that would disturb one acre or more, or >= 2,500 sq. ft. in CBPA areas to VDCR to secure a VSWMP Permit for Discharges of Stormwater from Construction Activities.					
5.4	BMP Maintenance Agreements	Require BMP maintenance agreements as directed by the Stormwater Management Ordinance.	# of agreements & inspection schedules	SW Program Administrator	Ongoing	Maint. Agreements	
5.5	BMP Maintenance Program	Update mapping of locally owned structural stormwater controls with reference to HUC and any impaired waters in drainage area.	map	SW Program Administrator	As needed	map	
		Develop schedules for regular inspection and maintenance of locally owned stormwater control structures in accordance with SWM regulations.	Inspections	SW Program Administrator	Annually	PARS	
5.6	Site Inspection and Enforcement	Conduct site inspections	#inspections & Reinspections; NOVs	SW Program Administrator	As designated	PARS	
5.7	BMP Tracking	Track all known permanent stormwater management facilities that discharge to the regulated small MS4 and submit the following information: (a) Type of structural stormwater management facility installed as defined in the Virginia Stormwater Management Handbook; (b) Geographic location (HUC); (c) Where applicable, the impaired surface water that the stormwater management facility is discharging into; (d) Number of acres treated.	#&type of BMP, location, watershed, acres treated, impaired waters	SW Program Administrator	Annually	via PARS	
5.8	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section 1 E of 4VAC50-60-1200	York County	Annually	Annual report	

6: Pollution Prevention/Good Housekeeping for Municipal Operations								
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY2013 Status	
6.1	Employee Education & Training	Identify and prioritize pollution prevention education and training needs for municipal employees based on relative risk for stormwater pollution from municipal operations through the HRPDC Phase II Subcommittee. Develop training materials to eliminate illicit discharges from storage yards, fleet or maintenance shops, outdoor storage areas, rest areas, waste transfer stations, and other municipal facilities.	Training Schedule	HRPDC & Localities	1 during permit cycle	training schedule	completed.	
		Develop and distribute training materials to inform employees on proper waste disposal techniques.	Develop fact sheets	HRPDC	Permit Cycle	Training documents	Planned for PYS	
		Educate local government employees on protecting soluble and erodible materials from exposure or precipitation.	Develop fact sheets	HRPDC	Permit Cycle	Training documents	Planned for PYS	
		Educate local government employees on proper techniques for fertilizer and pesticide application.	Develop fact sheets	HRPDC	Permit Cycle	Training documents	Held fertilizer training in March 2011. Will hold pesticide training in FY13.	
		Distribute pollution prevention educational materials developed through the HRPDC/HRSTORM to municipal employees engaging in operations with a high risk of discharging pollutants into the MSA.	# of items distributed	HRPDC & Localities	annually	E-newsletter, training materials	Planned for PYS	
		Participate in at least one regional annual training workshop for municipal employees engaging in operations with a high risk of discharging pollutants into the MSA coordinated by the HRPDC Phase II Subcommittee.	# employees attending	SW Program Administrator	annually	Training outline		
6.3	Operations & Maintenance Program	Document or develop formal O&M Program for municipally owned stormwater facilities to include activities, schedules, and inspection procedures that include provisions and controls to reduce pollutant discharges into the regulated small MS4 and receiving surface waters.	O&M Plan	York County	By the end of the permit cycle	O&M Plan		
6.4	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section I E of 4VACS0-60-1200	York County	Annually	Annual report		

TMDL SPECIAL CONDITIONS (effective starting January 8, 2010)								
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	FY 2012 Status	
7.1	List Program Plan components related to source reduction of pollutants indicated in WILAs.	Develop list of current ordinances and legal authorities, BMPs, policies, plans, procedures and contracts implemented as part of the MS4 Program that are applicable to reducing bacteria from lands draining to watershed segments with a bacteria TMDL for wh	List	York County	End of PY2	List of applicable components.		
7.2	Evaluate Program Plan for effectiveness to reduce pollutant indicated in WILAs.	Use checklist created by HRPDC to evaluate ordinances and program elements	Checklist	HRPDC and Locality	End of Permit Cycle			
7.3	Develop a schedule to address Program Plan deficiencies at addressing bacteria pollution delivered to TMDL waterbodies.	Review water quality data collected by DEQ to track water quality improvements for bacteria. Schedule to update program components and ordinances identified in BMP 7.2	Data summary schedule	locality/HRPDC York County	Annually End of Permit Cycle	Water quality data summary schedule		
7.4	Implement Schedules in 7.3	List of limited legal authorities that need to be addressed by the General Assembly.	List	York County	Permit Cycle	List		
7.5	Public education and outreach to promote bacteria source reduction.	Implementation according to schedules developed under 7.3 Continue to promote public education through HRSORRM and activities listed under BMP 1.2 of Program Plan.	Implementation As defined in 1.2	York County locality/HRPDC	According to 7.3 Annually	Progress Report		
7.6	Participate as a stakeholder in the development of TMDL Implementation Plans	Participate in TMDL Implementation Plan for "Poquoson and Back Rivers"	Participation	York County	Permit Cycle	Implementation Plan		
7.7	Outfall Reconnaissance	Develop outfall reconnaissance procedures as outlined in AVAC50-60-1240 Section 1.B.5	Reconnaissance Plan	York County	End of PY2	Reconnaissance Plan		
		Conduct reconnaissance of X outfalls from MS4 area within X drainage area.	X outfalls	York County	Beginning in PY3 Annually	Reconnaissance Reports.		
		Identify outfalls from MS4 area to X drainage area.	Map of outfalls	York County	End of Permit Cycle	Map and Report.		
7.8	Evaluate properties owned or operated by MS4 that may contribute bacteria to TMDL waterbody.	Develop list of land use categories that could contribute bacteria.	List	HRPDC and Locality	End of PY2			
		Map County owned properties within MS4 area that drains to Poquoson and Back Rivers	Map	York County	End of PY2	Map		
		Identify County properties with potential to generate bacteria pollution.	List	York County	End of PY3	List		
		Conduct site review of identified County properties in accordance with AVAC50-60-1240 Section 1.B.6	Site Review	York County	January 2013			
		Develop schedule to reduce any discharges found during review described in AVAC50-60-1240 Section 1.B.6	schedule	York County	End of Permit Cycle			
		Implement schedule produced in accordance with AVAC50-60-1240 Section 1.B.6c		York County	In accordance with schedule			
7.9	Characterize volume of stormwater and bacteria concentrations delivered from MS4 areas to TMDL waterbodies.	Calculate discharge of bacteria from MS4 area to "stream"	concentration of bacteria	York County				
7.1a	Update Program Plan as necessary to include new TMDL information.							
	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section 1 E of AVAC50-60-1200	York County	Annually			

Hampton Roads Regional Stormwater Management Program

Memorandum of Agreement



MEMORANDUM OF AGREEMENT
ESTABLISHING THE
HAMPTON ROADS REGIONAL STORMWATER MANAGEMENT PROGRAM

WHEREAS, Section 15.2-4200 of the Code of Virginia enables local governments to establish Planning District Commissions; and

WHEREAS, the sixteen local governments that are signatories to this Agreement have acted, in accordance with Section 15.2-4200 of the Code of Virginia, to establish the Hampton Roads Planning District Commission; and

WHEREAS, the Hampton Roads Planning District Commission has been requested and has undertaken various studies to support local government stormwater management programs, including compliance with VSMP Permits; and

WHEREAS, the signatory local governments have requested the HRPDC to administer and coordinate a regional stormwater management program on their behalf; and

WHEREAS, pursuant to the Clean Water Act, the U .S. Environmental Protection Agency has promulgated implementing regulations, 40 Code of Federal Regulations Part 122, which established the National Pollutant Discharge Elimination System (NPDES) Permits for Municipal Separate Storm Sewer System Discharges; and

WHEREAS, pursuant to the Virginia Stormwater Management Act, 10.1-603.1, et. seq. of the Code of Virginia, 1950 As Amended, the Board of Soil and Water Conservation has promulgated implementing regulations 4 VAC 50-60, et. seq., which establish the Virginia Stormwater Management Permit Program (VSMP) requirements that localities obtain VSMP Permits for their Municipal Separate Storm Sewer System (MS4) discharges; and,

WHEREAS, the majority of the eighteen signatory local governments are required by their VSMP Permits to conduct certain activities, including reporting on their discharges, conducting public information and education programs, and certain other activities; and

WHEREAS, the Water Quality Monitoring and Reporting Act and implementing regulations promulgated by the State Water Control Board establish requirements for the preparation of Total Maximum Daily Load (TMDL) Implementation Plans, which apply to activities conducted by localities in general as well as activities conducted in implementing VSMP MS4 Permit requirements; and,

WHEREAS, the Chesapeake Bay Preservation Act and the Virginia Erosion and Sediment Control Law and implementing regulations also establish stormwater management requirements that govern one or more of the eighteen signatory local governments; and,

WHEREAS, fifteen Cities and Counties and the Hampton Roads Planning District Commission executed the Memorandum of Agreement Establishing the Hampton

Roads Regional Stormwater Management Program on September 5, 2003 and that Agreement expires on December 31, 2007.

NOW THEREFORE, the signatory parties enter into the following Agreement.

This Memorandum of Agreement, entered into this sixth day of March 2008, among and between eighteen cities and counties in Hampton Roads and the HRPDC, establishes and maintains the Hampton Roads Regional Stormwater Management Program.

BASIC PREMISES

All local governments in Hampton Roads operate stormwater management programs.

The Cities of Chesapeake, Hampton, Newport News, Norfolk, Portsmouth and Virginia Beach received VPDES Permits in 1996. Those permits, which were renewed in 2001, govern the discharges from their MS4 to waters of the State and impose certain operational and reporting requirements on those systems. In 2005, these permits were converted to VSMP Permits. These permits must be renewed on a five (5) year basis and the localities applied for renewed permits in 2005.

The Cities of Poquoson, Suffolk and Williamsburg and the Counties of Gloucester, Isle of Wight, James City, and York were all identified by the U. S. Environmental Protection Agency as requiring VPDES Permits under Phase II of the MS4 Regulations. Those localities that operate municipal separate storm sewer systems (MS4) obtained VPDES Permits in March 2003. Those permits also imposed certain operational and reporting requirements on those systems. In 2005, these permits were converted to VSMP Permits. These permits must be renewed on a five (5) year basis with the next renewal planned for 2007.

Although Gloucester County was initially identified by the U.S. Environmental Protection Agency as requiring a Phase II MS4 Permit, it was subsequently determined that permit coverage for Gloucester County was not required.

The City of Franklin, the Counties of Gloucester, Southampton and Surry and the Towns of Smithfield and Windsor are governed by stormwater management requirements established under the Virginia Stormwater Management Act and the Virginia Erosion and Sediment Control Law. The Chesapeake Bay Preservation Act also governs Gloucester and Surry Counties and the Towns of Smithfield and Windsor. The City of Franklin and Southampton County are the only Hampton Roads localities that are not required to develop stormwater management programs that meet the minimum requirements established in the Virginia Stormwater Management Act. The Virginia Stormwater Management Act imposes operational and reporting requirements on all localities that are required to implement stormwater management programs.

The aforementioned local governments are interested in managing stormwater in a manner which protects and does not degrade waters of the State and which meets locally established quality of life goals and objectives. The Clean Water Act and the VSMP permits require that stormwater quantity and quality be managed to the

maximum extent practicable.

In carrying out their stormwater management responsibilities, the aforementioned local governments have developed a consensus on regional goals to guide the operation of their stormwater management programs. Initially, approved by the Hampton Roads Planning District Commission at its Executive Committee Meeting of September 15, 1999, they are:

1. Manage stormwater quantity and quality to the Maximum Extent Practicable (MEP)
 - Implement Best Management Practices (BMP) and retrofit flood control projects to provide water quality benefits.
 - Support site planning and plan review activities.
 - Manage pesticide, herbicide and fertilizer applications.
2. Implement public information activities to increase citizen awareness and support for the program.
3. Meet the following needs of citizens:
 - Address flooding and drainage problems.
 - Maintain the stormwater infrastructure.
 - Protect waterways.
 - Provide the appropriate funding for the program.
4. Implement cost-effective and flexible program components.
5. Satisfy VSMP stormwater permit requirements:
 - Enhance erosion and sedimentation control.
 - Manage illicit discharges, spill response, and remediation.

This Agreement establishes the administrative framework, which will be used by the local governments in Hampton Roads to address certain stormwater management requirements under the above-cited state and federal laws and regulations.

Eighteen local governments in the Hampton Roads Region will be participants in and signatories to the Agreement.

HRPDC RESPONSIBILITIES

The Hampton Roads Planning District Commission will serve as the policy-making body of the Hampton Roads Regional Stormwater Management Program with the concurrence of the signatory local governments.

Under the terms of this Agreement, the HRPDC is responsible for the following:

Establish and provide appropriate technical and logistical support to the Regional Stormwater Management Committee (RSMC), which will be the technical decision-making body of the Hampton Roads Regional Stormwater Management Program. It will provide technical and policy advice to the HRPDC.

Provide the necessary administrative, technical and clerical resources to support all program activities directed by the RSMC in order to ensure that the permit-holding cities and counties meet applicable stormwater management requirements, including the agreed upon provisions of the VSMP Permits.

Prepare, in cooperation with the RSMC, an Annual Work Program and Budget for the Hampton Roads Regional Stormwater Management Program. The Annual Work Program will be incorporated into the HRPDC Unified Planning Work Program and the Annual Budget will be incorporated into the HRPDC Budget.

Assist the signatories in coordinating reporting on stormwater related activities to other state and federal agencies to ensure that program requirements are met in a cost-effective manner, which minimizes duplicative reporting and the administrative burden on the signatories. This assistance will include management of the Permit Administration and Review System (PARS), developed on a cooperative, regional basis. Development of the PARS is scheduled to be completed in 2008.

Conduct a regional stormwater education program. This will include public education activities and may include outreach to specific economic sectors and groups. The Public Information and Education Subcommittee (HR STORM) will be responsible for guiding the development of original materials, including publications, media advertising and promotional items. This may also include development of locality-specific materials or coordination of bulk purchases. The Public Information and Education Subcommittee will advise the RSMC on the educational and outreach components of the Hampton Roads Regional Stormwater Management Program.

Develop and conduct a regional training program for municipal employees, contractors, civic leaders and other interested parties. The training program will emphasize stormwater management, pollution prevention and permit issues.

Respond equitably and in a timely fashion to requests from all signatory local governments for technical assistance. The time frame for responses will be based on experience, the complexity of individual requests and the overall work load of program staff.

Provide other technical support, as requested, to the signatory local governments.

Develop and maintain staff capability to conduct more comprehensive activities, including stormwater discharge impact analyses and modeling in support of local programs.

Upon request from one or more participating localities, conduct technical studies to support compliance by the localities with VSMP Permit requirements and VSMP Program requirements.

Facilitate development of multi-jurisdictional management plans for shared watersheds. This may include conducting necessary technical analyses.

Take steps, in conjunction with the signatory local governments, to obtain financial support for program activities from outside sources, including state, federal and private grants.

Contract with and manage consultants, including both private firms and academic institutions, to support the regional program, including provision of requested services to local governments in excess of the common program elements.

Represent the Program at federal, state, regional and local governmental, civic, professional and political organizations, agencies and committees.

Provide technical and administrative support, as appropriate, to those localities that are required to develop stormwater management programs to meet VSMP requirements, but that are not required to obtain VSMP Permits for their stormwater discharges.

Prepare annual program reports, or components thereof, which comply with the provisions of the individual VSMP Permits and stormwater management programs of the signatory localities. The basis for this reporting will be the Permit Administration and Reporting System (PARS), being developed cooperatively by the signatory localities and the HRPDC. Where appropriate, the Regional Indicators of Stormwater Management Program Effectiveness, developed through the HRPDC in 2000 will also be used.

Facilitate public outreach in support of TMDL Studies being prepared through the Virginia Department of Environmental Quality and facilitate preparation of TMDL Implementation Plans for impaired waters in all localities in the Hampton Roads Region.

Prepare an Annual Report of activities undertaken through the Hampton Roads Stormwater Management program. This report will include summaries of related activities undertaken on a cooperative basis by the signatories.

Coordinate the compilation of regional data for the Annual Reports to the DCR.

Regional Phase II Program

The HRPDC will be responsible for undertaking certain activities to enable localities permitted under Phase II, and participating in the Regional Phase II Program, to comply with the terms of their MS4 Permits. These activities include:

Operate the regional stormwater management and pollution prevention training programs for local government employees. This program will be one element of the local programs to meet the Pollution Prevention/Good Housekeeping for Municipal

Operations Minimum Management Measure and the education component of the Illicit Discharge Detection and Elimination Management Measure.

Operate the stormwater public information and education program. This program will be one element of the local programs to meet the Public Education and Outreach Minimum Management Measure and the education component of the Illicit Discharge Detection and Elimination Management Measure.

Maintain a Best Management Practices (BMP) Tracking System. This system will serve as one element of the local programs to meet the Construction Site Stormwater Runoff Control and Post-Construction Stormwater Management in new Development and Redevelopment Minimum Management Measures. The BMP Tracking System is a component of the Permit Administration and Reporting System.

Maintain an Illicit Discharge Tracking System. This system will serve as one element of the local programs to meet the Illicit Discharge Detection and Elimination Minimum Management Measure. The Illicit Discharge Tracking System is a component of the Permit Administration and Reporting System.

Continue assisting the localities in the preparation of Annual Reports to DCR, using reporting protocols, developed through the Phase II Program and being developed through the Permit Administration and Reporting System. These reports are to be submitted annually to the Department of Conservation and Recreation to satisfy permit requirements.

Assist the localities with MS4 Permits issued under Phase II of the Program with ongoing program development and evaluation and preparation of applications for permit reissuance.

LOCAL GOVERNMENT RESPONSIBILITIES

Under the terms of the Agreement, the signatory local governments are responsible for the following:

Appoint a representative and alternates, as appropriate, to the Regional Stormwater Management Committee.

Appoint a representative and alternates, as appropriate, to the Public Information and Education Subcommittee (HR STORM).

Provide, in a timely fashion, all locally generated data required by their VSMP Permits and such other data as may be necessary to accomplish locally requested services. This may include data necessary to meet the Annual Reporting requirements of other programs.

Provide timely technical review of HRPDC analyses and conclusions.

Provide technical recommendations to local representatives on the HRPDC, the policy-making body of the Hampton Roads Regional Stormwater Management Program (HRPDC).

Participate in regional efforts to conduct public outreach and education activities in support of the state's TMDL Study process and efforts to develop TMDL Implementation Plans for impaired waters lying within the locality or within watersheds that include the locality.

Support HRPDC efforts to obtain additional funding to support the regional program.

Comply with all terms of their VSMP Permits and related program requirements.

In those cases where a locality is not required to obtain a VSMP Permit, comply with all minimum requirements of the Virginia Stormwater Management Program.

Provide annual funding to support the agreed-upon regional program.

ROLE OF THE REGIONAL STORMWATER MANAGEMENT COMMITTEE

The RSMC will consist of one voting representative of each signatory, appointed by the Chief Administrative Officer of the signatory local government. One or more alternates may be formally designated by the CAO. Generally, the voting representative of each locality will be the VSMP Permit or Program Administrator.

The term of membership on the RSMC will be at the pleasure of the Chief Administrative Officer.

The RSMC may elect a Chairman and Vice-Chairman from among its membership. The HRPDC staff will serve as Secretary for the RSMC.

Ex-officio members of the RSMC will include representatives of the Hampton Roads Sanitation District, U.S. Navy and the Virginia Departments of Environmental Quality, Conservation and Recreation, and Transportation. The RSMC may determine that representatives of other organizations should serve as ex officio members of the Committee.

Generally, the RSMC will operate on a consensus basis. All consideration of and recommendations concerning the Annual Work Program and Budget will require a majority vote of the RSMC membership. Each signatory is entitled to one (1) vote on the RSMC. Approval of the Annual Work Program and Budget may be accomplished through an electronic letter ballot. Following approval of an electronic letter ballot, the RSMC will ratify the letter ballot.

The RSMC will provide technical and policy recommendations to the HRPDC, which is the policy-making body of the Hampton Roads Regional Stormwater Management Program. It will provide day-to-day technical guidance on behalf of the signatory local governments to the HRPDC staff.

Various subcommittees may be established by the RSMC to facilitate operation of the Hampton Roads Regional Stormwater Management Program. The Public Information

and Education Subcommittee (HR STORM) is a standing subcommittee of the RSMC. The Phase I Subcommittee and the Phase II Subcommittee are standing committees of the RSMC.

METHOD OF FINANCING

Program costs will be allocated on a pro-rata basis among the local governments. There will be a base buy-in per participating local government with the balance of annual costs allocated according to a formula reflecting the local share of regional population. Formula details will be developed by the RSMC and approved by the HRPDC with the concurrence of the signatory local governments. The most current estimate of population developed by the Weldon Cooper Center for Public Service/Virginia Employment Commission, will be used as the population base for allocating program costs. Local contributions may be adjusted on an annual basis to reflect program experience and projected program expenditures necessary to satisfy permit requirements and local needs.

Individual local governments may request specific services from the HRPDC, which are in excess of the program elements common to all participants. The cost of such services will be borne by the requesting locality or localities.

When appropriate, financial support from other entities, such as state and federal agencies, and the private sector, will be sought and obtained to support the activities of the Hampton Roads Regional Stormwater Management Program.

AVAILABILITY OF FUNDS

Performance by the HRPDC of its responsibilities under this Agreement is subject to the availability of funding from the signatory local governments. Failure of the local governments to provide the necessary funding to support these activities will constitute a Notice to Modify or Terminate the Agreement.

MODIFICATIONS

Modifications to this Memorandum of Agreement must be submitted in writing, recommended for approval by the Regional Stormwater Management Committee, approved by the Hampton Roads Planning District Commission, and accepted by all signatories.

DURATION AND TERMINATION

This Agreement will have a term of five and one-half years, extending from the date of full execution of the renewed Agreement by the signatories or January 1, 2008, whichever occurs last through June 30, 2013. To conform to local government charter and Virginia Code requirements, the funding provisions of this Agreement will be subject to annual appropriations.

No later than January 1, 2013, the signatories will institute a formal reevaluation of the Hampton Roads Regional Stormwater Management Program. This reevaluation will serve as the basis for appropriate modification of the Agreement and the Hampton Roads Regional Stormwater Management Program.

Any signatory may terminate its participation in the Hampton Roads Regional Stormwater Management Program by written Notice To Terminate to all other parties. Such termination will be effective with the start of the following Fiscal Year. Depending upon the terms of individual VSMP Permits, termination of participation in the Hampton Roads Regional Stormwater Management Program in the middle of a permit term may result in changes to permit conditions and require renegotiation of the individual locality's VSMP Permit from the state (Virginia Department of Conservation and Recreation).

OWNERSHIP OF PROPERTY

It is not the intent of the signatories that the Memorandum of Agreement will result in the purchase, ownership, leasing, holding or conveying of any real property.

INDEMNITY

It is the intent of the signatories that no signatory will be held liable for any damage or associated penalties caused by or associated with the failure of any other signatory to discharge its duties or to exercise due diligence in discharging its duties under this Agreement, and that no signatory, by entering this Agreement, waives any defenses or immunities available to it at law, including, but not limited to, those set forth in Section 15.2-970 of the Code of Virginia.

It is the intent of the signatories that no signatory will be held liable for any damage or associated penalties caused by or associated with the failure of any other signatory to comply with the terms and conditions of the signatory's VSMP Permit.

LIST OF SIGNATORIES

Signature pages will be signed in counterparts.

CITY OF CHESAPEAKE

CITY OF FRANKLIN

GLOUCESTER COUNTY

CITY OF HAMPTON

ISLE OF WIGHT COUNTY

JAMES CITY COUNTY

CITY OF NEWPORT NEWS

CITY OF NORFOLK

CITY OF POQUOSON

CITY OF PORTSMOUTH

SOUTHAMPTON COUNTY

CITY OF SUFFOLK

SURRY COUNTY

CITY OF VIRGINIA BEACH

CITY OF WILLIAMSBURG

YORK COUNTY

TOWN OF SMITHFIELD

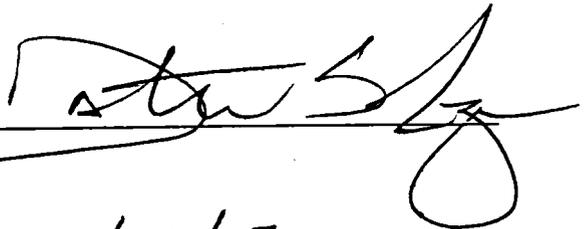
TOWM OF WINDSOR

HAMPTON ROADS PLANNING DISTRICT COMMISSION

This listing of participants will be followed by individual signature pages

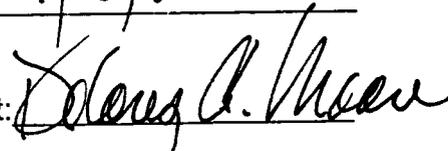
IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

CITY OF CHESAPEAKE

By: 

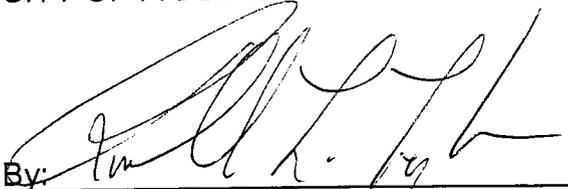
Date: 12/20/07

Date: 1/8/08

Attest: 

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

CITY OF FRANKLIN

By: 

Date: 12.7.07

Date: 12/7/07

Attest: Eric M. Turner

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

GLOUCESTER COUNTY

By: W. J. St

Date: 11/30/07

Date: _____

Attest: _____

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

CITY OF HAMPTON

By: 

Date: 12/20/07

Date: 12/27/07

Attest: 

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

ISLE OF WIGHT COUNTY

By: W. Douglas Cash

Date: December 17, 2007

Date: 12/17/07

Attest: Carey Mills Storm

Approved as to form:

A. Paul Burton

A. Paul Burton
Interim County Attorney

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

JAMES CITY COUNTY

By: Sanford Blodgett

Date: 12/6/07

Date: 12/6/07

Attest: Michelle Salmeron

RECEIVED
DEC 14 2007
HRPDC

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

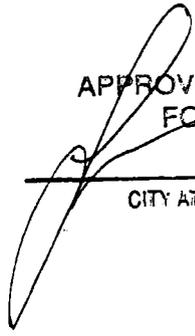
CITY OF NEWPORT NEWS

By: 

Date: 01/2/08

Date: 1-16-2008

Attest: Mabel U. Washington

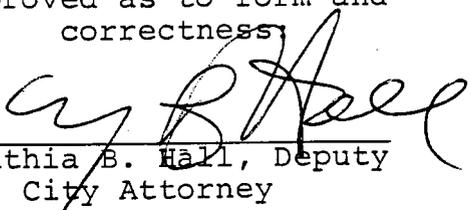

APPROVED AS TO
FORM

CITY ATTORNEY

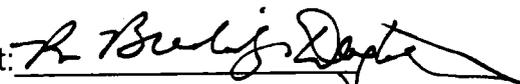
IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

CITY OF NORFOLK

Approved as to form and
correctness


Cynthia B. Hall, Deputy
City Attorney

Date: 3-6-08

Attest: 

By: 
Regina Williams

Date: 12/31/07

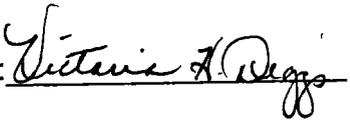
IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

CITY OF POQUOSON

By: 

Date: 11/28/07

Date: 11/28/07

Attest: 

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

CITY OF PORTSMOUTH

By: 

Date: 11-29-07

Date: _____

Attest: _____

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

SOUTHAMPTON COUNTY

By: 

Date: DECEMBER 18, 2007

Date: December 18, 2007

Attest: 

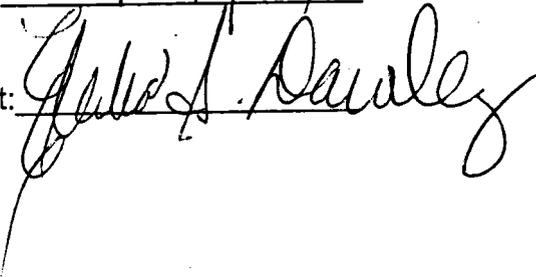
IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

CITY OF SUFFOLK

By: 

Date: 12/19/07

Date: 12/21/07

Attest: 

IN WITNESS THEROF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

SURRY COUNTY

By: 

Date: 2-20-08

Date: 2/20/08

Attest: 

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

CITY OF VIRGINIA BEACH

By: James K. [Signature]

Date: 11/28/07

Date: _____

Attest: _____

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

CITY OF WILLIAMSBURG

By: 
Jackson C. Tuttle

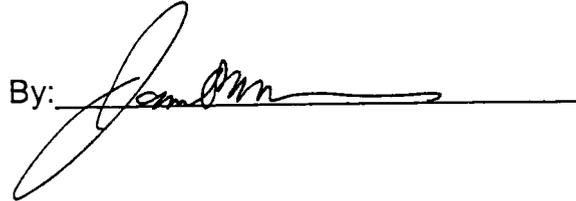
Date: December 14, 2007

Attest: 

Date: December 14, 2007

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

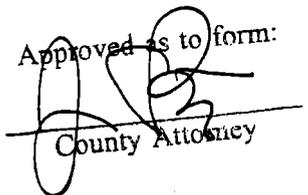
YORK COUNTY

By: _____

Date: 12-28-07

Date: 12-28-07

Attest: _____

Approved as to form:
_____
County Attorney

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

TOWN OF SMITHFIELD

By: 
PETER M. STEPHENSON
TOWN MANAGER

Date: DECEMBER 4, 2007

Date: 12/4/07

Attest: Sharon L. Thomas

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

TOWN OF WINDSOR

By:  _____

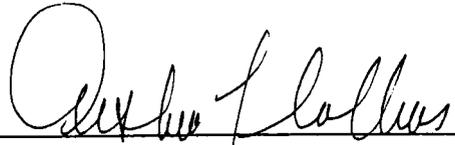
Date: 11/27/07 _____

Date: 11/27/07 _____

Attest: Jerry B. Whitehead

IN WITNESS THEREOF, the Chief Administrative Officer of the local governments and the Executive Director of the Hampton Roads Planning District Commission hereby execute this Agreement.

HAMPTON ROADS PLANNING
DISTRICT COMMISSION

By: 

Date: 3/6/08

Date: _____

Attest: _____

REGIONAL COOPERATION IN STORMWATER MANAGEMENT

FISCAL YEAR 2011-2012

A STATUS REPORT

This report was included in the HRPDC Work Program for FY 2012-2013, approved by the Commission at its Executive Committee Meeting on April 19, 2012

**Prepared by the staff of the
Hampton Roads Planning District Commission
in cooperation with the
Regional Stormwater Management Committee**

September 2012

REPORT DOCUMENTATION

TITLE:

**Regional Cooperation in Stormwater
Management Fiscal Year 2011-2012:
A Status Report**

REPORT DATE

September 2012

GRANT/SPONSORING AGENCY

LOCAL FUNDS

AUTHORS:

Jennifer L. Tribo
Whitney S. Katchmark

**ORGANIZATION NAME,
ADDRESS AND TELEPHONE**

Hampton Roads Planning
District Commission
723 Woodlake Drive
Chesapeake, Virginia 23320
(757) 420-8300
<http://www.hrpdcva.gov>

ABSTRACT

This document describes cooperative activities related to stormwater management undertaken by Hampton Roads local governments during Fiscal Year 2011-2012. Activities described include the regional information exchange process, public information and education, legislative and regulatory issues, cooperative regional studies and related programs. One of a series of Annual Reports, this document is used by the region's twelve localities with stormwater permits to assist them in meeting their permit requirements.

ACKNOWLEDGMENTS

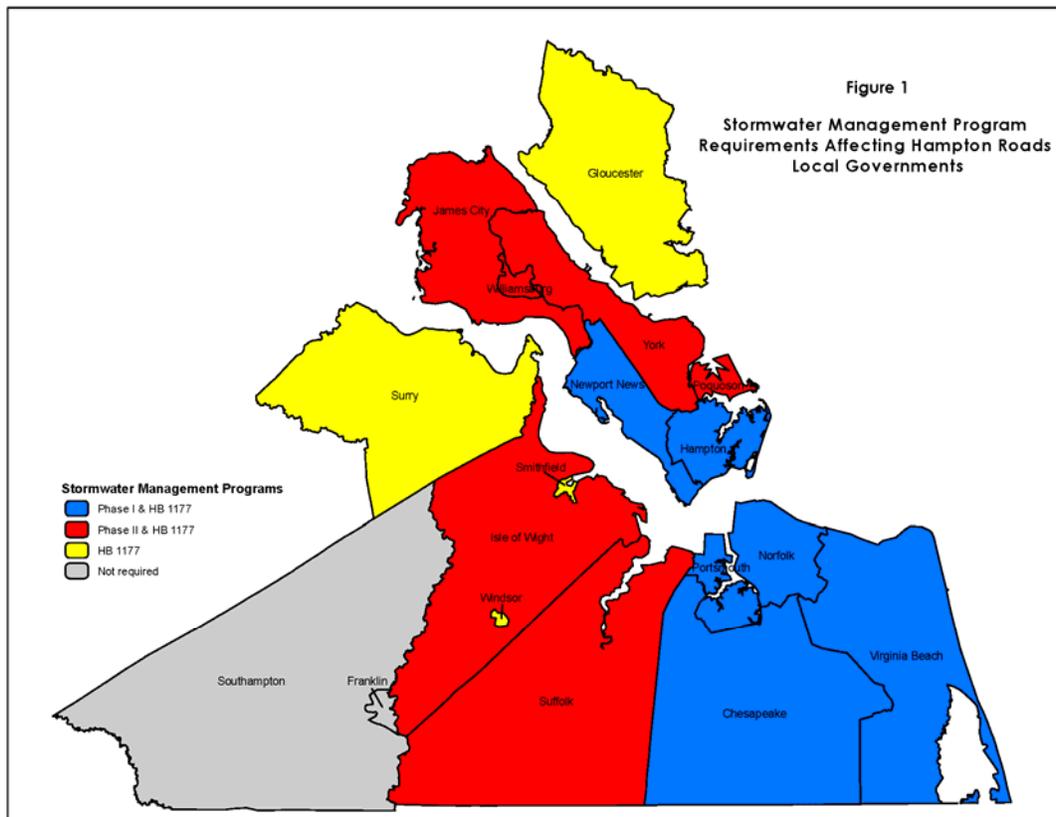
The Hampton Roads Planning District Commission, in cooperation with the Regional Stormwater Management Committee (RSMC), prepared this report.

Preparation of this report was included in the HRPDC Unified Planning Work Program for FY 2012-2013, approved by the Commission at its Executive Committee Meeting of April 19, 2012.

The sixteen member local governments through the HRPDC Regional Stormwater Management Program provided funding.

INTRODUCTION

Working through the Hampton Roads Planning District Commission, the region's sixteen member cities and counties (Figure 1) cooperated on a variety of stormwater management activities during Fiscal Year 2011-2012. This cooperative effort has been underway as a formal adjunct to the Virginia Pollutant Discharge Elimination System Permits (VPDES) for Municipal Separate Storm Sewer Systems (MS4) held by the Cities of Chesapeake, Hampton, Newport News, Norfolk, Portsmouth and Virginia Beach since Fiscal Year 1995-1996. The Cities of Suffolk, Poquoson, Williamsburg, and James City County, Isle of Wight County, and York County joined in 2002 to coordinate Phase II MS4 permit applications. Cooperative activities documented in this report represent a continuation of an ongoing effort, which has involved concerted activity since 1992.



REGIONAL STORMWATER MANAGEMENT PROGRAM GOALS

The HRPDC and the Regional Stormwater Management Committee undertook a comprehensive effort in FY 1998-1999, called the Regional Loading Study. The project included developing a set of regional stormwater management goals to guide the regional program. The goals were

presented to and adopted by the HRPDC at its Executive Committee Meeting in September 1999. They were reaffirmed in the January 2003 approval of the “Memorandum of Agreement (MOA) Establishing the Hampton Roads Regional Stormwater Management Program” and the March 2008 renewal of the MOA. The adopted Regional Stormwater Management Program Goals, which guide the regional program, are:

- Manage stormwater quantity and quality to the maximum extent practicable (MEP).
 - Implement BMPs and retrofit flood control projects to provide water quality benefits.
 - Support site planning and plan review activities.
 - Manage pesticide, herbicide and fertilizer applications.
- Implement public information activities to increase citizen awareness and support for the program.
- Meet the following needs of citizens:
 - Address flooding and drainage problems.
 - Maintain the stormwater infrastructure.
 - Protect waterways.
 - Provide the appropriate funding for the program.
- Implement cost-effective and flexible program components.
- Satisfy VPDES stormwater permit requirements.
 - Enhance erosion and sedimentation control.
 - Manage illicit discharges, spill response, and remediation.

THE REGIONAL PROGRAM

The HRPDC Regional Stormwater Management Committee (RSMC) recommended during FY 1995-1996 that a formal regional program be established at the HRPDC. The program initially focused on activities that supported the permit compliance efforts of the six communities with Phase I VPDES Stormwater System Permits, technical assistance to the region’s non-permitted communities and regional education and training to support all of the communities.

In late 1999, the U.S. Environmental Protection Agency promulgated the final Phase II Stormwater Permit Regulations. To facilitate review of the regulations, the HRPDC staff prepared a “Review and Summary of the Regulations.” That review summarized regulatory requirements, highlighted differences between the Phase I and Phase II regulations, noted potential issues that needed to be considered by the Phase II localities. That report served as the basis for the region’s six Phase II localities moving forward in a cooperative fashion to address the Phase II Permit requirements.

Phase I Localities

The efforts of the Phase I localities this year have focused on developing input for Virginia's Phase II Watershed Implementation Plan and preparing for local program changes required by revisions of the Virginia Stormwater Management Regulations. Localities also urged Virginia and the EPA to remove Phase I MS4 individual Waste Load Allocations from the Bay TMDL.

Localities have continued to follow the Phase I MS4 permit renewal process in Virginia. The Department of Conservation and Recreation has switched focus from reissuing the Fairfax County permit to reissuing the Arlington County permit. HRPDC staff has continued to work with the localities to obtain copies of the draft permit and review the draft with the RSMC. The Phase I localities have monitored and commented on the development of the Phase II MS4 General Permit since the proposed changes may eventually be proposed in the Phase I MS4 permits.

Phase II Localities

In addition to participating in Regional efforts related to the Chesapeake Bay TMDL and the revision of the Virginia Stormwater Management Regulations, the Phase II localities cooperate to evaluate proposed changes to the Phase II General Permit. The Phase II General Permit is scheduled to be reissued on July 1, 2013. HRPDC and local staff volunteered to serve on the State's Regional Advisory Panels for the Phase II General Permit, expansion of Nutrient Exchange, changes to Dam Safety requirements and the application of pesticide to surface waters. The representatives shared updates and concerns with the RSMC to develop regional comments on proposed regulatory changes. Activities in FY 2012 included regional training sessions on Chesapeake Bay Program's VAST tool, the State's proposed e-permitting system, and requirements in the new Stormwater Regulations.

INFORMATION EXCHANGE

The cornerstone of the Regional Stormwater Management Committee's activities continues to be the exchange of information. This is accomplished through regular monthly meetings to address topics of regional importance, as well as crosscutting issues that affect local stormwater, planning, public works and public utilities staff. In addition, various agencies and organizations utilize this regional forum to engage and inform local governments, as well as to gather feedback.

Monthly Meetings

The sixteen communities are represented on the HRPDC Regional Stormwater Management Committee, which meets twice a month. These meetings provide an opportunity to exchange information about successful stormwater management techniques, program activities, utility structures and policies, and a myriad of related environmental issues. Cooperating agencies such as DCR, DEQ, VDOT, HRSD and the US Navy regularly participate in one of the monthly meetings.

Increasingly, the region's localities are affected by and involved in the state's TMDL (Total Maximum Daily Load) Studies and Implementation Plan processes for the Chesapeake Bay and

locally impaired waterbodies. Issues associated with these programs are also addressed during the monthly meetings. In FY12, the RSMC discussed and provided input to DEQ on the PCB TMDL for the James River and the bacteria TMDL for Hoffer Creek. From July 2011 to April 2012, HRPDC held monthly meetings of the Chesapeake Bay TMDL Steering committee. The meetings discussed the State's request for local input for the Phase II WIP and provided guidance to localities on how to develop TMDL strategies.

During FY 2011-2012, representatives of the Regional Stormwater Management Committee assisted the HRPDC staff with developing its comprehensive work program. The HRPDC work program continues to include a strategic planning initiative, identified previously as a high priority activity by this group. The Committee continued the long-term effort to better integrate the various reporting requirements associated with the state's stormwater management programs and to explore institutional approaches to further enhance the region's environmental planning and management programs. In addition, this year the RSMC reviewed the EPA's guidance on Integrated Planning and had a discussion with HRSD about the potential application of this strategy in Hampton Roads.

State and Federal Agency Program Briefings

Representatives of state and federal agencies frequently brief the Committee on developing issues, regulatory guidance and technical programs. During the year, the Committee was briefed regularly by representatives of the Virginia Department of Conservation and Recreation (DCR) on state initiatives related to the Virginia Stormwater Management Regulations, by DEQ staff on the development of TMDLs for local waters and by DCR concerning the Chesapeake Bay Program TMDL efforts.

Watershed Roundtables

The Watershed Roundtable approach is Virginia's preferred approach to nonpoint source pollution management. HRPDC leads the Lower James River (Hampton Roads) Watershed Roundtable and participates in both the York River Watershed Council and the Middle James River Roundtable. Members of the RSMC participate in the Hampton Roads Roundtables, along with representatives from other local government departments, regional and state agencies, Soil and Water Conservation Districts and private organizations.

PUBLIC EDUCATION

askHRgreen.org

To support development and operation of the stormwater education program, a Public Information and Education Subcommittee consisting of local stormwater education/public information staff was established in 1997. The Public Information and Education Subcommittee (HR STORM) was established during FY 1997-1998 and meets on a monthly basis. Program funding supported, in part, HRPDC staff members, who also coordinated the region's water conservation education program (HR WET), the regional litter control and recycling education program (HR CLEAN), the regional wastewater (fats, oil and grease) educational program (HRFOG).

Beginning in FY2011, the HRPDC staff began to combine these separate programs into a single public awareness program and central resource for environmental education in Hampton Roads known as askHRgreen.org. In June 2011, the askHRgreen.org website launched. The website contains information on earth-friendly landscaping ideas and pointers for keeping local waterways clean, recycling tips, and simple steps to make local living easy on the environment. It also includes a blog written by a team of local experts who work in the region’s municipal utility and environmental divisions.

The Stormwater education subcommittee continues to meet on a monthly basis to discuss education priorities for stormwater. The activities conducted through the askHRgreen.org campaign for the year are summarized in the askHRgreen.org Annual Report for Fiscal Year 2012 annual report entitled.

TRAINING

Since 2004, the HRPDC staff has worked with the six Phase II communities to develop and conduct training programs for local government staff. Program topics are reviewed and prioritized annually by the Phase II Subcommittee. The next training is scheduled for Winter 2012 and will focus on lessons learned from audits in the region including general pollution prevention and good housekeeping at municipal facilities. HRPDC will also coordinate with DCR to host additional training linked to new local program requirements and certifications.

Topic	Last offered	Previous dates
Fleet Maintenance	Mar 2005	
Landscaping	Mar 2006	
IDDE	Oct 2009	Feb 2008, May 2007
General Pollution Prevention	Feb 2009	March 2004
Parks & Open Space Mgt.	March 2011	
LID Practices	June 2010	

LEGISLATIVE & REGULATORY MONITORING

This element of the program involves monitoring of state and federal legislative and regulatory activities that may impact local stormwater management programs. Based on this monitoring activity, the HRPDC staff develops briefing materials for use by the localities, including consideration by the governing bodies. As appropriate, the HRPDC staff in cooperation with the Committee develops consensus positions for consideration by the Commission and local governments. The level of effort devoted to this element has increased significantly over the past five years. During 2011-2012, the regional emphasis was continued participation in the evolving regulatory stormwater program of the Department of Conservation and Recreation

and the development of the Total Maximum Daily Load (TMDL) and Implementation Plans for the Chesapeake Bay Watershed.

Virginia Stormwater Regulations

Revisions to the Stormwater Regulations were approved by the Soil and Water Conservation Board in May 2011 and will be implemented by localities by July 1, 2014. In FY12, HRPDC and local government staff served on DCR's Stormwater Local Government Advisory Committee. The committee provided input to DCR on development of a model ordinance and other guidance documents. Other challenges include establishing an approval process for local programs and clarifying certification requirements.

The region is also currently represented on the DCR Stormwater BMP Clearinghouse Committee that was developed to review protocols for proprietary BMP pollutant removal efficiencies, and is a result of a similar regional effort explored by the HRPDC. Regional input is coordinated through the HRPDC Regional Stormwater Management Committee.

Chesapeake Bay TMDL and Virginia Phase II Implementation Plan

Because the water quality goals set forth in the Chesapeake 2000 Agreement were not met by 2010, the Environmental Protection Agency established a Total Maximum Daily Load for the Chesapeake Bay on December 29, 2010. The jurisdictions within the Bay watershed are expected to develop strategies to meet the nutrient and sediment load reductions outlined in the TMDL. In November 2010, Virginia submitted to EPA its Phase I Watershed Implementation Plan (WIP) that outlined the statewide strategies that would be implemented by each source sector. The Phase II WIP outlined the management actions that will be implemented by local governments. On December 15, 2011, Virginia submitted its draft Phase II WIP to EPA. Virginia submitted its final Phase II WIP to EPA on March 30, 2012.

In a November 9, 2011 letter to local governments, DCR director Mr. David Johnson identified Virginia's data needs from localities for the Phase II WIP and requested that the following information be submitted to DCR by February 1, 2012:

1. Develop a current BMP inventory.
2. Evaluate the land use/land cover information.
3. Review the 2017 and 2025 BMP scenarios as identified in the Phase I WIP and develop preferred local scenarios that provide a similar level of treatment.
4. Develop strategies to implement the preferred BMP scenarios.
5. Identify any resource needs to implement the strategies and BMP scenarios.

To address the State's request, HRPDC endorsed the following process at its meeting on November 17, 2011:

- Localities will each submit an individual plan to DCR that focuses on narrative strategies and includes items 1, 2, 4, and 5 above.
- HRPDC staff will translate strategies into a report with two basin-level BMP scenarios of the cumulative local strategies to address item #3 above.

The “Hampton Roads Regional Planning Framework, Scenario, and Strategies” report covered item #3 and provided a regional summary of items 1, 2, 4, and 5. HRPDC completed the report and approved it on January 19, 2012. Localities submitted the report to DCR as an appendix to local plans.

During the last three years, staff has closely followed the EPA’s development of the Chesapeake Bay TMDL. Staff also participated in Virginia’s efforts to create its Watershed Implementation Plan for the Chesapeake Bay through attending the Stakeholder Advisory Group meetings from August 2011 to March 2012. The charge of the Stakeholder Advisory Group was to provide guidance and recommendations to the Secretary of Natural Resources during the development of the Chesapeake Bay TMDL Phase II WIP. Specific issues addressed by the committee included:

- Provide recommendations on strategies to successfully engage local governments, planning district commissions, soil and water conservation districts, and other local and regional entities in the Phase II WIP process;
- Provide comments and recommendations on issues raised by local governments, planning district commissions, soil and water conservation districts, and other local and regional entities as they work toward identifying pollution reduction practices and strategies to be undertaken at the local level;
- Identify potential resources, including funding and staffing opportunities, to assist local governments and other local entities in implementing identified practices.

HRPDC has provided numerous comments on this process and continues to be actively involved in the implementation of the Chesapeake Bay TMDL.

REGIONAL STUDIES

Reducing Nutrients on Private Property: Evaluation of Programs, Practices and Incentives

The goal of this project was to investigate the feasibility, opportunities, and constraints of utilizing best management practices (BMPs) for nutrient reduction on existing urban/suburban residential and light commercial private property as a strategy to meet the Chesapeake Bay TMDL. The report included the following information:

- Examples of local government collaboration with grant-funded, community-based, and other voluntary stormwater management/stewardship projects in the Hampton Roads area;
- A sample of models programs and strategies to work within the locality’s authority and leverage existing tools to implement and maintain retrofits and BMPs on private property;
- A summary of existing programs by locality including the number of potential existing BMPs on private property and the grant money received for the projects; and

- A summary table of all stakeholders contacted and programs/program details reviewed during the project.

Section 2 of the report, Existing Model Programs, provides a number of model programs that localities can emulate or modify based on their own needs in order to increase the number of BMPs on private property. As a next step, HRPDC is coordinating with Wetlands Watch to hold a regional Strategic Summit to take a more intensive look at existing programs and opportunities for collaboration, coordination, and partnerships.

Redevelopment as a Nutrient Reduction Strategy

The Hampton Roads Planning District Commission received a grant in 2011 from the Virginia DEQ Coastal Zone Management Program to examine the role that redevelopment may have in helping to meet the nutrient reduction goals of the Chesapeake Bay TMDL. The study recommended that water quality treatment from redevelopment activities should be one of the strategies that localities use to help meet their Chesapeake Bay TMDL nutrient reduction goals. The following recommendations were identified to help localities plan for using redevelopment as a strategy:

1. Develop a definition of redevelopment for stormwater management site plan design review that is consistent with Virginia's Stormwater Management Regulations.
2. Use redevelopment planning as a catalyst to help provide water quality treatment in existing developed areas that don't currently have water quality controls.
3. Develop a process for tracking nutrient removal due to redevelopment activities so that progress towards the Chesapeake Bay TMDL requirements can be calculated.

Bacteria Source Tracking

The HRPDC is leading a regional effort to develop a bacterial identification methodology for the Hampton Roads Region. Proven genetic techniques are being used to differentiate bacteria sources, so that TMDL plans can be designed to address the cause of the bacterial impairment. During FY2012, researchers from Virginia Tech, University of South Florida, and University of North Carolina in coordination with locality staff and the Hampton Roads Sanitation District (HRSD) analyzed bacteria samples from three case study watersheds in Suffolk, York County, and Virginia Beach. A final Study report is expected in November 2012.

Stormwater Program Matrix

A comprehensive stormwater program matrix, including Phase I and Phase II communities, was developed in FY 2000 which addresses both utility and programmatic issues. HRPDC staff coordinates with local government stormwater program staff to update the information in the matrix annually.

TECHNICAL ASSISTANCE

The HRPDC continues to serve as a clearinghouse for technical assistance to the localities, as well as a point of contact in arranging short-term assistance from one locality to another. The

HRPDC Committee process also provides a forum, allowing state regulatory agency staff to meet with the region's localities to discuss evolving stormwater management regulations. In addition, the HRPDC staff provides technical information and advice to all of the participating localities on a wide variety of issues upon request. The HRPDC is frequently requested by localities from other parts of Virginia for assistance due to its experience with stormwater management programs in Hampton Roads.

In FY2012, technical assistance to localities was focused on disseminating information related to the Chesapeake Bay TMDL and Virginia's Phase II Watershed Implementation Plan. Throughout 2010-2012, HRPDC staff briefed the Hampton Roads Planning District Commissioners on the Phase II WIP development process, and Commissioners approved actions that influenced the Phase II WIP development process. Meeting materials or correspondence for the HRPDC commission meetings and regional steering committee meetings can be reviewed on the HRPDC website (<http://www.hrpdcva.gov/>).

The Regional Steering Committee was convened in July 2011 as an advisory committee to HRPDC to involve regional stakeholders in the Phase II WIP development process. Building from the Tributary Strategies Project Steering Committee in the mid-1990s, the HRPDC invited agencies and organizations contributing to and benefiting from nutrient reductions to join locality representatives in participating on the Regional Steering Committee. Suggestions from the Steering Committee were brought to the HRPDC for approval. The Commissioner's actions from the previous month are reviewed at each Regional Steering Committee Meeting. A summary of each meeting is included in the "Hampton Roads Regional Planning Framework, Scenario, and Strategies" report.

MEMORANDUM OF AGREEMENT

Comment [WK1]: Grab Appendix lang

The Regional Stormwater Management Program was established in 1996 as a formal program of the Hampton Roads Planning District Commission with support and participation from the sixteen member local governments. Due to increasing dependence upon the HRPDC to fulfill various permit requirements for both Phase I and Phase II localities, the HRPDC staff and RSMC developed a Memorandum of Agreement (MOA), formalizing the existing regional program, while providing a structure for future program evolution and regional cooperation. The MOA outlines the basic regulatory and programmatic premises for the cooperative program, incorporating the Regional Program Goals, outlined earlier in this report. It establishes a division of program responsibilities among the HRPDC and the participating localities and establishes the role and responsibilities of the Regional Stormwater Management Committee. It formalizes the traditional method of allocating program costs, addresses questions of legal liability for program implementation and includes other general provisions. The MOA is reauthorized by the signatories every five years. It was last executed in March 2008.

PERMIT ADMINISTRATION AND REPORTING SYSTEM (PARS)

In an effort to streamline reporting and capture data more effectively for local governments, the twelve permitted localities have pooled resources to develop the Permit Administration and

Reporting System, or PARS. Based on local needs and anticipated Phase I permit requirements, as well as changes in the state stormwater management regulations, the region has contracted with URS Corporation to develop a web-based data tracking and reporting system. The first modules of the system are already being utilized by local governments to catalog development sites and their associated best management practices (BMPs). The system also enables localities to capture inspection information, as well as collecting documentation for future inspections or enforcement actions. In addition, localities can use the site to catalog stormwater outfalls, document illicit discharge investigations and record public education information. Users can then query a variety of reports to satisfy the reporting requirements of their stormwater permits. In FY12, the RSMC reviewed the potential for PARS to track and report the implementation of Chesapeake Bay TMDL strategies. The Chesapeake Bay Program and DCR continue to refine the data reporting requirements for BMPs so the evaluation of PARS will continue in FY13.

RELATED PROGRAMS AND PROJECTS

In various combinations, the twelve (12) MS4 communities, as well as their non-permitted counterpart communities, in Hampton Roads participate in a wide variety of related programs. These programs are noted here because of their relationship with stormwater management.

Chesapeake Bay Program

Over the past several years, the Hampton Roads Region has devoted considerable attention to the ongoing Chesapeake Bay Program (CBP). To facilitate local government participation in Chesapeake Bay Program activities, HRPDC staff and RSMC members have participated in the deliberations of many CBP Committees and Work Groups dealing with urban stormwater, land development, watershed planning, land use development, modeling and local government's role in the Bay Program. Since the development of the Chesapeake Bay TMDL in December 2010, the HRPDC and the RSMC have continued to follow the activities of the CBP primarily through participation in the Urban Stormwater Workgroup. In FY 2012, local government stormwater staff volunteered to serve on the BMP Retrofit panel and IDDE panel that develop Bay Program efficiencies for new stormwater best management practices.

Chesapeake Bay Preservation Act Program

Fourteen of the sixteen member localities, including the six cities with Phase I MS4 Permits and the six localities with Phase II MS4 Permits, continue to implement programs in response to the Virginia Chesapeake Bay Preservation Act. Stormwater management is one component of those programs. Although the CBPA is not formally part of the multi-state Chesapeake Bay Program, described above, it serves as one element of local government implementation actions to comply with their MS4 Permits and to meet the goals of the Bay Program.

Water Supply Planning

Beginning with the drought of 2002, the Department of Environmental Quality embarked on an intensive effort to develop regulations governing water supply planning and permitting. This effort was directed by legislation enacted by the Virginia General Assembly in 2003. With a small grant from DEQ, the HRPDC staff and Utilities Committee developed a framework for

accomplishing development of a regional water supply and educational materials on the state planning requirements. In 2011, HRPDC completed the Hampton Roads Regional Water Supply Plan. The plan addresses the requirements of the state planning process for all local governments in the region.

Water Quality Management Planning

Under the Clean Water Act, state legislation, water quality management planning regulations and a consent order involving the Commonwealth of Virginia and the federal government, the state is proceeding with development of a substantial number of TMDL (Total Maximum Daily Load) Studies and subsequent development of TMDL Implementation Plans. This work follows from the classification of the waters by the state as meeting or failing to meet water quality standards. Water bodies that fail to meet water quality standards are classified as “impaired,” triggering the requirement to prepare the TMDL study. Once a TMDL Study is completed, state law requires the development of an Implementation Plan, which will restore water quality in the water body to a level that meets water quality standards.

The HRPDC staff has coordinated regional involvement in the “impaired waters” listing process. This has entailed providing opportunities through the Joint Environmental Committee for education of local government staff on the TMDL process, development of technical comments on the “impaired waters” list and response to the development of TMDLs themselves.

The HRPDC staff is currently working with the region’s localities in participating in TMDL studies. This year the RSMC has provided input on the PCB TMDL for the James River and implementation plan for the bacteria TMDL for Hoffer Creek. To assist the region’s localities in addressing this requirement and ensuring that Implementation Plans are feasible, the HRPDC staff is working with DEQ to devise a cooperative regional partnership to coordinate the TMDL study process with the localities and to develop the required Implementation Plans.

Sanitary Sewer Overflows

In late 2004, the HRPDC staff began implementing an electronic reporting and record keeping system known as the Sanitary Sewer Overflow Reporting System (SSORS). HRPDC staff has provided informational briefings and presentations on this system to a variety of agencies across the state. SSORS enables localities to communicate information about sanitary sewer overflows across departmental lines, allowing for easier reporting. SSORS was the basis for the creation of PARS.

Work continues under the Regional Special Order by Consent with DEQ, thirteen local governments, HRSD and HRPDC. The Order established the framework for sewer system evaluation, flow monitoring, determination of allowable levels of infiltration/inflow, system modeling, and the appropriate balance between system and treatment capacity and collection systems.

As a part of this effort, the regional fats, oils and grease abatement program (HR FOG) was invigorated. A variety of materials for restaurants and residents has been developed to inform the public of proper FOG disposal methods. This is relevant to the stormwater program because of the potential for illicit discharges into the stormwater system.

CONCLUSION

Through the Hampton Roads Planning District Commission, the sixteen localities of Hampton Roads have established a comprehensive Regional Stormwater Management Program. This program provides technical assistance, coordination, comprehensive technical studies and policy analyses and stormwater education, supporting both permitted and non-permitted localities alike. The Regional Stormwater Management Program enables the region's localities to participate actively and effectively in state and federal regulatory matters. It has enhanced the ability of the twelve localities with VPDES Permits for their Municipal Separate Storm Sewer Systems to comply with permit requirements. Their long history of participating in the Regional Stormwater Management Program enhanced the efforts of the localities that obtained Phase II MS4 Permits in 2003 to move forward cooperatively with permit applications and program development. In fact, their participation in the regional program over the past decade led to the establishment of the cooperative Phase II Permit component of the regional program.

Since the HRPDC staff also coordinates a number of other regional environmental initiatives, the program allows for effective coordination and regional balancing of the various activities. On several occasions over the last several years, the HRPDC formally endorsed recommendations developed through this coordinated initiative on state water quality and technology standards, funding guidelines, implementation strategies, as well as on state legislation addressing funding needs for water quality improvement programs.

The Regional Stormwater Management Program provides a mechanism through which the strengths of the sixteen local stormwater programs can be mutually supportive. It allows for cost-effective compliance with permit requirements, resolution of citizen concerns with stormwater drainage and water quality matters, and achievement of improved environmental quality throughout the Hampton Roads Region.

GOOD to DO

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Annual Report & Fiscal Year 2012
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*EXECUTIVE COMMITTEE MEMBER

PROJECT STAFF

JOHN M. CARLOCK, AICP

HRPDC DEPUTY EXECUTIVE DIRECTOR

JULIA B. HILLEGASS
KATIE R. CULLIPHER
LISA HARDY

PUBLIC INFORMATION & COMMUNITY AFFAIRS ADMINISTRATOR
SENIOR ENVIRONMENTAL EDUCATION PLANNER
PHYSICAL AND ENVIRONMENTAL PLANNER

MICHAEL LONG
CHRISTOPHER W. VAIGNEUR
RICHARD CASE

GENERAL SERVICES MANAGER
ASSISTANT GENERAL SERVICES MANAGER
FACILITIES SUPERINTENDENT

ASKHRGREEN.ORG ANNUAL REPORT
JULY 1, 2011 - JUNE 30, 2012

This report was included in the HRPDC Unified Planning Work Program which was approved by the HRPDC at its Quarterly Commission Meeting of April 19, 2012

Prepared by the
Hampton Roads Planning District Commission
September 2012

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GLOSSARY OF TERMS

Impressions: *the number of times an advertisement or public relations placement can be seen or heard by an audience.*

Public Relations Value: *the equivalent advertising cost of a public relations article, interview, internet placement, etc. times three. Because a public relations placement has a higher value with an audience than advertising, it is assigned a higher value.*

Added Value: *earned but unpaid advertising value.*

Exposure Value: *the combination of advertising cost and public relations value.*

CTR (Clickthrough Rate): *a way of measuring online advertising. The CTR of an advertisement is defined as the number of clicks on an ad divided by its impressions, expressed as a percentage.*

Unique Visitors: *a measure of the amount of unique people who visit a site, or click on a link in a given amount of time. While a single person could tally multiple page views by reloading a page, it will still count as a single unique visitor.*

DEAR ASKHRGREEN.ORG FRIENDS AND MEMBERS,

Fiscal year 2011-2012 has been an exciting year for askHRgreen.org. New media campaigns were launched, the website saw over 27,500 visitors, and the mobile education trailer traveled to 27 regional events. We also hosted a week-long Drinking Water Week Celebration to encourage residents to “Take Back the Tap”, gained national attention and region-wide citizen participation by hosting The Great American Cleanup™ National Action Days, and published the inaugural issue of our newspaper insert, Green Living, which was included in *The Virginian-Pilot* and the *Daily Press*. This whirlwind year was made possible by the dedication and involvement of our members from the cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach and Williamsburg; the counties of Gloucester, Isle of Wight, James City, Southampton, Surry and York; and HRSD.

Julia Hillegass

*Public Information & Community Affairs Administrator
Hampton Roads Planning District Commission*



ABOUT ASKHRGREEN.ORG

askHRgreen.org is a public awareness program and central resource for environmental education in Hampton Roads — from earth-friendly landscaping ideas and pointers for keeping local waterways clean to recycling tips and simple steps to make local living easy on the environment. The initiative is powered by the 16 cities and counties of Hampton Roads, HRSD, and the Hampton Roads Planning District Commission. Work on the askHRgreen.org campaign began in July 2010 as the individual programs of HR CLEAN, HR FOG, HR STORM and HR WET unified into one central-focused, regional awareness campaign.

askHRgreen.org was launched in June 2011. With an emphasis on simple steps residents and businesses can take to find their “inner green” and become environmental stewards, askHRgreen.org has blossomed into a go-to resource for everything green in Hampton Roads. Website features include easy-to-use green practices; locality specific information; an interactive calendar highlighting regional events; and the “Let’s Talk Green” blog written by a team of local experts who work in the region’s municipal utility and environmental divisions.

You can “like” askHRgreen.org on Facebook at Facebook.com/askHRgreen, tweet and retweet at Twitter.com/HRgreen, “tune in” at YouTube.com/HRGreenVA, and read and comment on the blog, askhrgreen.org/blog.



“This whirlwind year was made possible by the dedication and involvement of our members...”

askHRgreen.org

FY 2011-2012
Highlights

27,685 website visitors from
July 2011 - June 2012

30.7 million opportunities to
see or hear askHRgreen.org
in the media

225,000 Green Living Inserts
distributed through
The Virginian-Pilot & Daily Press

New exterior wrap for the
mobile education trailer

Facebook contests

Hosted Great American
Cleanup™ National Action
Days

Awarded **\$9,248** in
environmental education
mini-grants to **24** schools
in **9** localities

ASKHRGREEN.ORG CAMPAIGN RESEARCH

In the fall of 2010, focus group and online research was conducted by askHRgreen.org to form the foundation for the development of a marketing plan designed to change environmental attitudes and behaviors in Hampton Roads. While the research was used to inform decisions in all areas of the campaign, specifically it was used to:

- Profile target audiences for the campaign
- Develop creative strategies
- Plan educational and marketing tactics
- Help with media planning

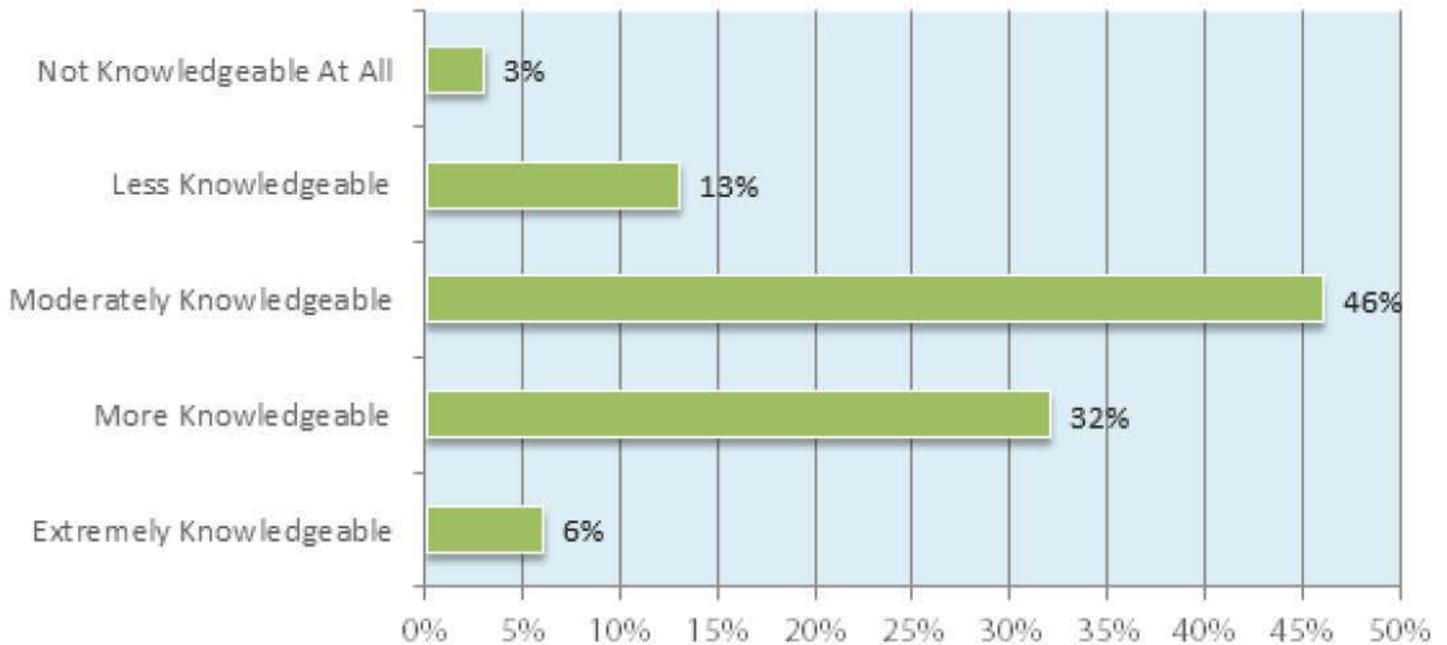
The research revealed that members of the Hampton Roads community are at different stages in the adoption of desired environmental behaviors. Some have very heightened awareness of what it means to be good stewards and rigorously follow best practices. According to the baseline survey, they are more likely to:

- Be male, over 50 years of age
- Have a college degree
- Earn over \$100K
- Be married

Others are aware of what they should be doing, but only do it when it is convenient. Others have no awareness and no interest. This is typical of communities adopting new knowledge or behavior over time.

One of the questions posed on the baseline online survey was: "How knowledgeable do you feel about local environmental issues?" Thirteen percent of respondents said they are *less knowledgeable* and 3% said they are *not knowledgeable at all* about local environmental issues. The *less knowledgeable* group indicates a measure of interest that can be seen as an opportunity for behavioral change. The remaining 84% of the population described themselves as *moderately knowledgeable* to *extremely knowledgeable*.

Hampton Roads Population Self-Described Knowledge of Local Environmental Issues



For the askHRgreen.org campaign, the audience that describes itself as *moderately to not knowledgeable* is of great interest for planning purposes. The survey results revealed participants who fell into this category were more likely to be:

- Women
- 18-49 years of age
- Without college degrees
- Earn under \$75K
- Unmarried

The survey also asked who is seeking information. The results show that the demographic profile of those *without knowledge of local environmental issues* in Hampton Roads is very similar to the profile of those *not seeking information*. Once again, they were more likely to be:

- Women
- 18-49 years of age
- Without college degrees
- Earn under \$75K

This means that not only does a large share of the audience describe itself as moderately or not knowledgeable, but a similar share is not seeking information. While it is clear that both groups share a similar profile and can be targeted by the campaign, it is disturbing for Hampton Roads that *50% and more of those surveyed described themselves as moderately or not knowledgeable and display little interest in seeking environmental information*. Therefore, askHRgreen.org really has its work cut out for it.

50% and more of those surveyed described themselves as moderately or not knowledgeable and display little interest in seeking environmental information.

FISCAL YEAR 2011-2012 CAMPAIGN SCHEDULE & RESULTS

Nine environmentally-themed media campaigns ran throughout FY12 for a total of 18 weeks of exposure.



Campaign	Media	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN
askHRgreen.org Media	R-P-O 4 weeks												
Thanksgiving Cooking - FOG	R-O 2 weeks												
Super Bowl Cooking - FOG	R-O-FB 2 weeks												
Great American Cleanup	R-P-O-FB 2 weeks												
Find and Fix Leaks - Fix a Leak Week	R-O-FB 2 weeks												
Spring Fertilizer Use	R-O-FB 2 weeks												
Garbage Disposal Use	R-O-FB 2 weeks												
Value of Water - Tap vs. Bottled	R-O-FB 2 weeks												
Green Living Newspaper Insert	P-O 2 weeks												
Public Relations	various												
Promotions	various												
eNewsletters													

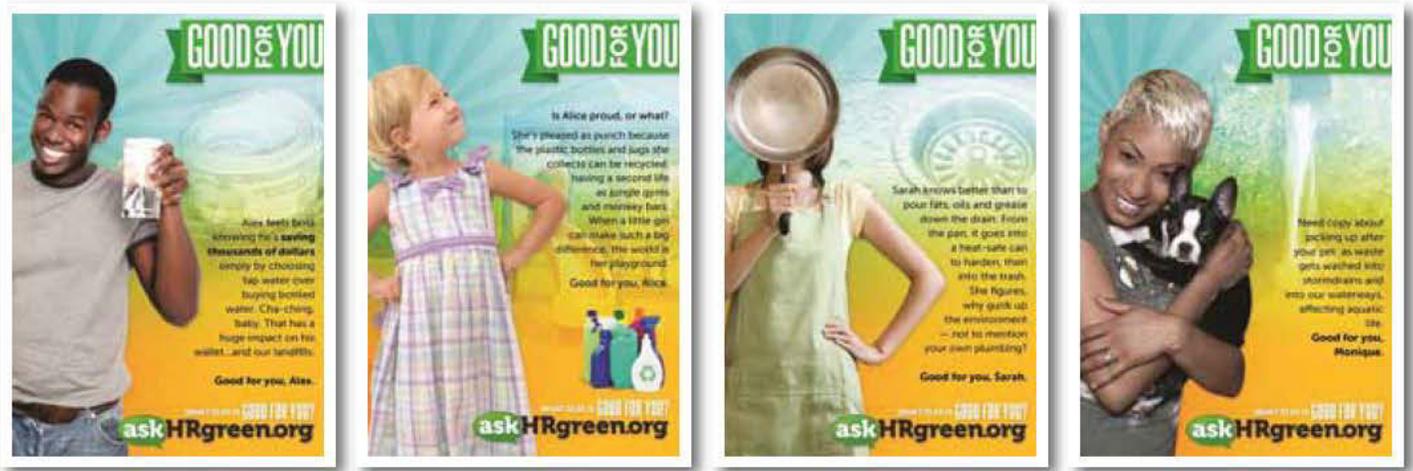
R = Radio P = Print O = Online FB = Facebook

Total Advertising Weeks	20
Impressions	
Newspaper	3.8 million
Radio	3.5 million
Online	19.6 million
Added Value (earned unpaid media)	1.8 million
Public Relations (unpaid coverage)	2 million
Total Media Budget	\$129,531
Total Public Relations & Creative Budget	\$111,531
Value	
Added Value (earned unpaid media)	\$44,952
Public Relations (unpaid coverage)	\$253,314
Total Exposure Value	\$539,328
Totals	
Impressions	30.7 million
Cost per Thousand Impressions	\$7.84
Return on Investment	2.24 : 1



YOUR GO-TO RESOURCE FOR EVERYTHING GREEN IN HAMPTON ROADS

askHRgreen.org Website Statistics	
Visits	27,685
Unique Visitors	21,393
Average Page Views	2.42
Average Time on Site	2:19
Bounce Rate	62%



“LET’S TALK GREEN” BLOG

The askHRgreen.org website features a blog written by subcommittee members covering everything from green tips around the house to community events and local volunteer opportunities. The blog is interactive as readers are able to post comments and questions for the bloggers.

Current askHRgreen.org Blogging Team



Tiffany Wright
Virginia Beach



Lisa Hardy
HRPDC



Debbie Blanton
Hampton



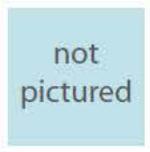
Brianna Venner
Hampton



Julia Hillegass
HRPDC



Katie Cullipher
HRPDC



Cris Ausink
Hampton

to FY13, the recipient list is already up to over 1,100 subscribers and the goal is to send out a newsletter full of interesting tips, events, and articles each month.



ELECTRONIC NEWSLETTER

The askHRgreen.org electronic newsletter is shared via email to media contacts and an ever-growing list of citizens whose email addresses have been collected at events and through online promotions. Two newsletters were sent out in FY12 to 900 recipients. Looking ahead

SOCIAL MEDIA

In FY12, social media was a key source for public outreach. askHRgreen.org continues to use Facebook, Twitter, and YouTube to promote the blog and upcoming events, as well as to hold contests that generate more followers.

GREEN LIVING INSERT

This was the inaugural year for the Green Living newspaper insert. The insert was created in partnership with *The Virginian-Pilot* and included ads from local businesses in the green sector and contained six full pages of askHRgreen.org editorial content plus four half-page askHRgreen.org ads. The editorial content gave an overview of askHRgreen.org; discussed the importance of choosing tap water over bottle water; provided money-saving lawn and landscaping tips; advised what not to put down your home drain; and promoted the Great American Cleanup™ National Action Days. The insert was included in the April 18, 2012 edition of both *The Virginian-Pilot* and the *Daily Press* to a total distribution of 225,000. In addition, members of askHRgreen.org received 10,000 overprints to distribute as needed.



REGIONAL EVENTS

The mobile askHRgreen.org education trailer received a face lift this year with a beautiful new exterior wrap that clearly conveys the campaign messages. It stands out at events, and with committee members staffing it and handing out promotional items and information, it is hard to pass by without learning something new. Two new banner signs were also purchased for display at indoor events. In FY12, committee members represented askHRgreen.org at 24 community events.

Green Living Readership

The Virginian-Pilot	348,696
Daily Press	143,220
Total Readership	491,916
Print Impressions	491,916
Online Impressions	80,000
Totals	
Total Impressions	571,916
Cost to askHRgreen.org	\$13,803
Public Relations Value	\$195,288
Total Value	\$218,068
Return on Investment	16 : 1



FY 2011-2012 Regional Events

9/9 - 9/11	Hampton Bay Days	Hampton
9/15 - 9/18	Isle of Wight County Fair	Windsor
9/22	NASA Safety & Health Fair	Hampton
10/15	Great Chesapeake Bay Schooner Race	Portsmouth
3/2 - 3/4	McDonald Garden Center Outdoor Show	Hampton
3/3	SEVA Community Association Day	Virginia Beach
3/9 - 3/11	TBA Mid-Atlantic Home & Garden Show	Virginia Beach
4/13 - 4/15	PHBA Home & Garden Expo	Hampton
4/17	ODU Blue Goes Green	Norfolk
4/19	Gloucester Chamber of Commerce Green Vendor Fair	Gloucester
4/21	Virginia Living Museum Earth Day	Newport News
4/22	Earth Day at Mount Trashmore	Virginia Beach
4/28	RiverFest 2012	Norfolk
5/6	DWW Take Back the Tap Event	Virginia Beach
5/7	DWW Take Back the Tap Event	Chesapeake
5/8	DWW Take Back the Tap Event	Suffolk
5/9	DWW Take Back the Tap Event	Norfolk
5/10	DWW Take Back the Tap Event	Newport News
5/11	DWW Take Back the Tap Event	James City County
5/12	DWW Take Back the Tap Event	Hampton
5/19	Girl Scout Jamboree	Virginia Beach
5/24	NASA-Langley Employee Expo	Hampton
5/24	Sensible Seafood Fest	Virginia Beach
6/2	King-Lincoln Park Day	Newport News
6/5	Anheuser-Busch Earth Event	Williamsburg
6/9-6/10	NOAA Days on the Hague	Norfolk
6/30	Smithfield Olden Days	Smithfield

MINI GRANTS

The Mini Grant Program provides grants up to \$500 for environmentally-themed projects in schools and with youth groups. To be eligible, the project must be in line with one or more of the askHRgreen.org messages. Grants are awarded on a rolling basis. In FY12, a total of \$9,248 was awarded to 24 schools in nine localities.

- The Recycling and Beautification Subcommittee awarded \$2,046.96
- The Stormwater Education Subcommittee awarded \$5,017.10
- The Water Awareness Subcommittee awarded \$2,049.50
- The Fats, Oils and Grease Education Subcommittee awarded \$133.00



FY 2011-2012 Mini-Grants

Watersheds	Deep Creek Middle School	Chesapeake	\$499
Watershed Restoration	Greenbrier Middle School	Chesapeake	\$500
Butterfly Garden	Hunter B. Andrews	Hampton	\$500
Secret Agents Going Green	Machen Elementary	Hampton	\$500
Taking to the Air and Canoe	Spratley Gifted Center	Hampton	\$500
Student Water Quality Assessment of the James, Elizabeth and York Rivers	Booker T. Washington Middle School	Newport News	\$439
Restoring Oysters to the Chesapeake Bay	Booker T. Washington High School	Norfolk	\$500
Oyster Restoration	Norfolk Christian Lower School Norfolk Campus	Norfolk	\$110
Oyster Restoration	Norfolk Christian Lower School Norfolk Campus	Norfolk	\$110
Rain Barrel	Willard Elementary School	Norfolk	\$500
Go Green With Blue Recycling Bins	I.C. Norcom High School	Portsmouth	\$225
Butterfly and Vegetable Garden with Rain Barrel	Olive Branch Preschool Center	Portsmouth	\$500
Watershed Peers	Woodrow Wilson High School	Portsmouth	\$250
Composting with the Ecology Club & 3rd Grade	Poquoson Elementary School	Poquoson	\$360
Metamorphosis Project	John F. Kennedy Middle School	Suffolk	\$500
Oyster Reef Restoration	Landstown Middle School	Virginia Beach	\$150
Pearls of Environmental Wisdom	Linkhorn Park Elementary School	Virginia Beach	\$370
Oyster Restoration	Norfolk Christian Schools Beach Campus	Virginia Beach	\$110
Environmental Science & Sustainable Gardening	Saint Gregory the Great School	Virginia Beach	\$400
Army Corps	Seatack Elementary School	Virginia Beach	\$250
Operation Oyster	Strawbridge Elementary School	Virginia Beach	\$150
Oyster Restoration Project	Virginia Beach Middle School	Virginia Beach	\$280
Paper Recycling Project	James River Elementary	Williamsburg	\$212
Lafayette Vegetable Garden	Lafayette High School	Williamsburg	\$500
Restoration of Children's Garden	Williamsburg Montessori School	Williamsburg	\$584
Vermicomposting with our School	J. Blaine Blayton Elementary School	Williamsburg	\$250

PROMOTIONAL ITEMS

askHRgreen.org distributes a variety of educational and promotional items at community events including: reusable shopping bags, shower timers, toilet leak detection dye tablets, hose nozzles, rain gauges, seed packets, lemonade packets, cups, koozies, pencils, pens, dog waste bag holders, stickers, reusable water bottles, flashlight carabineers, silly bands, grease can lids, sink strainers, pot scrapers, measuring spoons, and more. The items display the askHRgreen.org logo and are a good draw at events.



RECYCLING AND BEAUTIFICATION SUBCOMMITTEE

The Recycling and Beautification Subcommittee is a coalition of local government staff members working together to share ideas and pool resources for various education programs tailored to beautification, litter prevention and recycling education.

Focal Area: Electronics Recycling
Target Audience: Entire Hampton Roads Community

The proper management and handling of unwanted electronics was a major campaign message this year. askHRgreen.org received a grant from Keep America Beautiful to host two electronics recycling events, one

on the Peninsula and one on the Southside, on America Recycles Day, November 15. The grant allowed askHRgreen.org to provide residents and businesses an opportunity to recycle their electronics and have their documents shredded at no cost. Special effort was given to reach out to small businesses, which have been an under served market for electronics recycling in this area.

Yorktown Collection Site

- 287 vehicles (many were fully loaded trucks/vans)
- 1 ½ tons of paper shredded and recycled
- 150 cell phones collected for Phones For Warriors Program
- 3 large plastic bags full of plastic bags and film to be recycled
- 31,194 pounds of electronics

Norfolk Collection Site

- 168 vehicles (many were fully loaded trucks/vans)
- 2 ½ tons of paper shredded and recycled
- 2 ½ large plastic bags full of plastic bags and film to be recycled
- 23,044 pounds of electronics

Focal Area: Christmas Tree Recycling
Target Audience: Entire Hampton Roads Community

The majority of localities in Hampton Roads provide Christmas tree pickup and recycling. In FY12, askHRgreen helped to get the word out about each locality's service by issuing a media release, featuring the information prominently on the website, and promoting it via Facebook.



Focal Area: Great American Cleanup™
National Action Days

Target Audience: Entire Hampton Roads
Community

Hampton Roads, through the partnership of askHRgreen.org and Keep Virginia Beautiful, was selected as one of 10 national locations for Keep America Beautiful's 2012 Great American Cleanup™ National Action Days. The Great American Cleanup is the largest grass roots community involvement program in the United States. The launch of the Hampton Roads cleanup events, April 27-28, 2012, represented the only event in Virginia and involved over 1,700 volunteers transforming local parks, waterways, and recreational areas into cleaner, greener environments.

For our 2012 National Action Days, Hampton Roads localities hosted and organized "transformational" community improvement projects that involved the help of 25 or more volunteers per project, for a half day of work. The event was designed to connect Hampton Roads volunteers with projects that are meaningful to their community. Hampton Roads businesses and military servicemen and servicewomen were also invited to form their own cleanup teams to work on projects as a group. In addition, community and environmental leaders applied to spearhead their own projects. Through the fundraising efforts of Keep Virginia Beautiful, \$10,000 was raised for localities to use for future community improvement projects. For a full report of the Great American Cleanup, please visit askHRgreen.org.



Overall Results

- Number of volunteers: 1,781
- Number of sites: 92
- Number of participating localities: 13
- Number of corp/military/neighborhood groups: 48
- Pounds of litter/debris collected: 124,862
- Number of trees planted: 86
- Number of shrubs and plants planted: 818
- Number of structures painted: 248

Other activities included removal of invasive species, collection of 515 pounds of household hazardous waste, construction of bear playground for the Virginia Zoo, landscaping of shelters, and collection of plastic bags for recycling and distribution of reusable bags.



Great American Cleanup Media & Public Relations	
Paid Media (2 weeks)	
Radio (WAFX-FM Classic Rock, WNOR-FM, WJOI-FMJ)	
Impressions	346,000
Reach*	24.1%
Frequency*	2.2
Newspaper/Online (The Virginian-Pilot, Daily Press)	
Newspaper Readership/Impressions	983,832
Online Impressions	200,381
Clicks	104
CTR (Clickthrough Rate)	0.052%
Facebook (adults in Hampton Roads)	
Impressions	2,978,292
Clicks	696
CTR (Clickthrough Rate)	0.023%
Unpaid Media	
Added Value (earned unpaid media)	\$1,400
Added Value Impressions	202,000
Articles and Interviews	23
Public Relations Impressions	1,503,907
Public Relations Value (unpaid coverage)	\$96,789
Overall Campaign	
Total Impressions	6,220,255
Total Budget	\$10,453
Total Exposure Value	\$108,642
Return on Investment	10.39 : 1
Cost per Thousand Impressions	\$1.68

*Radio projections of audience levels are based on data provided by Arbitron Research that projects the impressions within a target audience and the number of times the audience is exposed to the message. For the Great American Cleanup campaign, 24.1% of the target audience (the entire Hampton Roads community) was exposed to the message an average of 2.2 times.

askHRgreen.org Website Statistics During Campaign	
Visits	2,329
Unique Visitors	1,884
Page Views	5,843

Focal Area: Legislative Support

Target Audience: Virginia General Assembly

During the 2012 General Assembly Session, the elimination of the Virginia Litter Control and Recycling Fund Advisory Board was proposed by the Governor. This proposed action was seen as an effort to weaken the Litter Control and Recycling Fund. The Fund is available to localities to support programs that accomplish the goals of reducing litter and increasing recycling. The State of Virginia mandates that localities meet or exceed a 25% recycling rate and the money from the Fund is an integral piece of a locality's efforts to meet that rate. The Recycling and Beautification Subcommittee of askHRgreen.org networked with the Virginia Recycling Association and other public service authorities. Based on the committee's recommendation, the Hampton Roads Planning District Commission sent a letter to the Hampton Roads Legislative Delegation urging them to oppose the elimination of the Board. In the end, the Board was saved, but HRPDC staff and the Subcommittee will continue to follow the Fund and ensure it is maintained as intended.





STORMWATER EDUCATION SUBCOMMITTEE

The Stormwater Education Subcommittee is a cooperative partnership of the region's sixteen member cities and counties. This cooperative effort has been underway since 1997 as a formal adjunct to the required public information component of the Virginia Pollution Discharge Elimination System Permits (VPDES) for Phase I and Phase II Municipal Separate Storm Sewer Systems (MS4). Local government staff members work together to share ideas and pool resources for various education programs tailored to stormwater pollution prevention.

Focal Area: Pet Waste

Target Audience: Women; Age 18-49; Not college graduates

As a way to target dog owners at the scene of the crime, the subcommittee has been giving out Scoop the Poop stickers for residents to place on their trash can. The stickers serve as a visual reminder to dog owners walking by.

Focal Area: Lawn Care

Target Audience: Men; College graduates; All household income ranges

Based on the target audience information from the fall 2010 survey, the subcommittee ran the "3 Reasons Why You Should Stop & Think Before Fertilizing" radio and online campaign from March 12-25, 2012. The promotions reminded people to test their soil before fertilizing; to leave grass clipping after mowing instead of using fertilizer; and that stormwater runoff washes fertilizer chemicals into waterways, killing aquatic life.



Money-Saving Lawn & Landscaping Tips

We can't give you a money tree, but we can give you lawn and landscaping tips to save you both money—and time. This spring, when yard work beckons, consider these easy-to-implement practices:

Treat Your Soil Right

Test your soil every 3-4 years to determine exactly what your lawn needs so you don't waste money overfertilizing and damaging your yard. If your lawn does need fertilizer, make sure rain isn't in the two-day forecast, and keep the fertilizer off paved surfaces, driveways, sidewalks and roadways. To learn more about proper fertilizer use, visit askHRgreen.org/fertilizing.

Go Native with Your Plantings

Trees, shrubs and hardy perennials not only beautify your yard, they keep the soil in its place and slow down the flow of rain water so it soaks deep within the ground. When selecting new plantings, choose native varieties which require less or no watering and fertilizer. A bonus: These plants are more resistant to insects and diseases.

Mulch, Mulch, Mulch

A two-inch layer of mulch material, such as fir bark, pine needles or wood chips, will control erosion, retain

moisture, reduce water loss and stabilize the soil temperature. Mulch also can reduce or eliminate weeds, freeing you up to reach for your tennis racket instead of a rake.

Mow at the Proper Height

Newly-seeded lawns should be mowed early and often, leaving 1.5 to 2 inches of grass height. Once your lawn is established, set the mower blade higher, leaving 2 to 3.5 inches of grass.

Water Wisely

Water only when your lawn is stressed from lack of water. Then, water deeply, but infrequently, to encourage deep roots. Typically, a total of 1 inch of water a week is all you need.

For more lawn and landscape tips, visit askHRgreen.org/lawn-garden-care



the Scoop on Poop

Dog poop is not a fertilizer! Instead of turning your grass green, it will cause burns and unsightly discoloring to your lawn. Keep pet waste off the lawn, out of the storm drain and away from our streams, bay and ocean. Simply scoop it, bag it and trash it in the garbage. Request a free "Scoop the Poop" sticker for your trashcan or car at askHRgreen.org/contact or on [facebook.com/askHRgreen](https://www.facebook.com/askHRgreen).



Fertilizer Campaign Media Results	
Paid Media (2 weeks)	
Radio (WAFX "The Fox" Classic Rock and WVSP-FM "ESPN 94.1" - Sports Radio)	
Impressions	427,850
Reach*	40.6%
Frequency*	3.5
Online Newspaper (The Virginian-Pilot, Daily Press)	
Impressions	217,870
Clicks	467
CTR (Clickthrough Rate)	0.21%
Online TV (WVEC.com)	
Impressions	319,994
Clicks	288
CTR (Clickthrough Rate)	0.09%
Facebook (adults in Hampton Roads)	
Impressions	2,316,818
Clicks	733
CTR (Clickthrough Rate)	0.032%
Unpaid Media	
Added Value (earned unpaid media)	\$4,500
Added Value Impressions	195,833
Overall Campaign	
Total Impressions	3,484,504
Total Budget	\$21,500
Total Exposure Value	\$26,000
Return on Investment	1.21 : 1
Cost per Thousand Impressions	\$6.17

*Radio projections of audience levels based on data provided by Arbitron Research that projects the impressions within a target audience and the number of times the audience is exposed to the message. For the Lawn Care campaign, 40.6% of the 296,000 men in Hampton Roads that are between the ages of 35 and 64 were exposed to the message an average of 3.5 times.

askHRgreen.org Website Statistics During Campaign	
Visits	2,955
Unique Visitors	2,497
Page Views	6,139

Focal Area: Only Rain Down the Storm Drain

Target Audience: *Specific target audience information is not available for this priority issue.*

There are thousands of storm drains across Hampton Roads that all lead directly to our waterways. To help remind people that "only rain belongs down the drain," the subcommittee has been recruiting schools and volunteer groups of all ages to mark storm drains with medallions that say "No Dumping: Leads To Waterway." The program includes medallions, adhesive, a lesson plan and PowerPoint presentation about stormwater and how individual actions affect our local waterways. Each group is required to work with their locality's committee member to select the storm drains for marking. This also allows the locality to record where the medallions have been placed. This fiscal year, 360 (18 boxes of 20) medallions were distributed as follows:

- Newport News – 1 box
- Norfolk – 9 boxes
- Poquoson – 1 box
- Portsmouth – 7 boxes





FATS, OILS AND GREASE (FOG) EDUCATION SUBCOMMITTEE

The Fats, Oils and Grease Education Subcommittee is a coalition of local government staff members and HRSD working together to share ideas and pool resources for various education programs tailored to preventing sanitary sewer overflows and backups caused by improper disposal of fats, oils and grease. This cooperative effort has been underway since 2007 when 13 of the region's localities and HRSD entered into the Regional Special Order by Consent with the Virginia Department of Environmental Quality.

Focal Area: Holiday Fats, Oils and Grease Disposal

Target Audience: Women; Age 25-64

The subcommittee ran a radio and online campaign in November 2011 to highlight best management practices for proper disposal of fats, oils and grease during the holiday season. The Thanksgiving-themed campaign used humor to educate the public about properly disposing of the FOG associated with



FOG Thanksgiving Campaign Media Results	
Paid Media (1 Week: November 21-27)	
Radio (WVBW "92.9 The Wave," WGH-AM "Star 1310")	
Impressions	458,290
Reach*	22.9%
Frequency*	3.1
Online Newspaper (The Virginian-Pilot, Daily Press)	
Impressions	149,604
Clicks	380
CTR (Clickthrough Rate)	0.25%
Unpaid Media	
Added Value (earned unpaid media)	\$3,576
Added Value Impressions	227,600
Public Relations Impressions	467,668
Public Relations Value (unpaid coverage)	\$7,074
Overall Campaign	
Total Impressions	1,304,321
Total Budget	\$6,775
Total Exposure Value	\$17,424
Return on Investment	2.57 : 1
Cost per Thousand Impressions	\$5.19

*Radio projections of audience levels based on data provided by Arbitron Research that projects the impressions within a target audience and the number of times the audience is exposed to the message. For the FOG Thanksgiving campaign, 22.9% of the 598,000 women in Hampton Roads that are between the ages of 25 and 64 were exposed to the message an average of 3.1 times.

askHRgreen.org Website Statistics During Campaign	
Visits	645
Unique Visitors	588
Page Views	1,159

holiday cooking to avoid blockages and backups and consisted of 60-second radio ads as well as banner advertisements on pilotonline.com and dailypress.com.

Focal Area: Super Bowl Fats, Oils and Grease Disposal

Target Audience: Women; Age 35-64

In early 2012, another campaign was developed to address proper FOG disposal in the kitchen with

a Super Bowl party theme. The campaign “Know Your Cleanup Plays for Your Gameday Graze” once again combined humorous 60-second radio ads with Facebook ads and banners on pilotonline.com and dailypress.com. The campaign ran from January 23 through February 5, 2012.

FOG Super Bowl Campaign Media Results	
Paid Media (2 weeks)	
Radio (WVBC “92.9 The Wave,” WGHM “Eagle 97”)	
Impressions	315,500
Reach*	29%
Frequency*	3.5
Online Newspaper (The Virginian-Pilot, Daily Press)	
Impressions	433,783
Clicks	619
CTR (Clickthrough Rate)	0.14%
Facebook (adults in Hampton Roads)	
Impressions	346,216
Clicks	61
CTR (Clickthrough Rate)	0.02%
Unpaid Media	
Added Value (earned unpaid media)	\$4,000
Added Value Impressions	185,000
Overall Campaign	
Total Impressions	1,283,690
Total Budget	\$12,000
Total Exposure Value	\$16,000
Return on Investment	1.33 : 1
Cost per Thousand Impressions	\$9.35

*Radio projections of audience levels based on data provided by Arbitron Research that projects the impressions within a target audience and the number of times the audience is exposed to the message. For the FOG Super Bowl campaign, 29% of the 321,100 women in Hampton Roads that are between the ages of 35 and 64 were exposed to the message an average of 3.5 times.

askHRgreen.org Website Statistics During Campaign	
Visits	1,239
Unique Visitors	932
Page Views	3,191



Gameday Cleanup Play

Time Out! The sink should never be the end zone for fats, oils or grease. Get the #1 play for keeping your sink and wallet healthy.

Focal Area: Best Management Practices for FOG

Target Audience: Entire Hampton Roads Community

A rack card was also developed to illustrate how harmful FOG can be to the environment. The rack card provides examples of the many sources of FOG and explains “good to do” methods for preventing pipe build-up and overflows: Can the grease, scrape

the plate, catch the scraps, and recycle leftover cooking oil. The rack card also features a QR (Quick Response) Code that, when scanned with a smart phone, will take users directly to a page on the askHRgreen.org website to get more FOG information. 5,000 FOG rack cards were printed and they are distributed at community events throughout the region.

In an effort to ensure all FSE employees had access to materials they could understand, the committee had the following educational materials translated into Spanish and Chinese and printed for distribution:

- Best Management Practices for Restaurant Grease Brochure
- Best Management Practices for Restaurant Grease Poster
- Grease Interceptor Maintenance Guide
- No Grease Sign



In addition to the translations of existing educational materials, the FOG subcommittee worked to develop a grease trap cleaning guide to instruct FSEs in the proper cleaning and maintenance of small grease control devices (under 50 gallons). The following regional grease hauler FOG certification trainings were also offered in FY12:

- August 24, 2011
- November 8, 2011
- February 29, 2012
- May 24, 2012

Focal Area: FOG Training
Target Audience: Food Service Establishment Employees and Grease Haulers

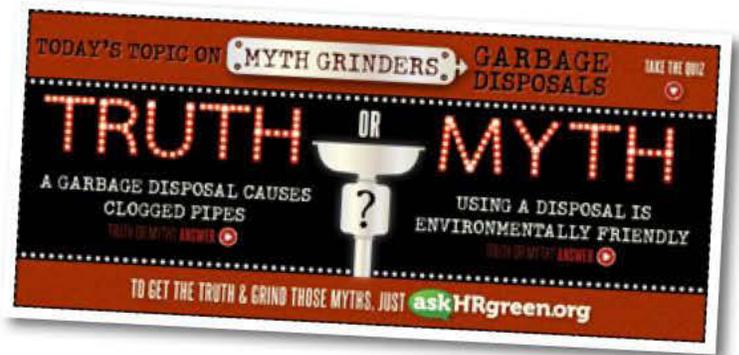
The subcommittee continues to reach out to food service establishments (FSEs) and grease haulers to ensure they are properly trained for handling FOG.

The regional FOG certification program for grease haulers and FSEs was established to inform and train FSE employees and haulers on best management practices for proper disposal of fats, oils and grease. This certification is required by local FOG ordinances and the training will be offered online in FY13.

Focal Area: Garbage Disposals

Target Audience: Women; Age 35-64

Discouraging the use of garbage disposals has become an important message for the FOG subcommittee. In the spring, the “Myth Grinders” campaign was developed to help break the myth that garbage disposals are environmentally friendly. The radio and online campaign ran from April 30 through May 13, 2012 and featured a 60-second radio spot as well as Facebook and banner ads on pilotonline.com and dailypress.com.



Garbage Disposal Campaign Media Results	
Paid Media (2 weeks)	
Radio (WVBW "92.9 The Wave," WGHM "Eagle 97")	
Impressions	414,600
Reach*	29%
Frequency*	3.5
Online Newspaper (The Virginian-Pilot, Daily Press)	
Impressions	340,772
Clicks	655
CTR (Clickthrough Rate)	0.19%
Facebook (adults in Hampton Roads)	
Impressions	4,804,307
Clicks	1,047
CTR (Clickthrough Rate)	0.022%
Unpaid Media	
Added Value (earned unpaid media)	\$6,500
Added Value Impressions	270,833
Overall Campaign	
Total Impressions	5,830,512
Total Budget	\$12,000
Total Exposure Value	\$18,500
Return on Investment	1.54 : 1
Cost per Thousand Impressions	\$2.06

*Radio projections of audience levels based on data provided by Arbitron Research that projects the impressions within a target audience and the number of times the audience is exposed to the message. For the Garbage Disposal campaign, 29% of the 321,100 women in Hampton Roads that are between the ages of 35 and 64 were exposed to the message an average of 3.5 times.

askHRgreen.org Website Statistics During Campaign	
Visits	2,664
Unique Visitors	2,309
Page Views	4,669



 **WATER AWARENESS SUBCOMMITTEE**

The Water Awareness Subcommittee is an education committee comprised of local government staff members who are committed to promoting and educating citizens about the value of tap water and the importance of being good water stewards. This cooperative effort to promote conservation assists localities in meeting requirements of various water supply and ground water permits.

Focal Area: Water Efficiency

Target Audience: Women; Age 25-49

The Water Awareness Subcommittee continues to promote wise water use in a variety of ways. Members

participate in numerous regional community events throughout the year to promote conservation by distributing promotional items such as rain gauges, 5-minute shower timers, toilet leak detection dye tablets, and hose nozzles as well as educational “Water, Use It Wisely” brochures and rack cards and “Water Wise Landscaping and Watering” Guides. In addition to these grass roots marketing efforts, in FY12, the subcommittee developed a radio and online campaign in conjunction with National Fix a Leak Week promoting the concept that “just a few tweaks can fix those leaks” and save thousands of gallons of water. The ads ran from March 5-18, 2012 and featured a 60-second radio spot, Facebook ads, and banner placements on pilotonline.com and dailypress.com.



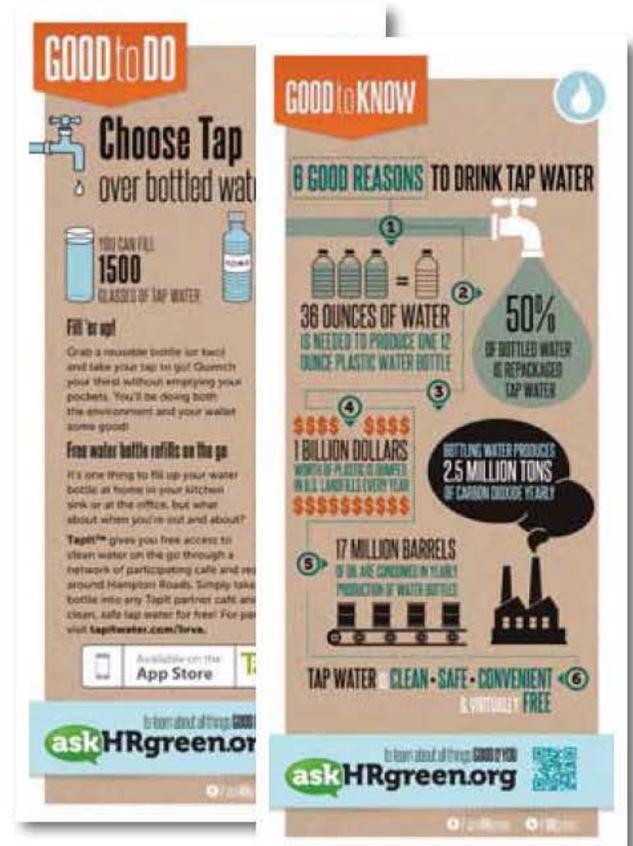
askHRgreen.org Website Statistics During Campaign

Visits	2,374
Unique Visitors	2,000
Page Views	5,137

Fix a Leak Week Campaign Media Results	
Paid Media (2 weeks)	
Radio (WNVX “Z104”, WPTE 94.9, WVKL “95.7 R&B”)	
Impressions	532,800
Reach*	54.6%
Frequency*	3.5
Online Newspaper (The Virginian-Pilot, Daily Press)	
Impressions	421,001
Clicks	607
CTR (Clickthrough Rate)	0.14%
Facebook (adults in Hampton Roads)	
Impressions	2,774,056
Clicks	635
CTR (Clickthrough Rate)	0.023%
Unpaid Media	
Added Value (earned unpaid media)	\$5,750
Added Value Impressions	320,833
Overall Campaign	
Total Impressions	4,048,690
Total Budget	\$15,010
Total Exposure Value	\$20,760
Return on Investment	1.38 : 1
Cost per Thousand Impressions	\$3.70

Focal Area: Value of Tap Water
Target Audience: Women; Age 25-49; Entire Hampton Roads Community

The value of tap water remains a primary focus of the Water Awareness Subcommittee. In FY12, a rack card was developed to illustrate the benefits of choosing tap over bottled water. The rack card features



*Radio projections of audience levels based on data provided by Arbitron Research that projects the impressions within a target audience and the number of times the audience is exposed to the message. For the Fix a Leak Week campaign, 54.6% of the 277,000 women in Hampton Roads that are between the ages of 25 and 49 were exposed to the message an average of 3.5 times.

“6 Good Reasons To Drink Tap Water,” and a QR (Quick Response) Code that, when scanned with a smart phone, takes users directly to a page on the askHRgreen.org website where they can learn more. The subcommittee also developed a radio and online campaign promoting the benefits of choosing tap over bottled water. The ads ran from April 30 through May 13, 2012 and featured a 60-second radio spot, Facebook ads, and banner placements on pilotonline.com and dailypress.com.

Tap vs. Bottled Water Campaign Media Results	
Paid Media (2 weeks)	
Radio (WNVX “Z104”, WPTV 94.9, WVVL “95.7 R&B”)	
Impressions	532,800
Reach*	54.6%
Frequency*	3.5
Online Newspaper (The Virginian-Pilot, Daily Press)	
Impressions	344,621
Clicks	550
CTR (Clickthrough Rate)	0.16%
Facebook (adults in Hampton Roads)	
Impressions	3,096,745
Clicks	639
CTR (Clickthrough Rate)	0.021%
Unpaid Media	
Added Value (earned unpaid media)	\$5,750
Added Value Impressions	320,833
Overall Campaign	
Total Impressions	4,299,668
Total Budget	\$15,010
Total Exposure Value	\$20,760
Return on Investment	1.38 : 1
Cost per Thousand Impressions	\$3.49

*Radio projections of audience levels based on data provided by Arbitron Research that projects the impressions within a target audience and the number of times the audience is exposed to the message. For the Tap vs. Bottled Water campaign, 54.6% of the 277,000 women in Hampton Roads that are between the ages of 25 and 49 were exposed to the message an average of 3.5 times.

askHRgreen.org Website Statistics During Campaign	
Visits	2,664
Unique Visitors	2,309
Page Views	4,669

TapIt Launch in Hampton Roads

In May, the subcommittee launched *TapIt Hampton Roads*, a region-wide water bottle refilling network of participating cafés and eateries that provide free access to drinking water to people on the go. Hampton Roads residents can now take their reusable bottles into any TapIt partner café and fill it up with clean, safe tap water for free. TapIt’s search and mapping features (found online at TapItWater.com/hrva) make it easy for people to find convenient partner locations from their mobile devices or home computers.



WATER ON THE GO Hampton Roads

Participating Partner Locations:

- Norfolk:**
 - 1. A Corner Coffee Mill Bar
 - 2. 402 First Colonial Dr.
 - 3. Friends Cafe
 - 4. 402 First Colonial Dr.
 - 5. Nonesuch Bros & Cousins
 - 6. 214 Broad St.
 - 7. Five Forks Cafe
 - 8. 4424 Lake View Hwy
 - 9. Miles Unlimited
 - 10. 140 Broad St.
 - 11. Nonesuch
 - 12. 1706 Jamestown Rd.
 - 13. Food For Thought
 - 14. 1407 Riverside Rd.
- Chesapeake:**
 - 15. The Village at Chesapeake
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Take Back the Tap Events

To celebrate Drinking Water Week and the launch of the TapIt program, askHRgreen.org hosted *Take Back the Tap* events across Hampton Roads from May 6-12, 2012. Armed with 4,000 free, reusable water bottles and a wealth of information on the benefits of choosing clean, safe tap water, members (and the askHRgreen.org mobile education trailer) traveled to seven different cities in seven days promoting stewardship of our most precious resource across the region. As a part of this week-long celebration, askHRgreen.org partnered with Buffalo Wild Wings locations to raise funds to support the Help to Others (H2O) program, which provides financial assistance to Hampton Roads water and wastewater utility customers in need.

A video highlighting the week-long Take Back the Tap celebrations was submitted to the American Water Works Association's 2012 Drinking Water Week Video Contest and askHRgreen.org won first prize (\$500 worth of consumer and youth education products from the AWWA bookstore) for the entry.

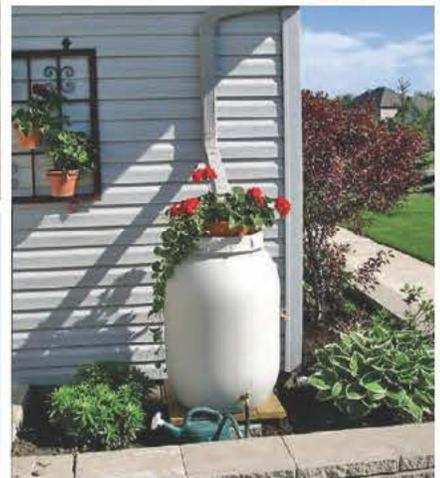
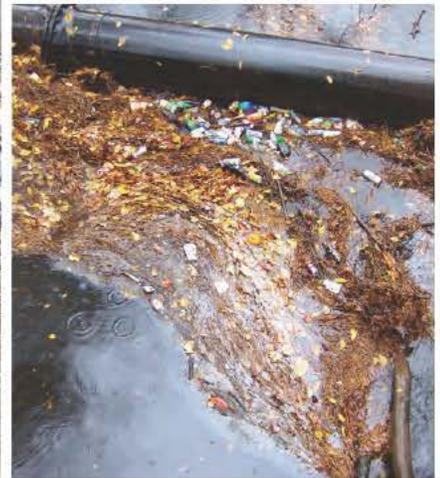
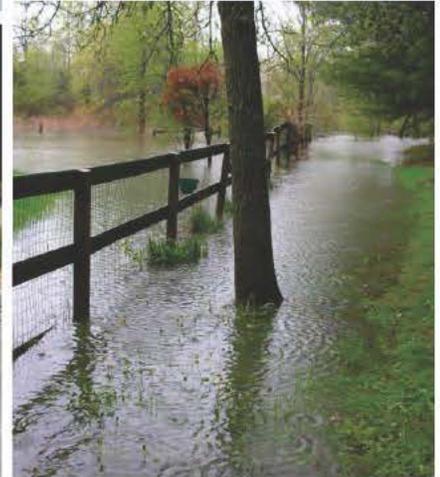


With a focus on simple steps residents and businesses can take to find their “inner green” and become environmental stewards, askHRgreen.org has blossomed into a go-to resource for everything green in Hampton Roads.



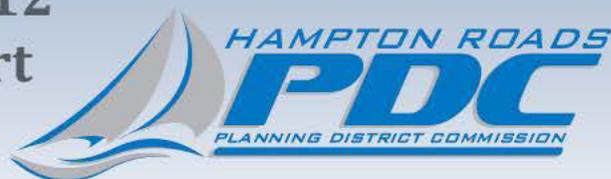
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Regional Cooperation In Stormwater Management



Fiscal Year 2012
A Status Report

PEP12-10



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THOMAS G. SHEPPERD, JR.

*EXECUTIVE COMMITTEE MEMBER

PROJECT STAFF

JOHN M. CARLOCK, AICP

HRPDC DEPUTY EXECUTIVE DIRECTOR

WHITNEY S. KATCHMARK

PRINCIPAL WATER RESOURCES ENGINEER

JENNIFER L. TRIBO

SENIOR WATER RESOURCES PLANNER

TIFFANY M. SMITH

WATER RESOURCES PLANNER

FRANCES HUGHEY

ADMINISTRATIVE ASSISTANT

MICHAEL LONG

GENERAL SERVICES MANAGER

CHRISTOPHER W. VAIGNEUR

ASSISTANT GENERAL SERVICES MANAGER

RICHARD CASE

FACILITIES SUPERINTENDENT

REGIONAL COOPERATION IN STORMWATER MANAGEMENT

FISCAL YEAR 2011-2012

A STATUS REPORT

This report was included in the HRPDC Work Program for FY 2012-2013, approved by the Commission at its Executive Committee Meeting on April 19, 2012

**Prepared by the staff of the
Hampton Roads Planning District Commission
in cooperation with the
Regional Stormwater Management Committee**

September 2012

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Management Fiscal Year 2011-2012:
A Status Report**

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AUTHORS:
Jennifer L. Tribo
Whitney S. Katchmark

**ORGANIZATION NAME,
ADDRESS AND TELEPHONE**
Hampton Roads Planning
District Commission
723 Woodlake Drive
Chesapeake, Virginia 23320
(757) 420-8300
<http://www.hrpdcva.gov>

ABSTRACT

This document describes cooperative activities related to stormwater management undertaken by Hampton Roads local governments during Fiscal Year 2011-2012. Activities described include the regional information exchange process, public information and education, legislative and regulatory issues, cooperative regional studies and related programs. One of a series of Annual Reports, this document is used by the region's twelve localities with stormwater permits to assist them in meeting their permit requirements.

ACKNOWLEDGMENTS

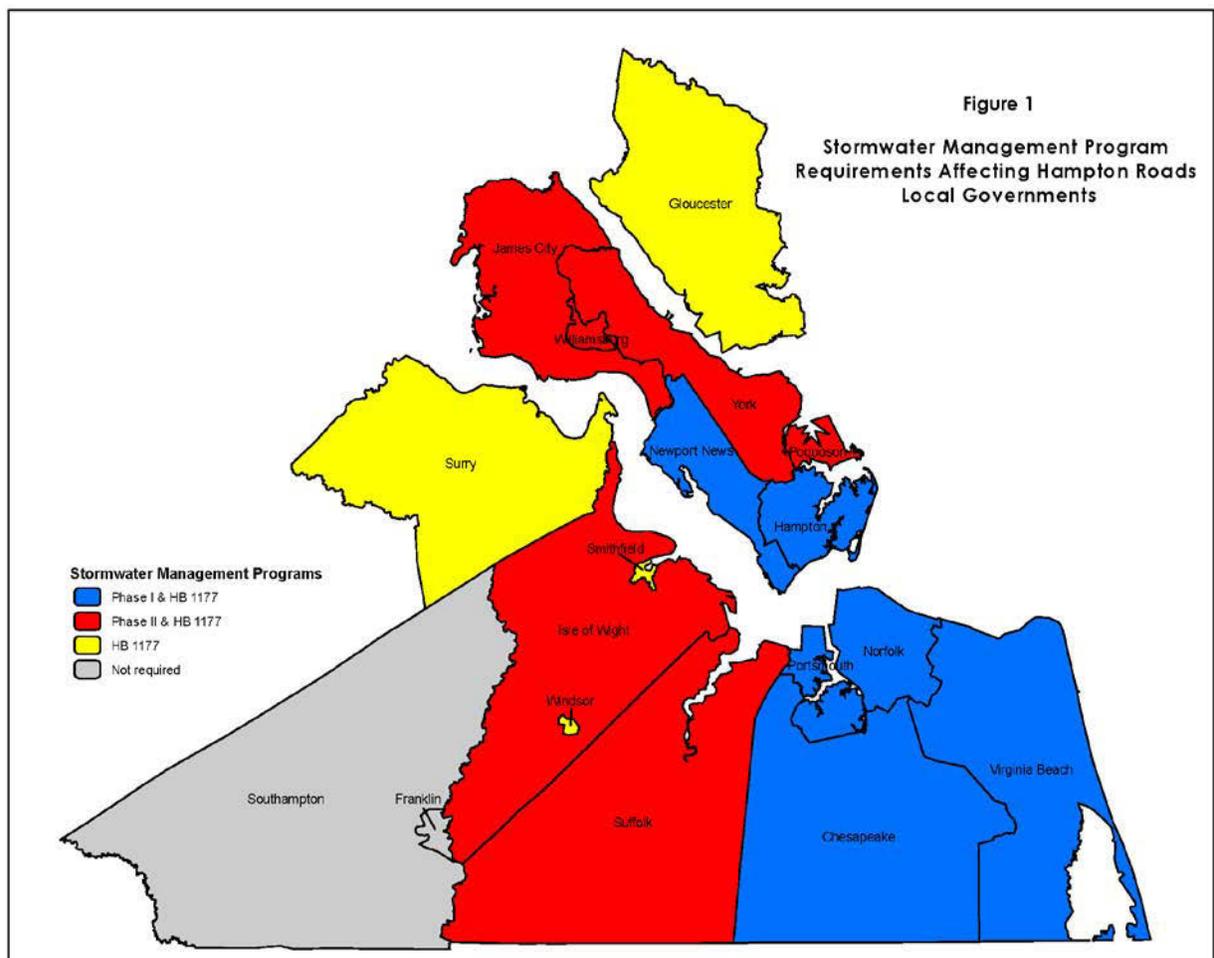
The Hampton Roads Planning District Commission, in cooperation with the Regional Stormwater Management Committee (RSMC), prepared this report.

Preparation of this report was included in the HRPDC Unified Planning Work Program for FY 2012-2013, approved by the Commission at its Executive Committee Meeting of April 19, 2012.

The sixteen member local governments through the HRPDC Regional Stormwater Management Program provided funding.

INTRODUCTION

Working through the Hampton Roads Planning District Commission, the region's sixteen member cities and counties (Figure 1) cooperated on a variety of stormwater management activities during Fiscal Year 2011-2012. This cooperative effort has been underway as a formal adjunct to the Virginia Pollutant Discharge Elimination System Permits (VPDES) for Municipal Separate Storm Sewer Systems (MS4) held by the Cities of Chesapeake, Hampton, Newport News, Norfolk, Portsmouth and Virginia Beach since Fiscal Year 1995-1996. The Cities of Suffolk, Poquoson, Williamsburg, and James City County, Isle of Wight County, and York County joined in 2002 to coordinate Phase II MS4 permit applications. Cooperative activities documented in this report represent a continuation of an ongoing effort, which has involved concerted activity since 1992.



REGIONAL STORMWATER MANAGEMENT PROGRAM GOALS

The HRPDC and the Regional Stormwater Management Committee undertook a comprehensive effort in FY 1998-1999, called the Regional Loading Study. The project included developing a set of regional stormwater management goals to guide the regional program.

The goals were presented to and adopted by the HRPDC at its Executive Committee Meeting in September 1999. They were reaffirmed in the January 2003 approval of the “Memorandum of Agreement (MOA) Establishing the Hampton Roads Regional Stormwater Management Program” and the March 2008 renewal of the MOA. The adopted Regional Stormwater Management Program Goals, which guide the regional program, are:

- Manage stormwater quantity and quality to the maximum extent practicable (MEP).
 - Implement BMPs and retrofit flood control projects to provide water quality benefits.
 - Support site planning and plan review activities.
 - Manage pesticide, herbicide and fertilizer applications.
- Implement public information activities to increase citizen awareness and support for the program.
- Meet the following needs of citizens:
 - Address flooding and drainage problems.
 - Maintain the stormwater infrastructure.
 - Protect waterways.
 - Provide the appropriate funding for the program.
- Implement cost-effective and flexible program components.
- Satisfy VPDES stormwater permit requirements.
 - Enhance erosion and sedimentation control.
 - Manage illicit discharges, spill response, and remediation.

THE REGIONAL PROGRAM

The HRPDC Regional Stormwater Management Committee (RSMC) recommended during FY 1995-1996 that a formal regional program be established at the HRPDC. The program initially focused on activities that supported the permit compliance efforts of the six communities with Phase I VPDES Stormwater System Permits, technical assistance to the region’s non-permitted communities and regional education and training to support all of the communities.

In late 1999, the U.S. Environmental Protection Agency (EPA) promulgated the final Phase II Stormwater Permit Regulations. To facilitate review of the regulations, the HRPDC staff prepared a “Review and Summary of the Regulations.” That review summarized regulatory requirements, highlighted differences between the Phase I and Phase II regulations, and noted potential issues that needed to be considered by the Phase II localities. That report served as the basis for the region’s six Phase II localities moving forward in a cooperative fashion to address the Phase II Permit requirements.

Phase I Localities

The efforts of the Phase I localities this year have focused on developing input for Virginia's Phase II Watershed Implementation Plan and preparing for local program changes required by revisions of the Virginia Stormwater Management Regulations. Localities also urged Virginia and the EPA to remove Phase I MS4 individual Waste Load Allocations from the Bay TMDL.

Localities have continued to follow the Phase I MS4 permit renewal process in Virginia. The Department of Conservation and Recreation (DCR) has switched focus from reissuing the Fairfax County permit to reissuing the Arlington County permit. HRPDC staff has continued to work with the localities to obtain copies of the draft permit and review the draft with the RSMC. The Phase I localities have monitored and commented on the development of the Phase II MS4 General Permit since the proposed changes may eventually be proposed in the Phase I MS4 permits.

Phase II Localities

In addition to participating in Regional efforts related to the Chesapeake Bay TMDL and the revision of the Virginia Stormwater Management Regulations, the Phase II localities cooperate to evaluate proposed changes to the Phase II General Permit. The Phase II General Permit is scheduled to be reissued on July 1, 2013. HRPDC and local staff volunteered to serve on the State's Regional Advisory Panels for the Phase II General Permit, expansion of Nutrient Exchange, changes to Dam Safety requirements and the application of pesticides to surface waters. The representatives shared updates and concerns with the RSMC to develop regional comments on proposed regulatory changes. Activities in FY 2012 included regional training sessions on the Chesapeake Bay Program's VAST tool, the State's proposed e-permitting system, and requirements in the new Stormwater Regulations.

INFORMATION EXCHANGE

The cornerstone of the Regional Stormwater Management Committee's activities continues to be the exchange of information. This is accomplished through regular monthly meetings to address topics of regional importance, as well as crosscutting issues that affect local stormwater, planning, public works and public utilities staff. In addition, various agencies and organizations utilize this regional forum to engage and inform local governments, as well as to gather feedback.

Monthly Meetings

The sixteen communities are represented on the HRPDC Regional Stormwater Management Committee, which meets twice a month. These meetings provide an opportunity to exchange information about successful stormwater management techniques, program activities, utility structures and policies, and a myriad of related environmental issues. Cooperating agencies such as DCR, Department of Environmental Quality, Virginia Department of Transportation, Hampton Roads Sanitation District, and the US Navy regularly participate in one of the monthly meetings.

Increasingly, the region's localities are affected by and involved in the state's TMDL (Total Maximum Daily Load) Studies and Implementation Plan processes for the Chesapeake Bay and locally impaired waterbodies. Issues associated with these programs are also addressed during the monthly meetings. In FY12, the RSMC discussed and provided input to DEQ on the PCB TMDL for the Lower James and Elizabeth River and the bacteria TMDL for Hoffler Creek. From July 2011 to April 2012, HRPDC held monthly meetings of the Chesapeake Bay TMDL Steering Committee. The meetings discussed the State's request for local input for the Phase II WIP and provided guidance to localities on how to develop TMDL strategies.

During FY 2011-2012, representatives of the Regional Stormwater Management Committee assisted the HRPDC staff with developing its comprehensive work program. The HRPDC work program continues to include a strategic planning initiative, identified previously as a high priority activity by this group. The Committee continued the long-term effort to better integrate the various reporting requirements associated with the state's stormwater management programs and to explore institutional approaches to further enhance the region's environmental planning and management programs. In addition, this year the RSMC reviewed the EPA's guidance on Integrated Planning and had a discussion with HRSD about the potential application of this strategy in Hampton Roads.

State and Federal Agency Program Briefings

Representatives of state and federal agencies frequently brief the Committee on developing issues, regulatory guidance and technical programs. During the year, the Committee was briefed regularly by representatives of the Virginia Department of Conservation and Recreation (DCR) on state initiatives related to the Virginia Stormwater Management Regulations, by DEQ staff on the development of TMDLs for local waters and by DCR concerning the Chesapeake Bay Program TMDL efforts.

Watershed Roundtables

The Watershed Roundtable approach is Virginia's preferred approach to nonpoint source pollution management. HRPDC leads the Lower James River (Hampton Roads) Watershed Roundtable and participates in the York River Watershed Council, the Middle James River Roundtable, and the Albemarle-Chowan Roundtable. Members of the RSMC participate in the Hampton Roads Roundtables, along with representatives from other local government departments, regional and state agencies, Soil and Water Conservation Districts and private organizations.

PUBLIC EDUCATION

askHRgreen.org

To support development and operation of the stormwater education program, a Public Information and Education Subcommittee consisting of local stormwater education/public information staff was established in 1997. The Public Information and Education Subcommittee (HR STORM) was established during FY 1997-1998 and meets on a monthly basis. Program funding supported, in part, HRPDC staff members, who also coordinated the

region’s water conservation education program (HR WET), the regional litter control and recycling education program (HR CLEAN), and the regional wastewater (fats, oil and grease) educational program (HRFOG).

Beginning in FY2011, the HRPDC staff began to combine these separate programs into a single public awareness program and central resource for environmental education in Hampton Roads known as askHRgreen.org. In June 2011, the askHRgreen.org website launched. The website contains information on earth-friendly landscaping ideas and pointers for keeping local waterways clean, recycling tips, and simple steps to make local living easy on the environment. It also includes a blog written by a team of local experts who work in the region’s municipal utility and environmental divisions.

The Stormwater education subcommittee continues to meet on a monthly basis to discuss education priorities for stormwater. The activities conducted through the askHRgreen.org campaign for the year are summarized in the askHRgreen.org Annual Report for Fiscal Year 2012 annual report entitled.

TRAINING

Since 2004, the HRPDC staff has worked with the six Phase II communities to develop and conduct training programs for local government staff. Program topics are reviewed and prioritized annually by the Phase II Subcommittee. The next training is scheduled for Winter 2012 and will focus on lessons learned from audits in the region including general pollution prevention and good housekeeping at municipal facilities. HRPDC will also coordinate with DCR to host additional training linked to new local program requirements and certifications.

Topic	Last offered	Previous dates
Fleet Maintenance	Mar 2005	
Landscaping	Mar 2006	
IDDE	Oct 2009	Feb 2008, May 2007
General Pollution Prevention	Feb 2009	March 2004
Parks & Open Space Mgt.	March 2011	
LID Practices	June 2010	

LEGISLATIVE & REGULATORY MONITORING

This element of the program involves monitoring of state and federal legislative and regulatory activities that may impact local stormwater management programs. Based on this monitoring activity, the HRPDC staff develops briefing materials for use by the localities, including consideration by the governing bodies. As appropriate, the HRPDC staff in cooperation with the Committee develops consensus positions for consideration by the Commission and local governments. The level of effort devoted to this element has increased significantly over the

past five years. During 2011-2012, the regional emphasis was continued participation in the evolving regulatory stormwater program of the Department of Conservation and Recreation and the development of the Total Maximum Daily Load (TMDL) and Implementation Plans for the Chesapeake Bay Watershed.

Virginia Stormwater Regulations

Revisions to the Stormwater Regulations were approved by the Soil and Water Conservation Board in May 2011 and will be implemented by localities by July 1, 2014. In FY12, HRPDC and local government staff served on DCR's Stormwater Local Government Advisory Committee. The committee provided input to DCR on development of a model ordinance and other guidance documents. Other challenges include establishing an approval process for local programs and clarifying certification requirements.

The region is also currently represented on the DCR Stormwater BMP Clearinghouse Committee that was developed to review protocols for proprietary BMP pollutant removal efficiencies, and is a result of a similar regional effort explored by the HRPDC. Regional input is coordinated through the HRPDC Regional Stormwater Management Committee.

Chesapeake Bay TMDL and Virginia Phase II Implementation Plan

Because the water quality goals set forth in the Chesapeake 2000 Agreement were not met by 2010, the Environmental Protection Agency established a Total Maximum Daily Load for the Chesapeake Bay on December 29, 2010. The jurisdictions within the Bay watershed are expected to develop strategies to meet the nutrient and sediment load reductions outlined in the TMDL. In November 2010, Virginia submitted to EPA its Phase I Watershed Implementation Plan (WIP) that outlined the statewide strategies that would be implemented by each source sector. The Phase II WIP outlined the management actions that will be implemented by local governments. On December 15, 2011, Virginia submitted its draft Phase II WIP to EPA. Virginia submitted its final Phase II WIP to EPA on March 30, 2012.

In a November 9, 2011 letter to local governments, DCR director Mr. David Johnson identified Virginia's data needs from localities for the Phase II WIP and requested that the following information be submitted to DCR by February 1, 2012:

1. Develop a current BMP inventory.
2. Evaluate the land use/land cover information.
3. Review the 2017 and 2025 BMP scenarios as identified in the Phase I WIP and develop preferred local scenarios that provide a similar level of treatment.
4. Develop strategies to implement the preferred BMP scenarios.
5. Identify any resource needs to implement the strategies and BMP scenarios.

To address the State's request, the HRPDC endorsed the following process at its meeting on November 17, 2011:

- Localities will each submit an individual plan to DCR that focuses on narrative strategies and includes items 1, 2, 4, and 5 above.

- HRPDC staff will translate strategies into a report with two basin-level BMP scenarios of the cumulative local strategies to address item #3 above.

The “Hampton Roads Regional Planning Framework, Scenario, and Strategies” report covered item #3 and provided a regional summary of items 1, 2, 4, and 5. The HRPDC staff completed the report and the Commission approved it on January 19, 2012. Localities submitted the report to DCR as an appendix to local plans.

During the last three years, staff has closely followed the EPA’s development of the Chesapeake Bay TMDL. Staff also participated in Virginia’s efforts to create its Watershed Implementation Plan for the Chesapeake Bay through attending the Stakeholder Advisory Group meetings from August 2011 to March 2012. The charge of the Stakeholder Advisory Group was to provide guidance and recommendations to the Secretary of Natural Resources during the development of the Chesapeake Bay TMDL Phase II WIP. Specific issues addressed by the committee included:

- Provide recommendations on strategies to successfully engage local governments, planning district commissions, soil and water conservation districts, and other local and regional entities in the Phase II WIP process;
- Provide comments and recommendations on issues raised by local governments, planning district commissions, soil and water conservation districts, and other local and regional entities as they work toward identifying pollution reduction practices and strategies to be undertaken at the local level;
- Identify potential resources, including funding and staffing opportunities, to assist local governments and other local entities in implementing identified practices.

HRPDC has provided numerous comments on this process and continues to be actively involved in the implementation of the Chesapeake Bay TMDL.

REGIONAL STUDIES

Reducing Nutrients on Private Property: Evaluation of Programs, Practices and Incentives

The goal of this project was to investigate the feasibility, opportunities, and constraints of utilizing best management practices (BMPs) for nutrient reduction on existing urban/suburban residential and light commercial private property as a strategy to meet the Chesapeake Bay TMDL. The report included the following information:

- Examples of local government collaboration with grant-funded, community-based, and other voluntary stormwater management/stewardship projects in the Hampton Roads area;
- A sample of model programs and strategies to work within the locality’s authority and leverage existing tools to implement and maintain retrofits and BMPs on private property;

- A summary of existing programs by locality including the number of potential existing BMPs on private property and the grant money received for the projects; and
- A summary table of all stakeholders contacted and programs/program details reviewed during the project.

Section 2 of the report, Existing Model Programs, provides a number of model programs that localities can emulate or modify based on their own needs in order to increase the number of BMPs on private property. As a next step, HRPDC is coordinating with Wetlands Watch to hold a regional Strategic Summit to take a more intensive look at existing programs and opportunities for collaboration, coordination, and partnerships.

Redevelopment as a Nutrient Reduction Strategy

The Hampton Roads Planning District Commission received a grant in 2011 from the Virginia DEQ Coastal Zone Management Program to examine the role that redevelopment may have in helping to meet the nutrient reduction goals of the Chesapeake Bay TMDL. The study recommended that water quality treatment from redevelopment activities should be one of the strategies that localities use to help meet their Chesapeake Bay TMDL nutrient reduction goals. The following recommendations were identified to help localities plan for using redevelopment as a strategy:

1. Develop a definition of redevelopment for stormwater management site plan design review that is consistent with Virginia's Stormwater Management Regulations.
2. Use redevelopment planning as a catalyst to help provide water quality treatment in existing developed areas that don't currently have water quality controls.
3. Develop a process for tracking nutrient removal due to redevelopment activities so that progress towards the Chesapeake Bay TMDL requirements can be calculated.

Bacteria Source Tracking

The HRPDC is leading a regional effort to develop a bacterial identification methodology for the Hampton Roads Region. Proven genetic techniques are being used to differentiate bacteria sources, so that TMDL plans can be designed to address the cause of the bacterial impairment. During FY2012, researchers from Virginia Tech, University of South Florida, and University of North Carolina in coordination with locality staff and the Hampton Roads Sanitation District (HRSD) analyzed bacteria samples from three case study watersheds in Suffolk, York County, and Virginia Beach. A final Study report is expected in November 2012.

Stormwater Program Matrix

A comprehensive stormwater program matrix, including Phase I and Phase II communities, was developed in FY 2000 which addresses both utility and programmatic issues. HRPDC staff coordinates with local government stormwater program staff to update the information in the matrix annually.

TECHNICAL ASSISTANCE

The HRPDC continues to serve as a clearinghouse for technical assistance to the localities, as well as a point of contact in arranging short-term assistance from one locality to another. The HRPDC Committee process also provides a forum, allowing state regulatory agency staff to meet with the region's localities to discuss evolving stormwater management regulations. In addition, the HRPDC staff provides technical information and advice to all of the participating localities on a wide variety of issues upon request. The HRPDC is frequently requested by localities from other parts of Virginia for assistance due to its experience with stormwater management programs in Hampton Roads.

In FY2012, technical assistance to localities was focused on disseminating information related to the Chesapeake Bay TMDL and Virginia's Phase II Watershed Implementation Plan. Throughout 2010-2012, HRPDC staff briefed the Hampton Roads Planning District Commissioners on the Phase II WIP development process, and Commissioners approved actions that influenced the Phase II WIP development process. Meeting materials or correspondence for the HRPDC commission meetings and regional steering committee meetings can be reviewed on the HRPDC website (<http://www.hrpdcva.gov/>).

The Regional Chesapeake Bay TMDL Steering Committee was convened in July 2011 as an advisory committee to HRPDC to involve regional stakeholders in the Phase II WIP development process. Building from the Tributary Strategies Project Steering Committee in the mid-1990s, the HRPDC invited agencies and organizations contributing to and benefiting from nutrient reductions to join locality representatives in participating on the Regional Steering Committee. Suggestions from the Steering Committee were brought to the HRPDC for approval. The Commissioner's actions from the previous month were reviewed at each Regional Steering Committee Meeting. A summary of each meeting is included in the "Hampton Roads Regional Planning Framework, Scenario, and Strategies" report.

MEMORANDUM OF AGREEMENT

The Regional Stormwater Management Program was established in 1996 as a formal program of the Hampton Roads Planning District Commission with support and participation from the sixteen member local governments. Due to increasing dependence upon the HRPDC to fulfill various permit requirements for both Phase I and Phase II localities, the HRPDC staff and RSMC developed a Memorandum of Agreement (MOA), formalizing the existing regional program, while providing a structure for future program evolution and regional cooperation. The MOA outlines the basic regulatory and programmatic premises for the cooperative program, incorporating the Regional Program Goals, outlined earlier in this report. It establishes a division of program responsibilities among the HRPDC and the participating localities and establishes the role and responsibilities of the Regional Stormwater Management Committee. It formalizes the traditional method of allocating program costs, addresses questions of legal liability for program implementation and includes other general provisions. The MOA is reauthorized by the signatories every five years. It was last executed in March 2008.

PERMIT ADMINISTRATION AND REPORTING SYSTEM (PARS)

In an effort to streamline reporting and capture data more effectively for local governments, the twelve permitted localities have pooled resources to develop the Permit Administration and Reporting System, or PARS. Based on local needs and anticipated Phase I permit requirements, as well as changes in the state stormwater management regulations, the region contracted with URS Corporation to develop a web-based data tracking and reporting system. The first modules of the system are already being utilized by local governments to catalog development sites and their associated best management practices (BMPs). The system also enables localities to capture inspection information, as well as collecting documentation for future inspections or enforcement actions. In addition, localities can use the site to catalog stormwater outfalls, document illicit discharge investigations and record public education information. Users can then query a variety of reports to satisfy the reporting requirements of their stormwater permits. In FY12, the RSMC reviewed the potential for PARS to track and report the implementation of Chesapeake Bay TMDL strategies. The Chesapeake Bay Program and DCR continue to refine the data reporting requirements for BMPs so the evaluation of PARS will continue in FY13.

RELATED PROGRAMS AND PROJECTS

In various combinations, the twelve (12) MS4 communities, as well as their non-permitted counterpart communities, in Hampton Roads participate in a wide variety of related programs. These programs are noted here because of their relationship with stormwater management.

Chesapeake Bay Program

Over the past several years, the Hampton Roads Region has devoted considerable attention to the ongoing Chesapeake Bay Program (CBP). To facilitate local government participation in Chesapeake Bay Program activities, HRPDC staff and RSMC members have participated in the deliberations of many CBP Committees and Work Groups dealing with urban stormwater, land development, watershed planning, land use development, modeling and local government's role in the Bay Program. Since the development of the Chesapeake Bay TMDL in December 2010, the HRPDC and the RSMC have continued to follow the activities of the CBP primarily through participation in the Urban Stormwater Workgroup. In FY 2012, local government stormwater staff volunteered to serve on the BMP Retrofit panel and IDDE panel that develop Bay Program efficiencies for new stormwater best management practices.

Chesapeake Bay Preservation Act Program

Fourteen of the sixteen member localities, including the six cities with Phase I MS4 Permits and the six localities with Phase II MS4 Permits, continue to implement programs in response to the Virginia Chesapeake Bay Preservation Act. Stormwater management is one component of those programs. Although the CBPA is not formally part of the multi-state Chesapeake Bay Program, described above, it serves as one element of local government implementation actions to comply with their MS4 Permits and to meet the goals of the Bay Program.

Water Supply Planning

Beginning with the drought of 2002, the Department of Environmental Quality embarked on an intensive effort to develop regulations governing water supply planning and permitting. This effort was directed by legislation enacted by the Virginia General Assembly in 2003. With a small grant from DEQ, the HRPDC staff and Utilities Committee developed a framework for accomplishing development of a regional water supply and educational materials on the state planning requirements. In 2011, HRPDC completed the Hampton Roads Regional Water Supply Plan. The plan addresses the requirements of the state planning process for all local governments in the region.

Water Quality Management Planning

Under the Clean Water Act, state legislation, water quality management planning regulations and a consent order involving the Commonwealth of Virginia and the federal government, the state is proceeding with development of a substantial number of TMDL (Total Maximum Daily Load) Studies and subsequent development of TMDL Implementation Plans. This work follows from the classification of the waters by the state as meeting or failing to meet water quality standards. Water bodies that fail to meet water quality standards are classified as “impaired,” triggering the requirement to prepare the TMDL study. Once a TMDL Study is completed, state law requires the development of an Implementation Plan, which will restore water quality in the water body to a level that meets water quality standards.

The HRPDC staff has coordinated regional involvement in the “impaired waters” listing process. This has entailed providing opportunities through the Joint Environmental Committee for education of local government staff on the TMDL process, development of technical comments on the “impaired waters” list and response to the development of TMDLs themselves.

The HRPDC staff is currently working with the region’s localities in participating in TMDL studies. This year the RSMC has provided input on the PCB TMDL for the Lower James and Elizabeth River and implementation plan for the bacteria TMDL for Hoffler Creek. To assist the region’s localities in addressing this requirement and ensuring that Implementation Plans are feasible, the HRPDC staff is working with DEQ to devise a cooperative regional partnership to coordinate the TMDL study process with the localities and to develop the required Implementation Plans.

Sanitary Sewer Overflows

In late 2004, the HRPDC staff began implementing an electronic reporting and record keeping system known as the Sanitary Sewer Overflow Reporting System (SSORS). HRPDC staff has provided informational briefings and presentations on this system to a variety of agencies across the state. SSORS enables localities to communicate information about sanitary sewer overflows across departmental lines, allowing for easier reporting. SSORS was the basis for the creation of PARS.

Work continues under the Regional Special Order by Consent with DEQ, thirteen local governments, HRSD and HRPDC. The Order established the framework for sewer system evaluation, flow monitoring, determination of allowable levels of infiltration/inflow, system

modeling, and the appropriate balance between system and treatment capacity and collection systems.

As a part of this effort, the regional fats, oils and grease abatement program (HR FOG) was invigorated. A variety of materials for restaurants and residents has been developed to inform the public of proper FOG disposal methods. This is relevant to the stormwater program because of the potential for illicit discharges into the stormwater system.

CONCLUSION

Through the Hampton Roads Planning District Commission, the sixteen localities of Hampton Roads have established a comprehensive Regional Stormwater Management Program. This program provides technical assistance, coordination, comprehensive technical studies and policy analyses and stormwater education, supporting both permitted and non-permitted localities alike. The Regional Stormwater Management Program enables the region's localities to participate actively and effectively in state and federal regulatory matters. It has enhanced the ability of the twelve localities with VPDES Permits for their Municipal Separate Storm Sewer Systems to comply with permit requirements. Their long history of participating in the Regional Stormwater Management Program enhanced the efforts of the localities that obtained Phase II MS4 Permits in 2003 to move forward cooperatively with permit applications and program development. In fact, their participation in the regional program over the past decade led to the establishment of the cooperative Phase II Permit component of the regional program.

Since the HRPDC staff also coordinates a number of other regional environmental initiatives, the program allows for effective coordination and regional balancing of the various activities. On several occasions over the last several years, the HRPDC formally endorsed recommendations developed through this coordinated initiative on state water quality and technology standards, funding guidelines, implementation strategies, as well as on state legislation addressing funding needs for water quality improvement programs.

The Regional Stormwater Management Program provides a mechanism through which the strengths of the sixteen local stormwater programs can be mutually supportive. It allows for cost-effective compliance with permit requirements, resolution of citizen concerns with stormwater drainage and water quality matters, and achievement of improved environmental quality throughout the Hampton Roads Region.

Item Three of the Registration Statement - 2008

Names of the receiving waters into which the small MS4 discharges

<u>HUC</u>	<u>Body of Water</u>
YO65	Skimino Creek
YO66	Carter Creek
YO67	Queens Creek
YO68	King Creek
YO69	York River
JL 28	Chickahominy River – Yarmouth Creek
JL 31	Powhatan Creek
JL34	College Creek
JL35	James River – Skiffes Creek
JL38	Warwick River
CB22	NW Branch/Back River (Brick Kiln Creek)
CB21	Lower Chesapeake/Poquoson River

Impaired Waters – Approved

- CB22 NW Branch/Back River (Brick Kiln Creek) (enterococci, and Fecal Coliform)
- CB21 Lower Chesapeake/Poquoson River (enterococci, and Fecal Coliform)

Impaired Waters – Proposed

- YO67 Queens Creek
- YO68 King Creek – Felgates Creek
- JL38 Warwick River- Baptist Run

York County WLA's as of July 9, 2008*

HUC Code	Waterbody	Allocation	Pollutant	Unit
JL38	Baptist Run	8.79E+06	E coli	cfu/day
JL38	Warwick and James	1.75E+07	fecal coliform	cfu/day
JL35	James River -Opposite Ft. Eustis & Skiffes Crk.	1.95E+07	fecal coliform	cfu/day
YO67	Queen Creek	5.72E+11	fecal coliform	MPN/day
YO68	King Creek	4.37E+10	fecal coliform	MPN/day
YO68	Felgates Creek	3.70E+10	fecal coliform	MPN/day
	*Does not include WLA's for waters within the Back and Poquoson River watersheds. The WLA for these Watersheds are attached separately but are not separated by locality			

These waste loads are not part of this permit at this time. The TMDL's were not approved prior to the issuance of this permit.

Trib Subbasin	County	WLA	Parameter	%IMP
Poquoson TMDL				
Chisman Creek	York	3.71E+10	Fecal	
UC Patricks Creek	York	5.75E+07	Fecal	
Patricks Creek	York	2.13E+09	Fecal	
Poquoson River	Newport News	9.11E+09	Fecal	8
	York	5.69E+09		5
Lambs Creek	Poquoson	2.51E+09	Fecal	5
	York	1.00E+09		2
Roberts Creek	Poquoson	1.73E+09	Fecal	
Whitehouse Creek	Poquoson	8.54E+09	Fecal	
Back Creek	York	2.26E+10	Fecal	
Upper Poquoson River	York	4.17E+11	Enterococci	
Back River TMDL				
	York	3.93E+08	Fecal	2
Topping Creek	Poquoson	1.18E+09		6
Cedar Creek	Poquoson	7.20E+08	Fecal	6
	York	2.40E+08		2
NW Back River	Poquoson	1.45E+09	Fecal	6
	York	2.18E+09		9
	Newport News	5.81E+09		24
	Hampton	2.66E+09		11
Tabbs Creek	Hampton	4.85E+09	Fecal	
SW Back River	Newport News	1.86E+11	Fecal	33
	Hampton	1.64E+11		29
Inlet 1	Hampton	8.89E+08	Fecal	
Harris River	Hampton	3.44E+10	Fecal	
Inlet 2	Hampton	3.49E+08	Fecal	
Wallace Creek	Hampton	2.42E+09	Fecal	
Front Cove	Poquoson	1.76E+09	Fecal	
Long & Grunland Creeks	Hampton	8.06E+09	Fecal	
Brick Kiln Creek & NW Back R	Hampton	7.39E+10	Enterococci	11
	Poquoson	4.03E+10		6
	Newport News	1.61E+11		24
	York	6.05E+10		9
New Market Creek 1 & 2 & SW Back River	Hampton	5.67E+10	Enterococci	

Areas in teal are the WLA that were split

Land Cover Data used = NLCD 2001

% Impervious used to split WLA per City

Simple Method Calculation of Pollutant Loads

Precipitation	(in)	Bacteria Concentration	colonies/100ml	Acres of Landuse	3,281.90
Winter (October - March)	20.5	Winter	1000	Impervious Fraction	0.19
Summer (April - September)	24.25	Summer	21000	Runoff Coeficient	0.22
Annual	44.75				

Annual Runoff	(in)	Annual Load	Billions of Colonies
Winter	4.09	Winter	13815
Summer	4.83	Summer	343183
Annual	8.92	Total	356998

Volume of SW Discharge	acre-ft	Daily Load	Fecal Coliform
Annual	2439.883	Average	9.78E+11
$R=(P)(Pj)(Rv/12)(A)$			

These Numbers are based on assumptions of average rainfall and bacteria concentrations based on winter and summer
 There is no credit for SWMFs in the watersheds.
 Better methods may be developed in the future to obtain more accurate results.

Simple Method Calculation of Pollutant Loads

Precipitation	(in)	Bacteria Concentration	colonies/100ml	Acres of Landuse	17,247.05
Winter (October - March)	20.5	Winter	1000	Impervious Fraction	0.09
Summer (April - September)	24.25	Summer	21000	Runoff Coeficient	0.13
Annual	44.75				

Annual Runoff	(in)	Annual Load	Billions of Colonies
Winter	2.41	Winter	42888
Summer	2.86	Summer	1065411
Annual	5.27	Total	1108300

Volume of SW Discharge	acre-ft	Daily Load	Fecal Coliform
Annual	7574.621	Average	3.04E+12
$R=(P)(Pj)(Rv/12)(A)$			

These Numbers are based on assumptions of average rainfall and bacteria concentrations based on winter and summer. There is no credit for SWMFs in the watersheds. Better methods may be developed in the future to obtain more accurate results.

SEPTIC TANK PUMP-OUTS/INSPECTIONS REPORTED FY2012

<u>APNO</u>	<u>STNO</u>	<u>STSUB</u>	<u>STNAME</u>	<u>SUFFIX</u>	<u>ISSDTM</u>	<u>COMPDTM</u>	<u>COMMENTS</u>
200000179	101		NATIONAL	LN	02/05/2010	08/22/2011	SEPTIC TANK PUMPED 8/11/11.
200000207	111		HOLCOMB	DR	11/18/2011	06/12/2012	tank pumped 5/18/12 per woods list
200000220	140		WEST QUEENS	DR	08/02/2011	08/02/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 7/21/11.
200000238	164		DENNIS	DR	10/05/2011	10/04/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 9/13/11.
200000240	102		SAXON	RD	03/23/2012	03/16/2012	pumped 3/11/12 per zeiglers recpt
200000246	151		WEST QUEENS	DR	01/09/2012	01/09/2012	pumped 12/29/11/per woods list
200000308	261		KINGS	CT	07/24/2012	06/08/2012	
200000321	107		WILL SCARLET	LN	02/01/2012	01/26/2012	
200000367	283		EAST QUEENS	DR	03/08/2012	03/08/2012	pumped 2/14/12 per zeiglers list
200000417	108		NATIONAL	LN	05/24/2012	05/24/2012	pumped 4/6/12 per woods list
200000421	110		NATIONAL	LN	06/14/2012	03/30/2012	pumped per virgining pump & hauls list
200000426	113		NATIONAL	LN	06/14/2012	04/03/2012	pumped 3/1/12 per Parsleys list
200000430	116		NATIONAL	LN	05/24/2012	05/14/2012	pumped 4/6/12 per woods list
200000433	122		NATIONAL	LN	05/01/2012	03/31/2012	pumped 3/31/12 per woods list
200000446	128		BOWSTRING	DR	11/18/2011	01/04/2012	pumped by atlantic sys 12/30/11
200000538	292		EAST QUEENS	DR	06/14/2012	04/06/2012	pumped 3/2/12 per Virginia Pump & Haul list
200000562	224		WEST QUEENS	DR	08/11/2011	08/08/2011	PER VIRGINIA PUMP & MOTOR LIST, SEPTIC TANK PUMPED 7/19/11
200000567	122		HOLCOMB	DR	11/18/2011	01/05/2012	pumped per woods rept 1/3/2012
200000570	106		OLD GLORY	CT	02/05/2010	10/07/2011	SEPTIC TANK PUMPED 10/5/11.
200000583	167		DENNIS	DR	12/20/2011	12/16/2011	SEPTIC TANK PUMPED 12/15/11.

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200000588	178		DENNIS	DR	03/07/2012	03/07/2012	pumped 2/22/12 per virginia pump and motor co list
200000588	178		DENNIS	DR	02/08/2012	02/08/2012	pumped 1/3/2012 per virginia pump & Haul list
200000619	204		WEST QUEENS	DR	11/18/2011	11/21/2011	SEPTIC TANK PUMPED 9/15/11.
200000664	257		EAST QUEENS	DR	02/08/2012	01/31/2012	
200000682	231		WEST QUEENS	DR	11/18/2011	01/31/2012	pumped 1/27/12 per woods spetic recpt
200100088	512		LIGHTFOOT	RD	09/08/2011	09/07/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 8/12/11.
200100089	6320		OLD MOORETOWN	RD	11/18/2011	11/23/2011	CONNECTED TO SEWER 6/8/09. CLOSE OUT SEPTIC APPLICATION.
200100090	6308		OLD MOORETOWN	RD	12/05/2011	12/05/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 11/23/11.
200100091	6294		OLD MOORETOWN	RD	11/18/2011	12/23/2011	SEPTIC TANK PUMPED 4/10/09.
200100092	6292	A	OLD MOORETOWN	RD	11/18/2011	03/02/2012	pumped 2/28/12 per parsleys list
200100100	5005		ROCHAMBEAU	DR	01/04/2012	01/03/2012	pumped 12/16/11 parsleys list
200100104	5001		ROCHAMBEAU	DR	11/18/2011	12/09/2011	SEPTIC TANK PUMPED 5/14/08.
200100115	453		FENTON MILL	RD	11/18/2011	12/08/2011	SEPTIC TANK PUMPED 12/7/11.
200100117	202		PRINCESS	LN	11/18/2011	12/02/2011	SEPTIC TANK PUMPED 3/1/08.
200100119	439		FENTON MILL	RD	06/25/2012	04/05/2012	pumped 3/23/12 per parsleys list
200100123	413		FENTON MILL	RD	11/18/2011	12/20/2011	SEPTIC TANK PUMPED 12/6/11.
200100124	417		FENTON MILL	RD	11/18/2011	02/01/2012	pumped by parsleys septic tanks 1/23/12012 per recpt
200100133	320		EWELL	RD	11/18/2011	02/15/2012	pumped 2/15/12 per recpt atlantic systems
200100135	5476		MOORETOWN	RD	10/05/2011	10/04/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 9/22/11.
200100136	315		EWELL	RD	11/18/2011	12/22/2011	CLOSE OUT PER MELINDA. ON SEWER - PRIVATE GRINDER.
200100138	6086		MOORETOWN	RD	11/18/2011	12/28/2011	SEPTIC TANK PUMPED 12/26/11.

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200100147	116		GREG	LN	11/18/2011	01/27/2012	pumped 1/19/12 per Parseleys recpt
200100150	6054		MOORETOWN	RD	11/18/2011	01/06/2012	rec a copy of JAmes City County HRSD bill. They are connected to JCC sewer. MD
200100153	6060		MOORETOWN	RD	11/18/2011	02/28/2012	pumped 2/23/12 per atlantic sys recpt
200100154	6062		MOORETOWN	RD	11/18/2011	02/24/2012	pumped 2/23/12 per atlantic sys recpt
200100158	6080		MOORETOWN	RD	11/18/2011	12/28/2011	SEPTIC TANK PUMPED 12/26/11.
200100161	5800		MOORETOWN	RD	11/18/2011	01/06/2012	they are connected to JCC sewer. Owners sent in copy of HRSD bill. Closing out septic application. MD
200100168	319		OAKTREE	RD	02/05/2010	09/08/2011	SEPTIC TANK PUMPED 8/24/11.
200100171	377		FENTON MILL	RD	11/18/2011	01/31/2012	pumped 1/27/12 per atlantic sys recpt
200100173	100		QUAKER MTNG HOUSE	RD	07/07/2011	07/05/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 6/21/11
200100178	102		QUAKER MTNG HOUSE	RD	11/18/2011	04/09/2012	inspected 4/6/2012 per Parsleys recpt
200100180	100		PENN	DR	11/18/2011	12/19/2011	SEPTIC TANK PUMPED 12/16/11.
200100181	107		QUAKER MTNG HOUSE	RD	11/18/2011	04/03/2012	tank inspected per Parsley receipt 3/8/12
200100185	109		QUAKER MTNG HOUSE	RD	11/18/2011	12/15/2011	SEPTIC TANK INSPECTED 12/6/11.
200100197	125		CHERWELL	CT	11/18/2011	11/21/2011	SEPTIC TANK PUMPED 1/17/11.
200100202	171		LONDONDERRY	LN	11/18/2011	02/13/2012	pumped by woods 12/8/2011 per recpt
200100203	247		KINGSGATE	RD	11/18/2011	02/01/2012	pumped 1/19/12 per Parsleys Septic Tanks recpt
200100205	238		KINGSGATE	RD	11/18/2011	12/08/2011	SEPTIC TANK PUMPED 12/1/11.
200100207	120		PENN	DR	11/18/2011	02/06/2012	inspected tank 2/3/12 per Atlantic Sys
200100208	140		QUAKER MTNG HOUSE	RD	11/18/2011	02/09/2012	pumped 2/3/12 per atlantic sys recpt
200100209	144		QUAKER MTNG HOUSE	RD	11/18/2011	12/08/2011	SEPTIC TANK PUMPED 12/7/11.

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200100216	226		CHERWELL	CT	11/18/2011	01/03/2012	pumped 12/29/11 per parsleys list
200100218	444		FENTON MILL	RD	11/18/2011	02/06/2012	pumped 2/1/12 per parsleys recpt
200100220	422		FENTON MILL	RD	11/18/2011	12/20/2011	SEPTIC TANK PUMPED 12/14/11.
200100222	408		FENTON MILL	RD	11/18/2011	01/19/2012	pumped per recpt jerrys septic tank service 9/20/10
200100227	123		ANNS	CT	11/18/2011	12/03/2011	SEPTIC TANK PUMPED 5/11/10.
200100231	112	B	PENN	DR	11/18/2011	11/22/2011	SEPTIC TANK PUMPED 4/6/10.
200100232	108		PENN	DR	11/18/2011	01/10/2012	pumped 1/5/12 atlantic systems Recpt
200100235	103		PENN	DR	11/18/2011	01/24/2012	Per recpt Virginia Pump & Haul pumped 1/24/12
200100238	108		QUAKER MTNG HOUSE	RD	11/18/2011	12/27/2011	SEPTIC TANK PUMPED 12/16/11.
200100239	107		PENN	DR	11/18/2011	12/28/2011	SEPTIC TANK PUMPED 12/15/11.
200100242	109		PENN	DR	11/18/2011	01/26/2012	pumped 1/25/12 Jerrys septic tank service recpt
200100243	110		QUAKER MTNG HOUSE	RD	11/18/2011	02/21/2012	pumped 2/9/12 per recpt for atlantic sys
200100245	112		QUAKER MTNG HOUSE	RD	03/07/2012	03/02/2012	per parselys list pumped 2/8/2012
200100246	111		PENN	DR	11/18/2011	01/03/2012	pumped 12/7/11 per parsleys list
200100248	114		QUAKER MTNG HOUSE	RD	11/18/2011	02/07/2012	pumped 2/6/12 per parsleys recpt
200100249	113		PENN	DR	11/18/2011	01/06/2012	pumped 12/30/11 per list Virginia Pump & Motor Co
200100250	116		QUAKER MTNG HOUSE	RD	11/02/2011	11/02/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 10/7/11.
200100251	115		PENN	DR	11/18/2011	12/16/2011	SEPTIC TANK PUMPED 12/15/11.
200100257	120		QUAKER MTNG HOUSE	RD	10/05/2011	10/04/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 9/19/11.
200100258	123		PENN	DR	11/18/2011	12/14/2011	SEPTIC TANK PUMPED 12/16/11.
200100263	134		QUAKER MTNG HOUSE	RD	11/18/2011	02/21/2012	pumped 2/9/12 peratlantic sys recpt

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200100265	132		QUAKER MTNG HOUSE	RD	11/18/2011	11/22/2011	SEPTIC TANK PUMPED 6/2/10.
200100274	139		QUAKER MTNG HOUSE	RD	11/18/2011	01/17/2012	pumped per parsleys rept 1/6/12
200100275	137		QUAKER MTNG HOUSE	RD	11/18/2011	12/09/2011	SEPTIC TANK PUMPED 9/8/11.
200100280	215		CHERWELL	CT	11/18/2011	01/03/2012	SEPTIC TANK PUMPED 12/21/11.
200100283	211		CHERWELL	CT	11/18/2011	12/08/2011	SEPTIC TANK PUMPED 12/2/11.
200100285	201		CHERWELL	CT	11/18/2011	12/21/2011	SEPTIC TANK PUMPED 12/16/11.
200100289	103		TUDOR	DR	11/18/2011	02/10/2012	pumped 2/10/12 per parsleys recpt
200100292	207		CHERWELL	CT	12/12/2011	12/06/2011	PER ZIEGLER'S LIST, SEPTIC TANK PUMPED 11/7/11.
200100295	131		CHERWELL	CT	11/18/2011	11/29/2011	SEPTIC TANK PUMPED 11/11/11.
200100297	129		CHERWELL	CT	11/18/2011	02/24/2012	pumped 2/23/12 per atlantic sys recpt
200100301	123		WESTMINSTER	PL	11/18/2011	12/12/2011	SEPTIC TANK PUMPED 12/9/11.
200100304	143		DEVONSHIRE	DR	11/18/2011	11/22/2011	SEPTIC TANK PUMPED 8/17/10.
200100309	103		OLIVERS	WAY	11/18/2011	01/03/2012	SEPTIC TANK PUMPED 12/29/11.
200100314	124		CHERWELL	CT	11/18/2011	12/02/2011	SEPTIC TANK PUMPED 10/5/10.
200100315	138		DEVONSHIRE	DR	02/05/2010	09/29/2011	SEPTIC TANK INSPECTED 9/25/11.
200100316	105		OLIVERS	WAY	11/18/2011	01/17/2012	pumped per recpt blakes septic service 1/9/12
200100322	107		WESTMINSTER	PL	11/18/2011	11/22/2011	SEPTIC TANK PUMPED 11/30/07
200100323	136		DEVONSHIRE	DR	11/18/2011	01/30/2012	pumped per zieglers septic recpt 1/27/12
200100327	103		PLANTATION	DR	11/18/2011	01/09/2012	pumped 7/31/09 per recpt Virginia Pump & Haul
200100329	107		PLANTATION	DR	11/18/2011	11/28/2011	SEPTIC TANK PUMPED 1/8/09.
200100330	109		PLANTATION	DR	11/18/2011	11/30/2011	SEPTIC TANK PUMPED 1/9/09.

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200100332	111		PLANTATION	DR	11/18/2011	02/08/2012	pumped 1/24/12 per atlantic systems recpt
200100333	113		PLANTATION	DR	10/05/2011	10/04/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 9/30/11.
200100341	400		WALLER MILL	RD	02/05/2010	06/27/2012	old house demo'd building new house with new septic tank
200100345	104		PLANTATION	DR	11/18/2011	01/03/2012	Pumped 12/29/2011
200100348	416		WALLER MILL	RD	11/18/2011	12/08/2011	SEPTIC TANK PUMPED 12/7/11.
200100353	507		WALLER MILL	RD	11/18/2011	12/05/2011	SEPTIC TANK PUMPED 12/1/11.
200100354	404		AIRPORT	RD	10/05/2011	10/04/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 9/22/11.
200100355	426		AIRPORT	RD	10/05/2011	10/04/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 9/29/11.
200100356	425		AIRPORT	RD	02/05/2010	09/07/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 8/25/11.
200100361	343		WILKINSON	DR	11/18/2011	12/08/2011	SEPTIC TANK PUMPED 12/1/11.
200100362	409		WILKINSON	DR	11/18/2011	01/03/2012	pumped 12/9/11 per parsleys list
200100365	410		WILKINSON	DR	11/18/2011	01/31/2012	pumped 1/27/12 per parsleys recpt
200100366	401		WILKINSON	DR	11/18/2011	12/09/2011	SEPTIC TANK PUMPED 12/7/11.
200100367	408		WILKINSON	DR	02/01/2012	02/01/2012	pumped per parsleys septic tanks recpt 1/27/2012
200100368	419		HUDSON	DR	11/02/2011	11/02/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 10/21/11.
200100372	415		HUDSON	DR	11/18/2011	12/19/2011	SEPTIC TANK PUMPED 12/5/11.
200100379	204		SCHENCK	DR	11/18/2011	01/09/2012	pumped 1/5/12 Parsleys recpt.
200100383	406		HUDSON	DR	11/18/2011	01/04/2012	pumped 12/30/11 hogge septic co
200100385	334		WILKINSON	DR	11/18/2011	12/05/2011	SEPTIC TANK PUMPED 12/1/11.
200100386	334	A	WILKINSON	DR	11/18/2011	02/02/2012	pumped 1/31/12 per virginia pump & haul recpt
200100389	389		EAST ROCHAMBEAU	DR	11/18/2011	12/08/2011	SEPTIC TANK PUMPED 12/7/11.

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200100391	323		WILKINSON	DR	11/18/2011	12/14/2011	SEPTIC TANK PUMPED 12/9/11.
200100392	106		SCHENCK	DR	11/18/2011	01/10/2012	pumped 1/6/12 per atlantic systems recpt
200100403	324		WILKINSON	DR	11/18/2011	12/12/2011	SEPTIC TANK PUMPED 12/9/11.
200100406	309		WILKINSON	DR	11/18/2011	01/06/2012	pumped 1/5/12 parsleys recpt.
200100411	310		WILKINSON	DR	11/18/2011	02/01/2012	pumped per parsleys septic tanks recpt 1/23/12
200100418	117		BARLOW	RD	11/18/2011	02/17/2012	pumped per atlantic sys recpt 2/15/12
200100420	127		BARLOW	RD	11/18/2011	01/16/2012	pumped 1/16/12 per parsleys rept
200100423	104		TOM THOMAS	RD	11/18/2011	02/16/2012	pumped 2/15/12 per jerrys septic recpt
200100424	102		TOM THOMAS	RD	11/18/2011	02/16/2012	pumped 2/13/12 per atlantic sys recpt
200100426	307		WILKINSON	DR	03/07/2012	03/07/2012	per parsely list pumped 2/22/12
200100431	217		BARLOW	RD	06/13/2012	04/09/2012	pu,ped 3/1/12 per zeiglers list
200100437	205		OAKTREE	RD	11/18/2011	01/12/2012	E rochambeau project
200100447	111		OAKTREE	RD	11/18/2011	01/12/2012	E ROCHAMBEAU PROJECT
200100456	397		EAST ROCHAMBEAU	DR	11/18/2011	02/01/2012	pumped 1/20/12 by Parselys per recpt
200100461	108		ROY	LN	11/18/2011	12/05/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 11/28/11.
200100463	101		ROY	LN	11/18/2011	04/11/2012	Pumped April 9, 2012 per parsely recpt
200100466	101	A	ROY	LN	11/18/2011	04/11/2012	pumped 4/9/12 per Parsleys recpt
200100467	123		FENTON MILL	RD	11/18/2011	04/18/2012	pumped 4/9/12 per parsleys receipt
200100472	102		FENTON MILL	RD	11/18/2011	11/29/2011	SEPTIC TANK PUMPED 11/23/11.
200100475	141		BARLOW	RD	07/07/2011	07/05/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 6/22/11.
200100478	147		BARLOW	RD	11/18/2011	03/07/2012	Tank inspected 3/5/12 by Hogge Septic per recpt

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200100485	116		CHERWELL	CT	11/18/2011	11/29/2011	SEPTIC TANK PUMPED 11/22/11.
200100487	150		LONDONDERRY	LN	11/18/2011	04/03/2012	pumped 3/19/2012 per parsleys recpt
200100489	142		LONDONDERRY	LN	11/18/2011	11/22/2011	SEPTIC TANK PUMPED 10/9/07.
200100492	132		LONDONDERRY	LN	11/18/2011	01/23/2012	pumped 1/13/12 per Atlantic Systems recpt
200100493	143		LONDONDERRY	LN	11/18/2011	12/02/2011	SEPTIC TANK PUMPED 8/30/11.
200100501	129		LONDONDERRY	LN	11/18/2011	01/23/2012	pumped 1/11/12 per atlantic sys recpt
200100504	324		BARLOW	RD	11/18/2011	12/14/2011	SEPTIC TANK PUMPED 6/15/10.
200100507	310		BARLOW	RD	12/05/2011	12/05/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 11/19/11.
200100507	310		BARLOW	RD	10/05/2011	10/04/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 9/13/11.
200100508	308		BARLOW	RD	11/18/2011	12/02/2011	SEPTIC TANK PUMPED 11/29/11.
200100513	133		SKIMINO	RD	11/18/2011	01/31/2012	pumped 1/25/12 per atlantic sys recpt
200100514	295		BARLOW	RD	11/18/2011	02/02/2012	pumped 6/17/08 per atlantic sys recpt
200100516	306		BARLOW	RD	11/18/2011	12/19/2011	SEPTIC TANK PUMPED 12/5/11.
200100518	297		BARLOW	RD	06/13/2012	04/09/2012	pumped 3/1/12 per zeiglers list
200100527	281		BARLOW	RD	03/08/2012	03/06/2012	pumped 2/3/12 per zeiglers list
200100528	272		BARLOW	RD	11/18/2011	01/03/2012	SEPTIC TANK PUMPED 12/30/11.
200100529	268		BARLOW	RD	11/18/2011	11/23/2011	SEPTIC TANK PUMPED 11/23/11.
200100534	129		SKIMINO	RD	11/18/2011	11/23/2011	SEPTIC TANK PUMPED 11/23/11.
200100539	118		WESTMINSTER	PL	11/18/2011	12/16/2011	SEPTIC TANK PUMPED 10/10/11.
200100541	133		DEVONSHIRE	DR	11/18/2011	12/13/2011	SEPTIC TANK PUMPED 6/20/11.
200100544	116		WESTMINSTER	PL	11/18/2011	12/16/2011	SEPTIC TANK PUMPED 12/15/11.
200100551	122		DEVONSHIRE	DR	11/18/2011	12/15/2011	SEPTIC TANK PUMPED 12/13/11.

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200100552	123		DEVONSHIRE	DR	11/18/2011	12/20/2011	SEPTIC TANK PUMPED 12/16/11.
200100554	130		LONDONDERRY	LN	11/18/2011	01/18/2012	pumped per recpt atlantic sys 1/13/12
200100555	116		DEVONSHIRE	DR	08/02/2011	08/02/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 7/11/11.
200100556	106		LONDONDERRY	LN	11/18/2011	02/08/2012	inspected 2/6/12 by atlantic systems
200100557	105		LONDONDERRY	LN	11/18/2011	11/23/2011	SEPTIC TANK PUMPED 10/9/09.
200100563	116		LONDONDERRY	LN	11/18/2011	01/26/2012	pumped 1/20/12 per advanced septic & sewer sys
200100564	107		DEVONSHIRE	DR	11/18/2011	11/22/2011	SEPTIC TANK PUMPED 7/23/07
200100564	107		DEVONSHIRE	DR	06/25/2012	04/05/2012	pumped per parsleys list 3/29/12
200100565	103		DEVONSHIRE	DR	11/18/2011	01/09/2012	pumped per atlantic sys rept. 1/12/12
200100569	121		LONDONDERRY	LN	11/18/2011	01/12/2012	pumped by woods 1/12/12 per rept emailed
200100572	100		TOM THOMAS	RD	11/18/2011	12/06/2011	pumped 11/29/11 per Hogge Septic receipt
200100581	192		BARLOW	RD	11/18/2011	12/27/2011	SEPTIC TANK PUMPED 7/12/11.
200100587	144		SKIMINO	RD	11/18/2011	01/09/2012	pumped by atlantic sys 1/9/12
200100593	304		BIG GAP	RD	11/18/2011	01/23/2012	pumped 1/23/12 per recpt Atlantic Systems
200100595	158		SKIMINO	RD	01/09/2012	01/09/2012	pumped 12/5/11 per Virginia Pump & Motor Co list
200100595	158		SKIMINO	RD	11/18/2011	12/08/2011	SEPTIC TANK PUMPED 12/5/11.
200100609	184		SKIMINO	RD	11/18/2011	02/17/2012	pumped per Jerrys septic recpt 2/16/12
200100610	186		SKIMINO	RD	11/18/2011	03/01/2012	pumped 2/28/12 per atlantic sys recpt
200100620	205		SKIMINO	RD	11/18/2011	11/30/2011	SEPTIC TANK PUMPED 2/22/11.
200100622	211		SKIMINO	RD	11/18/2011	11/22/2011	SEPTIC TANK PUMPED 1/8/09.
200100624	212	A	SKIMINO	RD	11/18/2011	02/23/2012	pumped 2/23/12 per virginia pump and motor co
200100626	214		SKIMINO	RD	11/18/2011	02/27/2012	pumped 2/24/12 per virginia pump and haul recpt

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200100627	216		SKIMINO	RD	11/18/2011	02/09/2012	pumped 1/29/2010 per recpt kempton septic tank service
200100628	104		FOREST	LN	11/18/2011	12/02/2011	SEPTIC TANK PUMPED 11/23/11.
200100636	230		SKIMINO	RD	10/07/2011	10/05/2011	PER VIRGINIA PUMP & MOTOR LIST, SEPTIC TANK PUMPED 9/13/11.
200100640	234		SKIMINO	RD	11/18/2011	01/11/2012	pumped by Atlantic sys 12/15/11
200100644	116		SKIMINO	RD	11/18/2011	01/03/2012	pumped 12/15/11 atlantic systems recpt
200100651	256		BARLOW	RD	02/05/2010	12/08/2011	SEPTIC TANK PUMPED 10/14/11.
200100657	309		CARTERS NECK	RD	11/18/2011	03/20/2012	pumped 2/3/12 per woods recpt
200100660	321		CARTERS NECK	RD	11/18/2011	02/07/2012	pumped 2/3/12 per woods recpt
200100661	111		WILSON	DR	11/18/2011	12/09/2011	SEPTIC TANK PUMPED 12/1/11.
200100663	110		WILSON	DR	11/18/2011	01/12/2012	pumped by atlantic systems 1/3/12
200100665	113		WILSON	DR	11/18/2011	12/02/2011	SEPTIC TANK PUMPED 11/25/11.
200100667	407		CARTERS NECK	RD	11/18/2011	03/22/2012	pumped 3/20/12 per atlantic systems recpt
200100669	115		WILSON	DR	12/08/2011	12/08/2011	SEPTIC TANK PUMPED 12/1/11.
200100670	501		CARTERS NECK	RD	11/18/2011	12/28/2011	SEPTIC TANK PUMPED 12/22/11.
200100671	114		WILSON	DR	08/02/2011	08/02/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 7/29/11.
200100672	511		CARTERS NECK	RD	11/18/2011	01/04/2012	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 12/1/11.
200100675	521		CARTERS NECK	RD	11/18/2011	12/19/2011	SEPTIC TANK PUMPED 12/15/11.
200100678	601		CARTERS NECK	RD	10/05/2011	10/04/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 9/30/11.
200100679	109		DEER PATH	RD	11/18/2011	01/23/2012	pumped by Atlantic sys 1/19/12 per recpt
200100680	111		DEER PATH	RD	11/18/2011	01/23/2012	pumped 1/19/12 per atlantic systems recpt

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200100684	115		DEER PATH	RD	11/18/2011	02/15/2012	pumped per jerrys septic tank service recpt
200100685	117		DEER PATH	RD	11/18/2011	11/29/2011	SEPTIC TANK PUMPED 9/1/10.
200100687	715		CARTERS NECK	RD	11/18/2011	02/13/2012	pumped 2/6/12 per atlantic systems recpt
200100688	119		DEER PATH	RD	11/18/2011	01/18/2012	inspected per parsleys rept 1/16/12
200100694	811		CARTERS NECK	RD	11/18/2011	01/27/2012	pumped per advanced sys recpt 3/19/08
200100697	112		FOREST	LN	11/18/2011	11/23/2011	SEPTIC TANK PUMPED 4/15/11.
200100699	115		FOREST	LN	11/18/2011	02/21/2012	pumped 2/16/12 per Atlantic systems recpt
200100700	819		CARTERS NECK	RD	09/08/2011	09/07/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 8/31/11.
200100702	113		FOREST	LN	11/18/2011	11/21/2011	SEPTIC TANK PUMPED 9/23/11.
200300143	1428		HAMPTON	HWY	11/18/2011	02/03/2012	pumped 1/5/12 per Virginia Pump and haul recpt
200300159	918		YORKTOWN	RD	11/18/2011	12/06/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 11/22/11.
200300192	305		OLD LAKESIDE	DR	02/09/2012	02/08/2012	tank pumped and filled 1/20/12 per woods list
200300209	107		PAMELA	PL	11/18/2011	01/05/2012	pumped 12/6/11 per woods list
200300244	3405		BIG BETHEL	RD	05/24/2012	05/14/2012	per woods list pumped 4/26/12
200300247	3303		BIG BETHEL	RD	05/24/2012	05/14/2012	pumped 4/16/12 per woods list
200300255	3300		BIG BETHEL	RD	11/08/2011	11/03/2011	PER VIRGINIA PUMP & MOTOR LIST, SEPTIC TANK PUMPED 10/21/11.
200300257	2300		HAMPTON	HWY	01/09/2012	01/09/2012	pumped 12/31/11 per woods list
200300260	3400		BIG BETHEL	RD	11/18/2011	11/30/2011	SEPTIC TANK PUMPED 11/22/11
200300262	2605		HAMPTON	HWY	01/09/2012	01/09/2012	pumped 12/30/11 per woods list
200300262	2605		HAMPTON	HWY	05/01/2012	03/31/2012	pumped per woods list 3/31/12
200300300	2813		BIG BETHEL	RD	11/18/2011	12/10/2011	SEPTIC TANK PUMPED 12/7/11.

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200300313	3527		BIG BETHEL	RD	11/18/2011	11/21/2011	SEPTIC TANK PUMPED 11/21/11.
200300333	1715		YORKTOWN	RD	11/18/2011	11/22/2011	SEPTIC TANK PUMPED 1/21/09.
200300335	1911		YORKTOWN	RD	11/18/2011	03/06/2012	pumped 3/2/12 per virginia pump & Motor co
200300340	1919		YORKTOWN	RD	11/18/2011	11/22/2011	PER MELINDA, CLOSE OUT SEPTIC APPLICATION. no such address in Property information. Land locked no improvements u04d-3874-1081
200300368	309		BEECHWOOD	LN	04/02/2012	04/02/2012	pumped 3/12/12 per woods list
200300368	309		BEECHWOOD	LN	02/09/2012	02/08/2012	pumped 1/12/12 per woods list
200300387	3025		HAMPTON	HWY	10/07/2011	10/05/2011	PER VIRGINIA PUMP & MOTOR LIST, SEPTIC TANK PUMPED 9/6/11.
200300387	3025		HAMPTON	HWY	10/07/2011	10/05/2011	PER VIRGINIA PUMP & MOTOR LIST, SEPTIC TANK PUMPED 9/20/11.
200300387	3025		HAMPTON	HWY	06/26/2012	06/19/2012	pumped 5/15/12 per virginia pump & haul list
200300389	3041		HAMPTON	HWY	11/18/2011	12/06/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 11/22/11.
200300397	3618		HAMPTON	HWY	06/26/2012	06/12/2012	pumped 5/14/12 per woods list
200300398	3624		HAMPTON	HWY	06/26/2012	06/19/2012	pumped 5/14/12 per woods list
200300399	3632		HAMPTON	HWY	06/26/2012	06/12/2012	pumped 5/14/12 per woods list
200300527	315		CARYS CHAPEL	RD	06/14/2012	03/26/2012	pumped per woods list 2/27/12
200500331	100		SHADY BLUFF	PT	10/05/2011	10/04/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 9/9/11.
200500340	1115		SPRINGFIELD	RD	02/01/2012	02/01/2012	PUMPED 1/24/12 PER ATLANTIC SYSTEMS RECPT
200500341	1303		WATERVIEW	RD	12/08/2011	12/07/2011	PER VA PUMP AND HAUL'S LIST, SEPTIC TANK PUMPED 11/28/11.
200500347	802		GOOSLEY	RD	11/18/2011	11/21/2011	SEPTIC TANK PUMPED 7/27/09.
200500375	403		FAULKNER	RD	06/25/2012	06/12/2012	pumped 5/9/12 per woods list
200500376	701		WATERVIEW	RD	11/18/2011	02/01/2012	pumped 1/20/12 per woods recpt
200500397	109		CARVER	PL	11/08/2011	11/04/2011	PER ZIEGLER'S LIST, SEPTIC TANK PUMPED 10/4/11.
200500422	801		GOOSLEY	RD	05/24/2012	05/14/2012	per woods list pumped 4/14/12

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200500445	601		HORNSBYVILLE	RD	05/01/2012	03/29/2012	pumped 3/29/12 per woods list
200500445	601		HORNSBYVILLE	RD	08/11/2011	08/08/2011	PER WOOD'S PLUMBING LIST, SEPTIC TANK PUMPED 7/16/11
200500445	601		HORNSBYVILLE	RD	12/08/2011	12/06/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 11/7/11.
200500472	1200		DANDY LOOP	RD	10/07/2011	10/05/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 9/20/11.
200500477	309		BOLIVAR	DR	02/08/2012	02/08/2012	pumped 1/24/12 per zigler list
200500497	1109		HORNSBYVILLE	RD	09/01/2011	08/31/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 8/4/11.
200500504	229		TERREBONNE	RD	12/08/2011	12/07/2011	PER VA PUMP AND HAUL'S LIST, SEPTIC TANK PUMPED 11/25/11.
200500516	1630		GEO WASH MEM	HWY	10/07/2011	10/05/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 9/26/11.
200500521	307		FAULKNER	RD	11/18/2011	11/21/2011	SEPTIC TANK PUMPED 9/19/08.
200500554	711		HORNSBYVILLE	RD	01/09/2012	01/09/2012	pumped 12/19/11 per woods list
200500572	107		CARVER	PL	06/26/2012	06/12/2012	pumped per woods list 5/11/12
200500580	1315		HORNSBYVILLE	RD	02/09/2012	02/08/2012	pumped 1/23/12 per woods list
200500608	106		BURCHER	RD	12/08/2011	12/06/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 11/30/11.
200500609	104		BURCHER	RD	11/18/2011	12/06/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 11/30/11.
200500621	1203		HORNSBYVILLE	RD	11/18/2011	12/02/2011	SEPTIC TANK PUMPED 11/25/11.
200500623	603		LOTZ	DR	10/24/2011	10/24/2011	SEPTIC TANK PUMPED 10/7/11.
200500625	305		FAULKNER	RD	05/25/2012	05/14/2012	pumped 4/26/12 per woods list
200500636	301		FAULKNER	RD	11/18/2011	02/07/2012	pumped 2/3/2012 per woods recpt
200500642	400		ANGUS	LN	11/18/2011	12/05/2011	CLOSE OUT PER MELINDA. ONSITE SEWER AND WATER FROM GRINDER PUMP TO PROPERTY LINE TIED INTO JCCSA SYSTEM
200500650	1006		WATERVIEW	RD	11/18/2011	02/24/2012	pumped 2/20/12 per woods recpt
200500683	1215		ORIANA	RD	09/01/2011	08/31/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 8/31/11.

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200500694	7214		GEO WASH MEM	HWY	11/18/2011	11/29/2011	SEPTIC TANK PUMPED 11/22/11.
200500701	1115		WOLF TRAP	RD	12/08/2011	12/06/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 11/26/11.
200500703	108		WHITES	RD	06/14/2012	03/26/2012	pumped 2/3/12 per woods list
200500730	108		ORIANA	RD	04/02/2012	04/02/2012	pumped 3/17/12 per woods list
200500730	108		ORIANA	RD	12/08/2011	12/06/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 11/10/11.
200500738	104		JANIS	DR	11/18/2011	01/17/2012	pumped 6/15/10 advanced Septic & Sewer
200500754	107		COURT	RD	09/01/2011	08/31/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 8/3/11.
200500776	300		JANIS	DR	10/07/2011	10/05/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 9/27/11.
200500823	222		OLD WORMLEY CREEK	RD	12/08/2011	12/06/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 11/4/11.
200500829	225		TERREBONNE	RD	01/09/2012	01/09/2012	pumped 12/19/11 per woods list
200500859	3201		OLD WILLIAMSBURG	RD	11/18/2011	02/01/2012	pumped 1/17/12 per woods recpt
200500885	108		ELM	DR	06/14/2012	03/26/2012	pumped 2/28/12 per woods list
200500907	313		DOROTHY	DR	11/18/2011	01/05/2012	pumped 12/10/11 per woods list
200501031	330		DARE	RD	12/08/2011	12/06/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 11/30/11.
200501051	7505		GEO WASH MEM	HWY	10/05/2011	10/04/2011	PER ZIEGLER'S LIST, SEPTIC TANK PUMPED 9/20/11.
200501051	7505		GEO WASH MEM	HWY	11/08/2011	11/04/2011	PER ZIEGLER'S LIST, SEPTIC TANK PUMPED 10/21/11.
200501093	7207		GEO WASH MEM	HWY	06/25/2012	06/12/2012	pumped May 9 2012 per woods list
200600604	102		DOGWOOD	CT	02/08/2012	01/06/2012	pumped per zeiglers Jan list
200600840	205		CREEK POINT	CIR	09/08/2011	09/07/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 8/5/11.
200600944	302		JETHRO	LN	12/08/2011	12/06/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 11/4/11.
200600947	3612		HAMPTON	HWY	06/26/2012	06/12/2012	pumped 5/14/2012 per woods list
200600961	512		YORK-WARWICK	DR	01/09/2012	01/09/2012	pumped 12/9/11 per woods list

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200600977	529		ALLENS MILL	RD	11/02/2011	11/01/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 10/28/11.
200601019	115		BEECHAM	DR	01/09/2012	01/09/2012	pumped per woods list 12/29/11
200601025	507		BURTS	RD	05/25/2012	05/14/2012	pumped per woods list 4/30/12
200601207	7536		GEO WASH MEM	HWY	05/24/2012	05/24/2012	pumped 4/4/12 per woods list
200700003	223		CHERWELL	CT	11/18/2011	11/23/2011	SEPTIC TANK PUMPED 5/27/11.
200800133	531		ALLENS MILL	RD	03/09/2011	11/01/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 10/28/11.
200800138	304		BACK FORTY	LOOP	12/08/2011	01/03/2012	SEPTIC TANK PUMPED 3/29/10.
200800139	321		BARLOW	RD	03/09/2011	09/13/2011	SEPTIC TANK PUMPED 3/28/11.
200800216	515		OLD YORK-HAMPTON	HWY	02/09/2012	02/08/2012	pumped 1/3/12 per woods list
200800288	142		LEWIS	DR	11/08/2011	11/04/2011	PER ZIEGLER'S LIST, SEPTIC TANK PUMPED 10/21/11.
200800320	101		SHADY BLUFF	PT	02/05/2010	07/29/2011	SEPTIC TANK PUMPED 3/19/10.per woods recpt
200800337	207		SKIMINO LANDING	DR	12/05/2011	12/05/2011	PER PARSLEY'S LIST, SEPTIC TANK PUMPED 11/9/11.
200900480	2204		OLD YORK-HAMPTON	HWY	03/08/2012	03/08/2012	pumped 2/3/12 per zeigler list
200900488	447		FENTON MILL	RD	03/09/2011	11/03/2011	SEPTIC TANK PUMPED 11/3/11.
201000003	7100	B	GEO WASH MEM	HWY	11/23/2011	11/22/2011	SEPTIC TANK PUMPED 10/7/11.
201000096	405		LOTZ	DR	03/09/2011	09/19/2011	SEPTIC TANK PUMPED 10/2/09
201000468	318		JETHRO	LN	12/08/2011	03/16/2012	tank pumped 3/13/12 per Blakes receipt
201000501	2330		GEO WASH MEM	HWY	12/08/2011	03/07/2012	pumped 3/7/2012 per ziegler recpt
201000520	117		GREENE	DR	03/09/2011	10/07/2011	SEPTIC TANK PUMPED 9/9/11.
201000521	119		GREENE	DR	03/09/2011	10/07/2011	SEPTIC TANK PUMPED 9/9/11.
201000522	173		GOODWIN NECK	RD	12/08/2011	03/27/2012	

APNO	Attachment E2 STNO	STSUB	STNAME	SUFFIX	ISSDTM	COMPDTM	COMMENTS
201000525	116		CHISMAN	LNDG	03/09/2011	08/31/2011	SEPTIC TANK PUMPED 8/25/11.
201000526	118		CHISMAN	LNDG	03/09/2011	09/08/2011	SEPTIC TANK PUMPED 9/6/11.
201100237	222		APPLE	LN	07/06/2011	07/06/2011	SEPTIC TANK PUMPED 2/28/11
201100238	122		GREENE	DR	10/05/2011	10/03/2011	PER ZIEGLER'S LIST, SEPTIC TANK PUMPED 9/7/11.
201100238	122		GREENE	DR	01/09/2012	01/09/2012	per zigler list 12/1/11
201100238	122		GREENE	DR	08/11/2011	08/08/2011	PER ZIEGLER'S LIST, SEPTIC TANK PUMPED 7/14/11
201100238	122		GREENE	DR	11/08/2011	11/04/2011	PER ZIEGLER'S LIST, SEPTIC TANK PUMPED 10/21/11.
201100238	122		GREENE	DR	03/08/2012	03/08/2012	pumped 2/3/12 per zeigleers list
201100238	122		GREENE	DR	07/07/2011	07/05/2011	PER ZIEGLER'S LIST, SEPTIC TANK PUMPED 6/27/11.
201100238	122		GREENE	DR	09/16/2011	09/15/2011	PER ZIEGLER'S LIST, SEPTIC TANK PUMPED 8/29/11.
201100249	511		GOOSLEY	RD	08/01/2011	07/15/2011	PER VIRGINIA PUMP & MOTOR CO. LIST, SEPTIC TANK PUMPED 6/2/11
201100256	126		LOBLOLLY	DR	08/11/2011	08/08/2011	PER VIRGINIA PUMP & MOTOR LIST, SEPTIC TANK PUMPED 7/21/11
201100259	123		SLEEPY HOLLOW	LN	12/08/2011	12/08/2011	CLOSE OUT PER MELINDA. HAS PERMIT TO CONNECT TO SEWER.
201100268	130		CHISMAN	LNDG	09/01/2011	08/31/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 8/10/11.
201100270	519		BURTS	RD	09/08/2011	08/04/2011	PER WOOD'S LIST, SEPTIC TANK PUMPED 7/6/11.
201200001	207		MARL RAVINE	RD	01/06/2012	01/06/2012	pumped per woods list 12/19/11
201200005	202		SKIMINO	RD	01/17/2012	01/17/2012	pumped 1/5/12 Atlantic Sys Recpt
201200028	105		YORKSHIRE	DR	03/08/2012	03/08/2012	pumped 2/15/12 per zeiglers list
201200028	105		YORKSHIRE	DR	03/08/2012	03/08/2012	
201200061	7830		GEO WASH MEM	HWY	04/18/2012	03/31/2012	per woods list pumped 3/5/12
201200090	100		SOUTH MAPLE	RD	05/24/2012	05/14/2012	pumped 4/13/12 per woods list
201200109	143		WEST QUEENS	DR	06/14/2012	04/06/2012	pumped 3/12/12 per Virginia pump & haul list
201200117	111		SKIMINO LANDING	DR	06/25/2012	04/05/2012	pumped per parsleys list 3/26/2012

Attachment E2
APNO STNO STSUB STNAME SUFFIX ISSDTM COMPDTM COMMENTS

VAR040028

Total # of Pump-outs/Inspections Reported:

339

Total # of Systems Pumped-out /Inspected:

320

Impaired Waters

Permittee	HUC Watershed	Watershed Name	LandUse	Area - Ac.	PerImperv
York	CB21	Poquoson River	Conservation	4599.97	1
York	CB21	Poquoson River	Agricultural	297.85	1
York	CB21	Poquoson River	Commercial	416.15	52
York	CB21	Poquoson River	General Industrial	786.27	16
York	CB21	Poquoson River	Limited Industrial	209.55	31
York	CB21	Poquoson River	Multi-Family Residential	247.82	41
York	CB21	Poquoson River	Public/Semi-Public	559.81	20
York	CB21	Poquoson River	Single-Family Residential	5955.79	14
York	CB21	Poquoson River	Vacant	4166.46	1
York	CB21	Poquoson River	Tourist Commercial	7.38	58
			Total	17,247.05	
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	Conservation	619.10	1
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	Agricultural	6.87	12
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	Commercial	128.91	65
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	General Industrial	6.46	28
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	Limited Industrial	55.90	61
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	Multi-Family Residential	243.45	39
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	Military	396.80	23
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	Public/Semi-Public	107.28	29
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	Single-Family Residential	1315.22	21
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	Vacant	399.79	1
York	CB22	Northwest Branch - Back River/Brick Kiln Creek	Tourist Commercial	2.12	56
			Total	3,281.90	
York	JL38	Warwick River	Conservation	5119.21	1
York	JL38	Warwick River	Commercial	6.91	27
York	JL38	Warwick River	General Industrial	2.85	9
York	JL38	Warwick River	Multi-Family Residential	23.24	28
York	JL38	Warwick River	Military	174.08	10
York	JL38	Warwick River	Public/Semi-Public	62.52	20
York	JL38	Warwick River	Single-Family Residential	261.73	14
York	JL38	Warwick River	Vacant	367.68	1
			Total	6,018.21	
			TOTAL	26,547.17	

Inspection Request Line: 890-3910

Building Regulation Office: 890-3522
 Utilities Division,
 (757)890-3752

Service Request Summary**Report Date** 09/19/2012 11:03 AM**Submitted By**

Page 1

Search Criteria**Search Style** Match**Sort By** Serv # Ascend**Service Req Status** ALL**Problem** IDDC **Show Linked****Problem** 07/01/2011 00:00 **To** 06/30/2012 23:59**Service Request Summary**

Service # 70160	Problem IDDC	Link # 1	Priority 1	A/P Attached N	Problem Date 09/20/2011 15:58
Address 450 COUNTRY LN			Taken By VG	Project	Scheduled Date
Cross Street			Responsibility U	Source	Start Date
Cross Street					Inspection Date
Name CARROLL			Map #	Resolve Code RES	Resolve Date 10/27/2011 16:52
Location DUNMORE					

Service # 71466	Problem IDDC	Link # 1	Priority 1	A/P Attached N	Problem Date 11/30/2011 11:10
Address			Taken By VG	Project	Scheduled Date
Cross Street			Responsibility U	Source	Start Date
Cross Street					Inspection Date
Name LANE			Map #	Resolve Code	Resolve Date
Location SOMMERVILLE - STORM DRAIN ON SIR JOHN'S WAY, NEXT TO HOLDING POND					

Service # 71593	Problem IDDC	Link # 1	Priority 1	A/P Attached N	Problem Date 12/06/2011 09:27
Address 105 BLACKWOOD CT			Taken By VG	Project	Scheduled Date
Cross Street			Responsibility U	Source	Start Date
Cross Street					Inspection Date
Name GRIFFIN			Map #	Resolve Code RES	Resolve Date 12/06/2011 11:35
Location WHISPERING WINDS					

SSORS Database - SPILL REPORT

Jurisdiction: All

Created on 9/18/2012 1:14:42 PM
Date Range, Reported between 07/01/2011 AND 06/30/2012

SSORS ID:	103110	Reported:	07/11/11 10:33 AM	Amount Spilled:	1050 Gallons
DEQ IR #:	SSORS#2012-T-103110	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited:	07/14/11 1:30 PM	Reaching State Waters:	1050 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	07/09/11 1:41 AM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	07/09/11 5:11 AM
Responsible Party:	York County	Final Submittal:	07/14/11 1:30 PM	Spill Duration:	3 hour(s) 30 minute(s)
Site Name:	Kings Villa PS#19			SSO Classification:	Capacity-Weather Related

Cordinates:**Description Of Incident**

Rain Event on 7/8 though 7/9 with increased HRSD Pressures caused wer well flood and a sanitary sewer overflow

Possible Receptors

Poquoson River

Description of Materials

Sanitary Sewer

Corrective Action

Kings Villa PS#19 is a SSES Basin being investigated as part of the HRPDC Regional Consent Order with DEQ

DEQ Comments

(Reviewed 7/11/2011 10:45:06 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103111	Reported:	07/11/11 10:41 AM	Amount Spilled:	1482 Gallons
DEQ IR #:	SSORS#2012-T-103111	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited:	07/14/11 1:31 PM	Reaching State Waters:	1482 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	07/08/11 9:56 PM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	07/09/11 6:10 AM
Responsible Party:	York County	Final Submittal:	07/14/11 1:31 PM	Spill Duration:	8 hour(s) 14 minute(s)
Site Name:	Lackey PS#45			SSO Classification:	Capacity-Weather Related

Cordinates:**Description Of Incident**

Rain event and increased pressures from HRSD caused wet well flood and a sanitary sewer overflow,

Possible Receptors

Lee Hall Reservoir

Description of Materials

Sanitary Sewer

Corrective Action

Lackey Station #45 is a SSES Basin being investigated as part of the Hampton Roads Regional Consent Order with DEQ

DEQ Comments

(Reviewed 7/11/2011 10:45:49 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103119	Reported:	07/14/11 1:38 PM	Amount Spilled:	3000 Gallons
DEQ IR #:	SSORS#2012-T-103119	Reported by:	Administrator York	Amount Recovered:	300 Gallons
Asset ID:		Last Edited:	08/04/11 3:45 PM	Reaching State Waters:	2700 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	07/13/11 12:00 PM

SSORS Database - SPILL REPORT

Jurisdiction: All

Created on 9/18/2012 1:14:42 PM
Date Range, Reported between 07/01/2011 AND 06/30/2012

Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	07/13/11 10:45 PM 10 hour(s) 45 minute(s)
Responsible Party:	York County	Final Submittal:	08/04/11 3:45 PM	Spill Duration:	
Site Name:	Dominion Va Power			SSO Classification:	Damage By Others
Cordinates:					

Description Of Incident

Colonial Pipe Line Contractor hit and damage an unmarked 6" PVC forcemain. Contractor eventually contacted York County around 6:30pm and emergency on-call personnel responded. cres were able to repair damaged force main.

Possible Receptors

York River

Description of Materials

Sanitary Sewer

Corrective Action

Force main to be relocated from the Colonial Pipe Line and constructed along Waterview Road as part of the Waterview Vacuum Sewer Project

DEQ Comments

(Reviewed 7/14/2011 2:18:30 PM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103133	Reported:	08/04/11 3:56 PM	Amount Spilled:	200 Gallons
DEQ IR #:	SSORS#2012-T-103133	Reported by:	Administrator York	Amount Recovered:	25 Gallons
Asset ID:		Last Edited	09/06/11 4:14 PM	Reaching State Waters:	175 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	08/03/11 8:30 AM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	08/04/11 9:30 AM
Responsible Party:	York County	Final Submittal:	09/06/11 4:14 PM	Spill Duration:	25 hour(s) 0 minute(s)
Site Name:	Kiln Creek #2 Force Main			SSO Classification:	Infrastructure

Cordinates:**Description Of Incident**

Operations employee noticed a wet spot in the Kroger Parking lot next to the Kiln Creek PS. Operations quickly concluded that it was the force main leaking creating the wet spot. Construction crew notified of SSO and responded. Operations started a pump and haul operation and notified Ms. Utilities. Crew excavated area, found the gasket had failed and installed a Bell Clamp. Station was turned back on at 4:15pm.

Possible Receptors

Ground Water Table, SSO never reached parking lot storm drain collection system

Description of Materials

Sanitary Sewer

Corrective Action

Repaired Force Main

DEQ Comments

(Reviewed 8/5/2011 7:08:25 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103188	Reported:	08/29/11 3:24 PM	Amount Spilled:	2000 Gallons
DEQ IR #:	SSORS#2012-T-103188	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited	09/14/11 7:50 AM	Reaching State Waters:	2000 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	08/27/11 12:49 PM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	08/28/11 1:03 AM 12 hour(s) 14 minute(s)
Responsible Party:	York County	Final Submittal:	09/14/11 7:50 AM	Spill Duration:	

SSORS Database - SPILL REPORT

Jurisdiction: All

Created on 9/18/2012 1:14:42 PM
Date Range, Reported between 07/01/2011 AND 06/30/2012**Site Name:** Whispering Winds PS#
42**SSO Classification:** Capacity-Weather
Related**Cordinates:****Description Of Incident**

Hurricane Irene with 6+ inches of rain

Possible Receptors

Back River

Description of Materials

Sanitary Sewer

Corrective Action

Additional SSES Field Investigation to look for sources of Inflow & Infiltration

DEQ Comments (Reviewed 8/30/2011 8:22:09 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103189	Reported:	08/29/11 3:30 PM	Amount Spilled:	150 Gallons
DEQ IR #:	SSORS#2012-T-103189	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited:	09/14/11 7:50 AM	Reaching State Waters:	150 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	08/28/11 12:45 AM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	08/28/11 1:00 AM
Responsible Party:	York County	Final Submittal:	09/14/11 7:50 AM	Spill Duration:	0 hour(s) 15 minute(s)
Site Name:	George Washington Inn PS#1			SSO Classification:	Capacity-Weather Related

Cordinates:**Description Of Incident**

Hurricane Irene with 6+ inches of rain

Possible Receptors

Queens Creek, York River

Description of Materials

Sanitary Sewer

Corrective Action

Service Area is a SSES basin with Smoke Testing, Manhole Checks, Night Time Flow Isolation and CCTV Inspections. The Condition Assessment will guide us to the appropriate rehabilitation work.

DEQ Comments (Reviewed 8/30/2011 8:23:06 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103190	Reported:	08/29/11 3:37 PM	Amount Spilled:	2000 Gallons
DEQ IR #:	SSORS#2012-T-103190	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited:	09/14/11 7:50 AM	Reaching State Waters:	2000 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	08/27/11 2:19 PM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	08/28/11 12:13 AM
Responsible Party:	York County	Final Submittal:	09/14/11 7:50 AM	Spill Duration:	9 hour(s) 54 minute(s)
Site Name:	Lackey PS#45			SSO Classification:	Capacity-Weather Related

Cordinates:**Description Of Incident**

SSORS Database - SPILL REPORT

Jurisdiction: All

Created on 9/18/2012 1:14:42 PM
Date Range, Reported between 07/01/2011 AND 06/30/2012

Hurricane Irene with 6+ inches of rain

Possible Receptors

Newport News Hardwood Mills Reservoir

Description of Materials

Sanitary Sewer

Corrective Action

SSES Basin for Smoke Testing, Manhole Checks, Night Time Flow Isolation and CCTV Inspections. Condition Assessment Report will guide us to the necessary rehabilitation work necessary.

DEQ Comments

(Reviewed 8/30/2011 8:23:49 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103191	Reported:	08/29/11 3:54 PM	Amount Spilled:	1000 Gallons
DEQ IR #:	SSORS#2012-T-103191	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited:	09/14/11 7:51 AM	Reaching State Waters:	1000 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	08/27/11 9:00 PM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	08/28/11 9:00 AM
Responsible Party:	York County	Final Submittal:	09/14/11 7:51 AM	Spill Duration:	12 hour(s) 0 minute(s)
Site Name:	Skimino PS#72, Skimino Fire Station			SSO Classification:	Capacity-Weather Related

Cordinates:**Description Of Incident**

Hurricane Irene with 6+ inches of rain. Dry well flooded and tripped both discharge pump breakers.

Possible Receptors

York River

Description of Materials

Sanitary Sewer

Corrective Action

PS Investigation to determine cause of dry well flood and electrical system

DEQ Comments

(Reviewed 8/30/2011 8:24:43 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103281	Reported:	09/14/11 7:58 AM	Amount Spilled:	1000 Gallons
DEQ IR #:	SSORS#2012-T-103281	Reported by:	Administrator York	Amount Recovered:	500 Gallons
Asset ID:		Last Edited:	09/14/11 8:03 AM	Reaching State Waters:	500 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Tammy Snell	Spill Date:	09/12/11 7:30 AM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	09/12/11 8:30 AM
Responsible Party:	York County	Final Submittal:	09/14/11 7:58 AM	Spill Duration:	1 hour(s) 0 minute(s)
Site Name:	Don Juan Pump Station			SSO Classification:	Infrastructure

Cordinates:**Description Of Incident**

Station Mechanic on routine station check noticed that the ditchline next to the station was wet (Sanitary Sewer). Mechanic shut down pumps, set up a pump and haul and Utility Operations did an EPO to a local contractor to dig up and fix a broken force main.

Possible Receptors

Kiln Creek, Back River

Description of Materials

SSORS Database - SPILL REPORT

Jurisdiction: All

Created on 9/18/2012 1:14:42 PM
Date Range, Reported between 07/01/2011 AND 06/30/2012

Sanitary Sewer

Corrective Action

Force main was dug up and repaired.

DEQ Comments

(Reviewed 9/14/2011 8:03:27 AM by Tammy Snell)

Incident Date 9/12/11; DEQ notified 9/14/11

Attachments

None.

SSORS ID:	103292	Reported:	09/28/11 3:59 PM	Amount Spilled:	50 Gallons
DEQ IR #:	SSORS#2012-T-103292	Reported by:	Administrator York	Amount Recovered:	5 Gallons
Asset ID:		Last Edited:	10/25/11 3:41 PM	Reaching State Waters:	45 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	09/27/11 6:00 AM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	09/27/11 8:30 AM
Responsible Party:	York County	Final Submittal:	10/25/11 3:41 PM	Spill Duration:	2 hour(s) 30 minute(s)
Site Name:	Hickory Hills			SSO Classification:	Other

Cordinates:**Description Of Incident**

Home owner called in a sanitary sewer back-ip. When Operations crew arrived, property owner had removed the sanitary sewer clean-out cap and sanitary sewer was spilling. Crew used Jet Rodder to clear service lateral to manhole.

Possible Receptors

Queens Lake, Queens Creek

Description of Materials

Sanitary Sewer

Corrective Action

Work Order entered to CCTV main and lateral

DEQ Comments

(Reviewed 9/29/2011 7:21:11 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103306	Reported:	10/25/11 3:40 PM	Amount Spilled:	750 Gallons
DEQ IR #:	SSORS#2012-T-103306	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited:	11/04/11 1:11 PM	Reaching State Waters:	750 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	10/24/11 7:30 AM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	10/24/11 8:10 AM
Responsible Party:	York County	Final Submittal:	11/04/11 1:11 PM	Spill Duration:	0 hour(s) 40 minute(s)
Site Name:	York Terrace			SSO Classification:	Maintenance-Grease

Cordinates:**Description Of Incident**

Utility Development Inspector found manhole in easement overflowing and notified operations. Operations responded, checked upstream nad downstream manholes and Jet Rodded main to clear blockage.

Possible Receptors

Jones Pond, York River

Description of Materials

Sanitary Sewer

Corrective Action

Service area scheduled for preventative maintenance cleaning

DEQ Comments

(Reviewed 10/26/2011 9:34:51 AM by Tammy Snell)

SSORS Database - SPILL REPORT

Jurisdiction: All

Created on 9/18/2012 1:14:42 PM
Date Range, Reported between 07/01/2011 AND 06/30/2012

None.

Attachments

None.

SSORS ID:	103312	Reported:	11/04/11 1:19 PM	Amount Spilled:	750 Gallons
DEQ IR #:	SSORS#2012-T-103312	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited:	12/08/11 9:49 AM	Reaching State Waters:	750 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	11/03/11 7:45 AM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	11/03/11 8:30 AM
Responsible Party:	York County	Final Submittal:	12/08/11 9:49 AM	Spill Duration:	0 hour(s) 45 minute(s)
Site Name:	Bruton High School			SSO Classification:	Infrastructure

Cordinates:**Description Of Incident**

School Board Building Maintenance contacted Utilities, and operations responded. #2 Pump drive broke off at threads to impeller and #1 pump lost prime. Wet well high level float failed so operations did not receive an alarm.

Possible Receptors

Waller Mill Reservoir

Description of Materials

Sanitary Sewer

Corrective Action

Replace pump drive assembly on pump #2 and replaced the wet well high level alarm float and verified operations.

DEQ Comments (Reviewed 11/4/2011 1:36:47 PM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103321	Reported:	12/08/11 9:59 AM	Amount Spilled:	850 Gallons
DEQ IR #:	SSORS#2012-T-103321	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited:	12/08/11 10:10 AM	Reaching State Waters:	850 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Tammy Snell	Spill Date:	12/07/11 7:30 AM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	12/07/11 11:00 AM
Responsible Party:	York County	Final Submittal:	12/08/11 9:59 AM	Spill Duration:	3 hour(s) 30 minute(s)
Site Name:	Dandy Force Main			SSO Classification:	Infrastructure

Cordinates:**Description Of Incident**

Utilities' personnel walking force main route and operating valves found the valve leaking. Operations shut down the Dandy Vacuum Station and set up a pump and haul, and contacted our Construction Section to mobilize to dig up and repair the valve.

Possible Receptors

Back Creek

Description of Materials

Sanitary Sewer

Corrective Action

Replaced the valve gasket and bolts with stainless steel bolts

DEQ Comments (Reviewed 12/8/2011 10:10:11 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103365	Reported:	02/29/12 3:16 PM	Amount Spilled:	50 Gallons
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SSORS Database - SPILL REPORT

Jurisdiction: All

Created on 9/18/2012 1:14:42 PM
Date Range, Reported between 07/01/2011 AND 06/30/2012

DEQ IR #:	SSORS#2012-T-103365	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited	03/01/12 7:19 AM	Reaching State Waters:	50 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Tammy Snell	Spill Date:	02/28/12 2:30 PM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	02/28/12 4:30 PM
Responsible Party:	York County	Final Submittal:	02/29/12 3:16 PM	Spill Duration:	2 hour(s) 0 minute(s)
Site Name:	Moore House Road			SSO Classification:	Maintenance-Roots

Cordinates:**Description Of Incident**

Homeowner called Utilities Emergency Number reporting an sewer overflow. Crews responded and jetrodded and flush main line to clear blockage.

Possible Receptors

York River

Description of Materials

Sanitary Sewer

Corrective Action

Area previously treated for roots. Operations will follow-up with root control company for retreatment.

DEQ Comments (Reviewed 3/1/2012 7:19:59 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103378	Reported:	04/02/12 4:47 PM	Amount Spilled:	500 Gallons
DEQ IR #:	SSORS#2012-T-103378	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited	09/18/12 1:09 PM	Reaching State Waters:	500 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	04/01/12 1:15 PM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	04/01/12 3:15 PM
Responsible Party:	York County	Final Submittal:	09/18/12 1:09 PM	Spill Duration:	2 hour(s) 0 minute(s)
Site Name:	Leigh & Barham			SSO Classification:	Other

Cordinates:**Description Of Incident**

Emergency Operations dispatch "On-Call" crew to respons to a sanitary sewer overflow at the intersection of Leigh Road & Barham Road. Operations cleaned the main line with the Jet Rodder and reestablished normal flow.

Possible Receptors

Yorktown Creek, York River

Description of Materials

Sanitary Sewer

Corrective Action

CCTV scheduled

DEQ Comments (Reviewed 4/3/2012 7:09:42 AM by Tammy Snell)

None.

Attachments

None.

SSORS ID:	103384	Reported:	04/12/12 9:10 AM	Amount Spilled:	2000 Gallons
DEQ IR #:	SSORS#2012-T-103384	Reported by:	Administrator York	Amount Recovered:	0 Gallons
Asset ID:		Last Edited	09/18/12 1:12 PM	Reaching State Waters:	2000 Gallons
Reporting Jurisdiction:	York	Last Edited by:	Administrator York	Spill Date:	04/12/12 8:00 AM
Spilled-In Jurisdiction:	York	Phoned In:		Date Under Control:	05/11/12 8:00 AM

SSORS Database - SPILL REPORT

Jurisdiction: All

Created on 9/18/2012 1:14:42 PM
Date Range, Reported between 07/01/2011 AND 06/30/2012

Responsible Party:	Private	Final Submittal:	09/18/12 1:12 PM	Spill Duration:	696 hour(s) 0 minute(s)
Site Name:	406 ByPass Road	SSO Classification:			Third Party Action
Cordinates:					

Description Of Incident

Utility Operations Preventative Maintenance crew discovered raw sewerage in our easement and followed the source to a cut private sanitary sewer lateral in the rear of 406 ByPass Road. York County Zoning Violations and Building Regulations have been contacted. Local Health Department (Wmbg) was contacted and is working with property owner to repair "on-site" septic.

Possible Receptors

Waller Mill Reservoir

Description of Materials

Sanitary Sewer

Corrective Action

Utility Operations have forwarded violation, existing conditions to York County Zoning Violations and to Building Regulations. Volume was estimated greater than 1,000 gallon to additionally notify the Health Department. Contacted Local Health Department for "on-site" investigation.

DEQ Comments

(Reviewed 4/12/2012 9:16:02 AM by Tammy Snell)

None.

Attachments

None.

<u>STNO</u>	<u>STS</u>	<u>STNAME</u>	<u>SUFFIX</u>	<u>PRCLID</u>	<u>COMPDTM</u>
101		ALEXIA	LN	N11B-4845-4808	10/07/2011
103		ALEXIA	LN	N11B-4854-4834	10/07/2011
105		ALEXIA	LN	N11B-4861-4855	10/07/2011
107		ALEXIA	LN	N11B-4868-4875	10/07/2011
109		ALEXIA	LN	N11B-4877-4901	10/07/2011
305		ALEXIA	LN	N12D-4981-0207	06/22/2012
307		ALEXIA	LN	N12D-4990-0233	06/22/2012
309		ALEXIA	LN	N12D-4998-0258	06/22/2012
106		ALLEN HARRIS	DR	Q09D-4624-0770	08/05/2011
101		AUGUST	DR	U08B-3637-4472	10/14/2011
113		AUGUST	DR	U08B-3191-4532	09/13/2011
1110		BACK CREEK	RD	T09B-3806-2797	07/28/2011
303		BACK FORTY	LOOP	E20B-3790-4590	05/04/2012
101		BAY TREE BEACH	RD	V08B-3946-4898	06/14/2012
905		BAY TREE BEACH	RD	W09A-0731-3367	05/31/2012
907		BAY TREE BEACH	RD	W09A-0786-3306	05/02/2012
909		BAY TREE BEACH	RD	W09A-0822-3240	05/02/2012
913		BAY TREE BEACH	RD	W09A-0885-3103	05/31/2012
915		BAY TREE BEACH	RD	W09A-0904-3031	04/24/2012
917		BAY TREE BEACH	RD	W09A-0960-2970	05/15/2012
925		BAY TREE BEACH	RD	W09A-1126-2711	11/15/2011
1017		BAY TREE BEACH	RD	W09C-1341-2071	05/21/2012
101	A	BEECHAM	DR	T05C-1261-0268	10/11/2011
105		BELL HILL	DR	R07B-4775-4375	10/25/2011
4214		BIG BETHEL	RD	U03A-0919-4224	06/11/2012
101		BOWSTRING	DR	G15D-3428-1386	10/18/2011
102		BOWSTRING	DR	G15D-3485-1590	12/13/2011
103		BOWSTRING	DR	G15D-3165-1481	07/25/2011
104		BOWSTRING	DR	G15D-3355-1644	11/07/2011
105		BOWSTRING	DR	G15D-2962-1561	10/28/2011
108		BOWSTRING	DR	G15D-3070-1745	11/21/2011
109		BOWSTRING	DR	G15C-2433-1717	12/06/2011
110		BOWSTRING	DR	G15D-2930-1794	11/04/2011
112		BOWSTRING	DR	G15D-2792-1844	11/01/2011
114		BOWSTRING	DR	G15D-2654-1892	10/13/2011
115		BOWSTRING	DR	G15C-1832-1759	11/23/2011
120		BOWSTRING	DR	G15C-2112-2029	12/02/2011
122		BOWSTRING	DR	G15C-1981-2070	07/21/2011
124		BOWSTRING	DR	G15C-1826-2173	09/19/2011
126		BOWSTRING	DR	G15C-1682-2129	09/23/2011
130		BOWSTRING	DR	G15C-1524-1842	12/16/2011
132		BOWSTRING	DR	G15C-1508-1674	05/01/2012
134		BOWSTRING	DR	G15C-1506-1524	12/05/2011
104		BRENDA	CT	U04C-0162-2407	04/03/2012
107		BRENDA	CT	U04A-0420-2530	11/03/2011
320		BROWNS	LN	M11D-3329-2075	06/25/2012
100		CAMBRIDGE	LN	G15D-2673-1652	09/19/2011
102		CAMBRIDGE	LN	G15D-2545-1568	12/21/2011
103		CAMBRIDGE	LN	G15D-2838-1483	09/27/2011
104		CAMBRIDGE	LN	G15C-2425-1478	10/18/2011
105		CAMBRIDGE	LN	G15D-2721-1391	10/07/2011
106		CAMBRIDGE	LN	G15C-2288-1370	09/14/2011
107		CAMBRIDGE	LN	G15D-2605-1298	12/07/2011
108		CAMBRIDGE	LN	G15C-2005-1159	09/14/2011
109		CAMBRIDGE	LN	G15C-2486-1205	12/27/2011
111		CAMBRIDGE	LN	G15C-2364-1122	12/29/2011
103		CANNON	RD	Q09A-2024-3455	04/12/2012
108		CANNON	RD	Q09A-2174-3950	05/15/2012
110		CANNON	RD	Q09A-2252-4014	04/10/2012
111		CANNON	RD	Q09A-2386-3733	06/07/2012
114		CANNON	RD	Q09A-2320-4070	06/07/2012

<u>STNO</u>	<u>STS</u>	<u>STNAME</u>	<u>SUFFIX</u>	<u>PRCLID</u>	<u>COMPDTM</u>
309		CARYS CHAPEL	RD	W03C-0681-0304	06/20/2012
205		CHAPTICO	RUN	V03C-0500-1605	06/07/2012
309		CHAPTICO	RUN	V03C-0889-1197	12/05/2011
110		CHEADLE POINT	RD	U08C-1974-2388	07/18/2011
110		CHEADLE POINT	RD	U08C-1974-2388	07/14/2011
200		CHEESEMAN	RD	G13B-3665-2594	12/01/2011
304		CHEESEMAN	RD	G13D-3515-2033	03/21/2012
313		CHEESEMAN	RD	G13D-3635-1735	04/17/2012
319		CHEESEMAN	RD	G13D-3435-1669	03/05/2012
321		CHEESEMAN	RD	G13D-3354-1673	04/18/2012
400		CHEESEMAN	RD	G13D-3226-1862	01/05/2012
401		CHEESEMAN	RD	G13D-3215-1681	06/08/2012
403		CHEESEMAN	RD	G13D-3136-1664	04/18/2012
408		COOK	RD	Q09A-1857-3454	05/01/2012
414		COOK	RD	Q09A-1819-3703	04/10/2012
217		COX	DR	R08C-2217-1801	07/19/2011
314		DANDY LOOP	RD	U10D-2822-0858	08/18/2011
300		DARE	RD	S06B-2936-4399	12/05/2011
300		DARE	RD	S06B-2936-4399	11/23/2011
705		DARE	RD	T07D-3067-1471	07/14/2011
809		DARE	RD	T07D-3956-1498	10/14/2011
108		DEALBA	LN	V08A-1114-3895	11/29/2011
103		DOGWOOD	CT	Q09B-4693-3991	05/07/2012
105		DOGWOOD	CT	Q09B-4763-4173	06/04/2012
110		DOGWOOD	CT	Q09B-4380-4461	04/25/2012
112		DOGWOOD	CT	Q09B-4292-4556	04/25/2012
114		DOGWOOD	CT	Q09B-4201-4654	04/26/2012
115		DOGWOOD	CT	Q09B-4389-4849	05/07/2012
201		DOGWOOD	CT	Q09B-4306-4966	05/07/2012
204		DOGWOOD	CT	Q10D-3931-0029	05/14/2012
206		DOGWOOD	CT	Q10D-3835-0202	05/10/2012
208		DOGWOOD	CT	Q10D-3920-0402	06/05/2012
126		DUHANEY	PARK	I12C-0061-1057	06/25/2012
127		DUHANEY	PARK	I12C-0061-1057	06/07/2012
128		DUHANEY	PARK	I12C-0061-1057	04/16/2012
128		DUHANEY	PARK	I12C-0061-1057	06/25/2012
129		DUHANEY	PARK	I12C-0061-1057	06/07/2012
130		DUHANEY	PARK	I12C-0061-1057	06/25/2012
130		DUHANEY	PARK	I12C-0061-1057	04/16/2012
1401		DUNCAN	DR	G13B-3133-3512	02/07/2012
1403		DUNCAN	DR	G13B-3141-3457	04/26/2012
1405		DUNCAN	DR	G13B-3159-3398	04/09/2012
601		EAST ROCHAMBEAU	DR	C20C-1236-0152	06/15/2012
601		EAST ROCHAMBEAU	DR	C20C-1236-0152	01/03/2012
601		EAST ROCHAMBEAU	DR	C20C-1236-0152	12/21/2011
601		EAST ROCHAMBEAU	DR	C20C-1236-0152	11/14/2011
601		EAST ROCHAMBEAU	DR	C20C-1236-0152	12/05/2011
601		EAST ROCHAMBEAU	DR	C20C-1236-0152	01/20/2012
601		EAST ROCHAMBEAU	DR	C20C-1236-0152	01/26/2012
611		ELLA TAYLOR	RD	T05C-0915-1746	06/07/2012
100		EMMA ROSE	CT	G13B-3286-3490	02/24/2012
101		EMMA ROSE	CT	G13B-3235-3655	04/11/2012
102		EMMA ROSE	CT	G13B-3345-3498	05/01/2012
103		EMMA ROSE	CT	G13B-3298-3671	03/05/2012
104		EMMA ROSE	CT	G13B-3387-3543	04/27/2012
105		EMMA ROSE	CT	G13B-3329-3721	06/15/2012
107		EMMA ROSE	CT	G13B-3366-3756	06/15/2012
109		EMMA ROSE	CT	G13B-3402-3802	06/07/2012
124		EMMA ROSE	CT	G13B-3680-3949	04/09/2012
125		EMMA ROSE	CT	G13B-3606-3991	03/05/2012
202		FALCON	RD	Q09A-1697-3951	05/07/2012
204		FALCON	RD	Q09A-1780-4007	04/30/2012
207		FALCON	RD	Q09A-1963-3854	04/19/2012
119		FENTON MILL	RD	D19D-4023-0138	01/13/2012

<u>STNO</u>	<u>STS</u>	<u>STNAME</u>	<u>SUFFIX</u>	<u>PRCLID</u>	<u>COMPDTM</u>
1797	A	FIRST	ST	U01B-3483-4412	06/12/2012
8106		GEO WASH MEM	HWY	Q08B-3996-4541	03/12/2012
201		GLEBE SPRING	LN	T04B-3351-3652	12/22/2011
201		GLEBE SPRING	LN	T04B-3354-2963	12/22/2011
204		GLEBE SPRING	LN	T04B-3962-3458	10/11/2011
173		GOODWIN NECK	RD	R08D-4849-0573	03/05/2012
901		GOOSLEY	RD	O11D-4858-1419	08/02/2011
125		GREENE	DR	Q08D-4453-0415	09/15/2011
125		GREENE	DR	Q08D-4453-0415	10/17/2011
1520		HAMPTON	HWY	T02B-3430-4910	08/31/2011
3019		HAMPTON	HWY	V02A-0949-2760	06/20/2012
3019		HAMPTON	HWY	V02A-1064-2936	06/20/2012
219		HANSFORD	LN	V09C-2433-0335	09/07/2011
226		HANSFORD	LN	V08B-2810-4969	07/18/2011
236		HANSFORD	LN	V09D-3028-0118	12/28/2011
100		HOLLOWAY	DR	G15C-2048-1755	10/28/2011
102		HOLLOWAY	DR	G15C-1887-1618	10/21/2011
103		HOLLOWAY	DR	G15C-2288-1632	10/07/2011
104		HOLLOWAY	DR	G15C-1694-1515	09/30/2011
105		HOLLOWAY	DR	G15C-2172-1538	09/19/2011
106		HOLLOWAY	DR	G15C-1582-1333	08/23/2011
107		HOLLOWAY	DR	G15C-2055-1443	11/30/2011
109		HOLLOWAY	DR	G15C-1941-1347	12/14/2011
111		HOLLOWAY	DR	G15C-1737-1196	10/21/2011
200		HUBBARD	LN	F14D-4496-1455	10/27/2011
200		HUBBARD	LN	F14D-4496-1455	07/26/2011
115		HUNTERS	LN	U08C-1685-0409	02/07/2012
101		KELLY	ST	O11A-0322-4875	12/15/2011
103		KELLY	ST	O11A-0293-4892	12/14/2011
105		KELLY	ST	O11A-0270-4907	12/14/2011
107		KELLY	ST	O11A-0246-4921	12/14/2011
109		KELLY	ST	O11A-0222-4936	12/14/2011
111		KELLY	ST	O11A-0194-4954	12/14/2011
114		KELLY	ST	O12C-0181-0109	09/20/2011
116		KELLY	ST	O12C-0157-0120	09/20/2011
118		KELLY	ST	O12C-0136-0129	09/20/2011
120		KELLY	ST	O12C-0116-0137	09/20/2011
122		KELLY	ST	O12C-0095-0144	09/20/2011
124		KELLY	ST	O12C-0070-0154	10/07/2011
501		LAKESHEAD	DR	G15C-2199-0646	12/20/2011
513		LAKESHEAD	DR	G15D-2556-0635	12/20/2011
1800		LAKESIDE	DR	T06B-3507-3912	06/12/2012
203		LINFOOT	CT	G13D-3377-1584	05/22/2012
205		LINFOOT	CT	G13D-3387-1518	06/08/2012
207		LINFOOT	CT	G13D-3397-1453	03/06/2012
107		LITTLE JOHN	RD	G15D-3226-2193	11/07/2011
110		LITTLE JOHN	RD	G15D-3081-1950	10/07/2011
111		LITTLE JOHN	RD	G15D-2933-2311	12/12/2011
112		LITTLE JOHN	RD	G15D-2933-2002	10/14/2011
113		LITTLE JOHN	RD	G15D-2852-2432	09/16/2011
114		LITTLE JOHN	RD	G15D-2789-2054	12/14/2011
115		LITTLE JOHN	RD	G15D-2561-2378	12/15/2011
116		LITTLE JOHN	RD	G15D-2649-2104	09/08/2011
117		LITTLE JOHN	RD	G15B-2754-2551	01/03/2012
118		LITTLE JOHN	RD	G15D-2510-2155	12/08/2011
119		LITTLE JOHN	RD	G15A-2494-2571	10/28/2011
121		LITTLE JOHN	RD	G15B-2707-2675	08/25/2011
123		LITTLE JOHN	RD	G15A-2435-2744	09/12/2011
124		LITTLE JOHN	RD	G15C-2376-2453	09/30/2011
125		LITTLE JOHN	RD	G15B-2704-2808	11/28/2011
126		LITTLE JOHN	RD	G15C-2053-2324	11/08/2011
127		LITTLE JOHN	RD	G15A-2406-2934	05/30/2012
128		LITTLE JOHN	RD	G15A-2224-2534	10/04/2011
129		LITTLE JOHN	RD	G15B-2704-2956	08/17/2011

<u>STNO</u>	<u>STS</u>	<u>STNAME</u>	<u>SUFFIX</u>	<u>PRCLID</u>	<u>COMPDTM</u>
131		LITTLE JOHN	RD	G15B-2615-3086	11/18/2011
132		LITTLE JOHN	RD	G15C-1889-2455	04/26/2012
134		LITTLE JOHN	RD	G15A-2260-2710	07/28/2011
135		LITTLE JOHN	RD	G15A-2254-3024	10/21/2011
135		LITTLE JOHN	RD	G15A-2254-3024	10/13/2011
137		LITTLE JOHN	RD	G15A-2319-3234	10/26/2011
138		LITTLE JOHN	RD	G15A-2204-2888	12/19/2011
139		LITTLE JOHN	RD	G15A-2121-3305	12/05/2011
140		LITTLE JOHN	RD	G15A-1873-2760	12/29/2011
141		LITTLE JOHN	RD	G15A-1904-3293	10/18/2011
142		LITTLE JOHN	RD	G15A-2094-3040	11/01/2011
144		LITTLE JOHN	RD	G15A-1831-2886	11/22/2011
145		LITTLE JOHN	RD	G15A-1753-3029	11/03/2011
100		LOBLOLLY	CT	Q09B-4745-3737	04/03/2012
101		LOBLOLLY	CT	Q09B-4920-3484	04/18/2012
103		LOBLOLLY	CT	R09A-0039-3573	06/04/2012
106		LOBLOLLY	DR	Q09B-4415-3463	05/01/2012
114		LOBLOLLY	DR	Q09B-4250-3558	04/03/2012
120		LOBLOLLY	DR	Q09B-3976-3873	04/23/2012
126		LOBLOLLY	DR	Q09B-3695-4180	04/05/2012
128		LOBLOLLY	DR	Q09B-3559-4344	05/21/2012
129		LOBLOLLY	DR	Q09B-3348-4118	05/22/2012
133		LOBLOLLY	DR	Q09B-3156-4557	05/21/2012
135		LOBLOLLY	DR	Q09B-3221-4712	06/18/2012
208		LONDONDERRY	LN	C20B-3683-3833	03/08/2012
122		MANHOAC	RUN	U03D-4995-0410	01/13/2012
303		MARKS POND	WAY	C20B-3308-3445	10/07/2011
602		MARKS POND	WAY	C20B-3555-4687	08/23/2011
200		MARL RAVINE	RD	Q09B-4285-3843	05/07/2012
203		MARL RAVINE	RD	Q09B-4380-4128	03/28/2012
206		MARL RAVINE	RD	Q09B-4017-4136	06/06/2012
210		MARL RAVINE	RD	Q09B-3839-4328	04/05/2012
211		MARL RAVINE	RD	Q09B-4032-4506	04/16/2012
301		MARL RAVINE	RD	Q09B-3909-4642	04/17/2012
302		MARL RAVINE	RD	Q09B-3651-4539	04/26/2012
303		MARL RAVINE	RD	Q09B-3826-4732	05/23/2012
311		MARL RAVINE	RD	Q10D-3572-0163	04/06/2012
313		MARL RAVINE	RD	Q10D-3571-0331	04/05/2012
205		MEADOWFIELD	RD	Q08A-1381-4725	02/16/2012
511		MEADOWFIELD	RD	P09D-3958-0318	11/03/2011
105		MISTY	DR	V07A-0829-4492	10/11/2011
227		NELSON	ST	P11B-2737-4302	07/18/2011
107		OAKTREE	RD	D19C-1779-0819	11/14/2011
305		OLD LAKESIDE	DR	T06A-1911-4110	01/19/2012
305		OLD LAKESIDE	DR	T06A-1911-4110	02/22/2012
6292	A	OLD MOORETOWN	RD	B19D-2605-1188	01/26/2012
207		OLD TAYLOR	RD	C18A-1568-2823	06/25/2012
1916		OLD WILLIAMSBURG	RD	M11B-4947-3371	04/03/2012
901		OLD WORMLEY CREEK	RD	R09B-3740-3326	03/09/2012
416		OLD YORK-HAMPTON	HWY	R08C-1443-1443	09/14/2011
1711		OLD YORK-HAMPTON	HWY	Q09D-3573-2205	01/26/2012
1713		OLD YORK-HAMPTON	HWY	Q09B-3740-2560	06/05/2012
1801		OLD YORK-HAMPTON	HWY	Q09B-3677-2627	06/05/2012
1807		OLD YORK-HAMPTON	HWY	Q09B-3585-2728	06/05/2012
1907		OLD YORK-HAMPTON	HWY	Q09B-3520-3536	06/13/2012
1911		OLD YORK-HAMPTON	HWY	Q09B-3448-3604	04/18/2012
2009		OLD YORK-HAMPTON	HWY	Q09B-3046-3757	04/30/2012
2019		OLD YORK-HAMPTON	HWY	Q09B-2557-3549	05/15/2012
2115		OLD YORK-HAMPTON	HWY	Q09A-2429-4161	06/07/2012
2200		OLD YORK-HAMPTON	HWY	Q09B-2608-4472	06/05/2012
2207		OLD YORK-HAMPTON	HWY	Q09A-2153-4355	04/30/2012
2211		OLD YORK-HAMPTON	HWY	Q09A-2061-4413	05/02/2012
2212		OLD YORK-HAMPTON	HWY	Q09A-2272-4699	04/11/2012
2215		OLD YORK-HAMPTON	HWY	Q09A-1974-4479	06/22/2012

<u>STNO</u>	<u>STS</u>	<u>STNAME</u>	<u>SUFFIX</u>	<u>PRCLID</u>	<u>COMPDTM</u>
2313		OLD YORK-HAMPTON	HWY	Q09A-1520-4704	06/06/2012
116		PARKER	LN	T09B-3884-3312	11/08/2011
101		PARRISH CHURCH	LN	T04D-3725-2288	05/03/2012
1000		PENNIMAN	RD	G14C-1003-0578	09/20/2011
1574	C	PENNIMAN	RD	H14D-2832-1664	11/18/2011
108		PLEASANT DALE	LN	T04B-3653-2527	07/14/2011
208		PRESSON	RD	V08A-1936-2598	07/12/2011
212		PRESSON	RD	V08A-1797-2550	10/14/2011
212	A	PRESSON	RD	V08A-1797-2550	10/14/2011
212	B	PRESSON	RD	V08A-1797-2550	10/14/2011
212	C	PRESSON	RD	V08A-1797-2550	10/14/2011
300	17	PRESSON	RD	V08C-1559-2417	07/11/2011
300	3	PRESSON	RD	V08C-1559-2417	07/11/2011
300	5	PRESSON	RD	V08C-1559-2417	07/11/2011
300	6	PRESSON	RD	V08C-2086-2295	07/25/2011
300	6	PRESSON	RD	V08C-1559-2417	07/25/2011
108		QUAKER MTNG HOUSE	RD	C21C-1616-0044	01/04/2012
313	A	RAILWAY	RD	T07B-4759-2873	03/14/2012
313	A	RAILWAY	RD	T07B-4560-4684	03/14/2012
121		RUSSELL	LN	U02C-0729-2223	08/09/2011
104		SALLY'S	WAY	T07D-4213-0506	08/18/2011
3315		SEAFORD	RD	V08A-0693-4662	10/14/2011
3801		SEAFORD	RD	V08A-2068-4515	09/22/2011
102		SEVEN HOLLYS	DR	U07A-2199-4229	04/04/2012
102		SHOREHAM	LN	G15D-3040-1398	10/17/2011
103		SHOREHAM	LN	G15D-3306-1313	10/11/2011
104		SHOREHAM	LN	G15D-2923-1305	11/10/2011
105		SHOREHAM	LN	G15D-3186-1219	10/24/2011
106		SHOREHAM	LN	G15D-2817-1200	11/10/2011
107		SHOREHAM	LN	G15D-3069-1115	11/10/2011
109		SHOREHAM	LN	G15D-2966-1001	10/17/2011
110		SHOREHAM	LN	G15D-2534-0962	12/12/2011
111		SHOREHAM	LN	G15D-2805-0891	01/18/2012
1008		SHOWALTER	RD	T05C-1653-2341	06/01/2012
121		SLEEPY HOLLOW	LN	S07A-0456-4984	09/09/2011
123		SLEEPY HOLLOW	LN	S07A-0381-4913	12/15/2011
301		SMOOTS	LN	V08A-0636-3512	01/31/2012
304		SONSHINE	WAY	M10B-2734-4679	06/11/2012
105		SOUTH SHANNON	DR	T03B-2978-4450	10/05/2011
408		SPIVEY	LN	V08D-2989-0861	01/10/2012
201		STILLWATER	LN	U10C-0735-0864	06/12/2012
301		TABB	LN	T03A-2265-4377	11/16/2011
304		TABB	LN	T03B-2519-4577	12/21/2011
613		TALIAFERRO	RD	M10A-1702-4019	07/06/2011
615		TALIAFERRO	RD	M10A-1640-4065	07/14/2011
616		TALIAFERRO	RD	M10A-1697-4253	02/08/2012
102		TAYLOR FARM	LN	T04D-4510-1777	04/25/2012
399	Z	TRANQUILITY	DR	I14C-0601-1017	05/22/2012
399	Z	TRANQUILITY	DR	I14C-0601-1017	05/17/2012
399	Z	TRANQUILITY	DR	I14C-0601-1017	05/23/2012
2007		VICTORY	BLVD	U03B-2581-4010	05/31/2012
2013		VICTORY	BLVD	U03B-2531-4005	12/02/2011
540		WATER	ST	P12D-3237-0683	04/06/2012
111		WILDEY	RD	V08A-2406-4139	02/23/2012
114		WILDEY	RD	V08A-2045-4088	08/05/2011
115		WILDEY	RD	V08A-2336-4033	12/20/2011
117		WILDEY	RD	V08B-2542-4057	12/20/2011
119		WILDEY	RD	V08A-2477-3941	12/20/2011
121		WILDEY	RD	V08A-2477-3941	12/20/2011
503		WILDEY	RD	V08D-2775-1952	01/17/2012
507		WILDEY	RD	V08D-2876-1716	09/07/2011
512		WILDEY	RD	V08C-2272-1738	09/07/2011
601		WILDEY	RD	V08D-2545-1818	12/07/2011
602		WILDEY	RD	V08C-2384-1648	10/18/2011

<u>STNO</u>	<u>STS</u>	<u>STNAME</u>	<u>SUFFIX</u>	<u>PRCLID</u>	<u>COMPDTM</u>
603		WILDEY	RD	V08D-2631-1709	07/25/2011
609		WILDEY	RD	V08D-2729-1584	07/25/2011
611		WILDEY	RD	V08D-2812-1459	07/25/2011
1010		WORMLEY CREEK	DR	R10D-2792-2162	07/01/2011
128		YORK POINT	DR	W07A-1433-4292	10/11/2011
105		YORKSHIRE	DR	S04D-4053-0993	02/15/2012
501		YORKTOWN	RD	T04C-1636-1270	11/21/2011

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E & S Data
York County
 Jul 2011 to Jun 2012

Approved E&S Plans

TOTAL: 9

	HUC Codes											Total	
	CB21	CB22	JL28	JL31	JL34	JL35	JL38	YO65	YO66	YO67	YO68		YO69
July, 2011										1			1
August, 2011	1												1
September, 2011		1					1	1		1			4
October, 2011													
November, 2011													
December, 2011	1												1
January, 2012	1												1
February, 2012													
March, 2012													
April, 2012													
May, 2012													
June, 2012						1							1
HUC Totals:	3	1				1	1	1		2			9

Disturbed Acres on Approved E&S Plans

TOTAL: 59.45

	HUC Codes											Total	
	CB21	CB22	JL28	JL31	JL34	JL35	JL38	YO65	YO66	YO67	YO68		YO69
July, 2011										9			9



E & S Data
York County
 Jul 2011 to Jun 2012

	CB21	CB22	JL28	JL31	JL34	JL35	JL38	YO65	YO66	YO67	YO68	YO69	Total
August, 2011	26												26
September, 2011		0.5					0.25	0.25		0.25			1.25
October, 2011													
November, 2011													
December, 2011	0.2												0.2
January, 2012	17												17
February, 2012													
March, 2012													
April, 2012													
May, 2012													
June, 2012						6							6
HUC Totals:	43.2	0.5				6	0.25	0.25		9.25			59.45

E&S Inspections

TOTAL: 210

HUC Codes

	CB21	CB22	JL28	JL31	JL34	JL35	JL38	YO65	YO66	YO67	YO68	YO69	Total
July, 2011										30			30
August, 2011	28												28
September, 2011		26					26	26		26			104
October, 2011													
November, 2011													
December, 2011	20												20



E & S Data
York County
 Jul 2011 to Jun 2012

	CB21	CB22	JL28	JL31	JL34	JL35	JL38	YO65	YO66	YO67	YO68	YO69	Total
January, 2012	20												20
February, 2012													
March, 2012													
April, 2012													
May, 2012													
June, 2012						8							8
HUC Totals:	68	26				8	26	26		56			210

E&S Enforcement Actions

TOTAL: 0

	HUC Codes												
	CB21	CB22	JL28	JL31	JL34	JL35	JL38	YO65	YO66	YO67	YO68	YO69	Total
July, 2011										0			0
August, 2011	0												0
September, 2011		0					0	0		0			0
October, 2011													
November, 2011													
December, 2011	0												0
January, 2012	0												0
February, 2012													
March, 2012													
April, 2012													
May, 2012													



E & S Data
York County
Jul 2011 to Jun 2012

	CB21	CB22	JL28	JL31	JL34	JL35	JL38	YO65	YO66	YO67	YO68	YO69	Total
June, 2012						0							0
HUC Totals:	0	0				0	0	0		0			0

Inspection Request Line: 890-3910

Building Regulation Office: 890-3522
 Utilities Division,
 (757)890-3752

Service Request Summary**Report Date** 09/19/2012 11:02 AM**Submitted By**

Page 1

Search Criteria

Search Style Match **Sort By** Serv # Ascend **Service Req Status** ALL

Problem ES **Show Linked****Problem** 07/01/2011 00:00 To 06/30/2012 23:59**Service Request Summary**

Service # 68963	Problem ES	Link # 1	Priority 4	A/P Attached N	Problem Date 08/04/2011 10:03
Address 102 MIDDLEWOOD LN			Taken By WEB	Project	Scheduled Date
Cross Street			Responsibility UTAD	Source WEB	Start Date
Cross Street					Inspection Date
Name HAAS			Map #	Resolve Code RES	Resolve Date 08/09/2011 10:36
Location LAKESIDE FORREST					

Service # 69522	Problem ES	Link # 1	Priority	A/P Attached N	Problem Date 08/24/2011 09:00
Address 517 BRENTMEADE DR			Taken By VG	Project	Scheduled Date
Cross Street			Responsibility UTAD	Source	Start Date
Cross Street					Inspection Date
Name BUCKLEW			Map #	Resolve Code RES	Resolve Date 08/24/2011 10:00
Location WYTHE CREEK FARMS					

Service # 69595	Problem ES	Link # 1	Priority 4	A/P Attached N	Problem Date 08/29/2011 06:14
Address 102 MIDDLEWOOD LN			Taken By WEB	Project	Scheduled Date
Cross Street			Responsibility UTAD	Source WEB	Start Date
Cross Street					Inspection Date
Name HAAS			Map #	Resolve Code RC	Resolve Date 10/14/2011 09:54
Location LAKESIDE FORREST					

Service # 70149	Problem ES	Link # 1	Priority 4	A/P Attached N	Problem Date 09/19/2011 18:32
Address 126 VIRGINIA LN			Taken By WEB	Project	Scheduled Date
Cross Street			Responsibility UTAD	Source WEB	Start Date
Cross Street					Inspection Date
Name SMITH			Map #	Resolve Code	Resolve Date
Location					

Service # 70650	Problem ES	Link # 1	Priority 4	A/P Attached N	Problem Date 10/12/2011 12:58
Address 208 BEECHWOOD LN			Taken By WEB	Project	Scheduled Date
Cross Street			Responsibility UTAD	Source WEB	Start Date
Cross Street					Inspection Date
Name RIESBECK			Map #	Resolve Code RES	Resolve Date 10/12/2011 16:30
Location SHADY BANKS					

Report Date 09/19/2012 11:02 AM

Submitted By

Page 2

Service Request Summary

Service # 70736	Problem ES	Link # 1	Priority	A/P Attached N	Problem Date 10/18/2011 11:58
Address			Taken By MEH	Project	Scheduled Date 10/18/2011 12:00
Cross Street			Responsibility UTAD	Source	Start Date
Cross Street					Inspection Date
Name MILLER			Map #	Resolve Code	Resolve Date
Location					

Service # 70821	Problem ES	Link # 1	Priority	A/P Attached N	Problem Date 10/24/2011 12:34
Address 102 MILITIA CT			Taken By HNKL	Project	Scheduled Date
Cross Street			Responsibility UTAD	Source CUST	Start Date
Cross Street					Inspection Date
Name NELMS			Map #	Resolve Code RC	Resolve Date 10/27/2011 10:10
Location PATRIOT VILLAGE					

Service # 70962	Problem ES	Link # 1	Priority 4	A/P Attached N	Problem Date 10/31/2011 17:00
Address 109 WORNOM DR			Taken By WEB	Project	Scheduled Date
Cross Street			Responsibility UTAD	Source WEB	Start Date
Cross Street					Inspection Date
Name OWENS			Map #	Resolve Code RES	Resolve Date 08/27/2012 11:08
Location ESTERBROOK					

Service # 72253	Problem ES	Link # 1	Priority	A/P Attached N	Problem Date 01/17/2012 11:04
Address 204 TIDES RUN			Taken By MMCEL	Project	Scheduled Date
Cross Street			Responsibility UTAD	Source CUST	Start Date
Cross Street					Inspection Date
Name GRAMES			Map #	Resolve Code RC	Resolve Date 01/19/2012 10:23
Location TABB					

Service # 73010	Problem ES	Link # 1	Priority	A/P Attached N	Problem Date 02/29/2012 12:49
Address 2001 WOLF TRAP RD			Taken By MMCEL	Project	Scheduled Date
Cross Street			Responsibility UTAD	Source CUST	Start Date
Cross Street					Inspection Date
Name			Map #	Resolve Code	Resolve Date
Location GRAFTON					

YORK COUNTY BMP INSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmflnspectionId	Forbay	Inlets	Outlets
Ebby's Auto Painting	201000126	BMP located at rear corner of property.	2/9/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5393	Sat	Sat	NA - No designated outlet.
James York Plaza 2	200700976	Two filteras and one detention basin at front corner of property along Rt. 143. Unsatisfactory inspection; will reinspect in 30 days.	2/9/2012	Leah Aguilar	Yes	Detention Basin	1	5390	NA	Unsat - Remove sediment buildup to allow water to flow into basin. Remove tree limbs and debris.	Unsat - Currently covered with protection due to construction activities. Will need to be removed at project completion. Also remove debris from area.
James York Plaza 2	200400193 A	Filtera. Inspection unsatisfactory. Reinspection in 30 days.	2/9/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	5391	NA	Unsat - Inlet completely clogged with leaves/debris.	NA
James York Plaza 2	200400193 B	Filtera. Unsatisfactory inspection. Will reinspect in 30 days.	2/9/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	5392	NA	Unsat - Inlet completely clogged with leaves/debris. Needs to be cleaned out.	NA
Skimino Fire Station	C20d-4032-2444	Will inspect every 6 months.	2/9/2012	Leah Aguilar	Yes	Detention Basin	1	5395	NA	Unsat - Inflow pipe that runs under entry road into grassed swale is almost completely clogged with leaves/sediment. The area in and around both ends of this pipe needs to be cleaned out.	Sat - Minimal litter in area.
York County Schools - Magruder Elementary School	200800173	Outlet drain is located outside of school fencing between school and shopping center. Need to confirm who is responsible for maintenance of outlet drain. Will reinspect every six months.	2/9/2012	Leah Aguilar	No	General Infiltration Practices	0	5387	NA	Sat	Unsat - Outlet drain completely covered in leaves/debris. See note above.
York County Schools-Queens Lake Middle School Additions	F15d-4665-2009	Reinspect in 6 months.	2/9/2012	Leah Aguilar	Yes	General Infiltration Practices	1	5570	NA	Sat	Sat
York County Firestation #4	O11d-4858-1419	This is a fairly new BMP	2/10/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5467	NA	Sat	Unsat - Outfall at rear corner has erosion around pipe and bare spots (pic)
York County Firestation #6	T09a-0313-3559	This detention pond has two sediment forebays and two emergency spillways.	2/10/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5464	Sat	Unsat - Some inlet pipes blocked by leaves/debris that need to be cleaned out	Sat
York County Schools - Grafton High School Bus Parking Lot	200900005	Ok to remove silt fencing from perimeter - construction complete	2/10/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5470	Sat	Sat	Sat
York County Schools - Yorktown Elementary School	200900019		2/10/2012	Leah Aguilar	No	Extended Detention Basin	0	5468	NA	Sat	Unsat - Outflow pipe from basin is sitting at a low point-water is trapped. Need grading.
York County Schools - Yorktown Elementary School	200900019		2/10/2012	Leah Aguilar	No	Grassed Swale	0	5469		NA	Sat
York County Schools - Yorktown Middle School	200601157 C	Reinspect in 6 months	2/10/2012	Leah Aguilar	No	Retention Basin	0	5466	Sat	Unsat - Tree has fallen over inflow pipe. Evidence of erosion and bare spots on embankment around inlet.	NA - See prin spillway
York County Schools-Grafton Bethel Elementary School	S05b-4398-3831	There are 3 BMPs on property. There is a detention basin near the tennis court and another near the playground at front of school (cul de sac). There is also a detention basin/mini wetland area beside baseball field. Inspection every 6 months.	2/10/2012	Leah Aguilar	Yes	Detention Basin	1	5465	NA	Unsat - Det. Basin at front of property by playground/cul de sac is clogged with leaves and sediment.	Sat
York County Schools-Grafton Bethel Elementary School	S05b-4398-3831	Pics on file.	2/10/2012	Leah Aguilar	Yes	Detention Basin	1	5503	NA	Unsat - Clogged with leaves/sediment	Sat
York County Schools - Tabb HS	199900001	Drainage structure in main basin needs repair - Jeff has seen issue and will coordinate repairs. Photos of site can be found at S:/stormwater division/drainage pics/BMPs/York County BMPs/Tabb High	2/13/2012	Leah Aguilar	Yes	Detention Basin	1	5492	NA	Unsat - Standing water at inlets due to debris/sediment buildup. Needs removal.	Unsat - Water cannot drain from basin due to sediment/debris build-up and damaged drainage structure. Excessive erosion around drainage structure.
Northside Church of Christ	200700856	Inspection conducted while on site visit to look over plans for proposed teen center. Did not notify owner prior to visit. Will reinspect in 30 days. Letter sent on 2/15/12 to notify owner of maintenance issues. Photos of property are located in S:/StormwaterDivision/DrainagePics/BMPS/Northside Christian.	2/14/2012	Leah Aguilar	Yes	Retention Basin	1	5473	NA	Unsat - Inlets clogged with leaves/debris/sediment	Unsat - Outlet pipe from second pond completely blocked by piece of plywood
York County Courthouse	1997-01	Photos on file in S:/Stormwater Division/Drainage Pics/BMPs....	2/14/2012	Leah Aguilar	Yes	Detention Basin	1	5495	NA	Unsat - A lot of leaves/debris around inlet. Several fallen trees at inlet.	Sat

YORK COUNTY BMP INSPECTIONS FY 2012

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Ebby's Auto Painting	NA	Unsat - Remove leaves & debris.	Unsat - Side slopes OK; remove debris buildup around pipe in middle of main basin.	Sat - Note that there is a tree fallen that has damaged one fence board.	Sat	Unsat - Pipe in middle of basin is exposed. Should be surrounded with stone per plans.		Sat
James York Plaza 2	NA - See outlet notes.	NA	Unsat - Remove concrete piping, tree limbs and debris.	NA	Unsat - Evidence of erosion and low spots around inflow and along sides (water flow from parking lot).	Sat		Unsat - Mowing and leaf pickup required. Grass to be 3-6" long.
James York Plaza 2				NA		Sat	NA	Unsat
James York Plaza 2				NA		Sat	NA	Unsat
Skimino Fire Station	Sat	Sat - Some leaves/debris around area.	Sat	NA	Sat	Sat		Sat - Noted above.
York County Schools - Magruder Elementary School	NA	NA		NA	NA	NA	NA	Sat
York County Schools-Queens Lake Middle School Additions	NA	NA		NA	Unsat - Some erosion along sides of grassed swales near baseball diamond. Bare spots need seeding.	Sat	NA	Unsat - Remove leaves/debris from outlet grate of paved swale.
York County Firestation #4	Sat	NA	Sat	NA	Sat - Some clear spots but overall OK - may need seeding in spring	Sat		Sat
York County Firestation #6	Sat	Sat - Some leaves/debris present	Sat	Unsat	Unsat - Erosion and bare spots around forebay and basin need to be corrected	Sat		Sat
York County Schools - Grafton High School Bus Parking Lot	NA	NA	Sat	NA	Sat - Some bare spots may need seeding in spring	Sat		Sat
York County Schools - Yorktown Elementary School	NA	NA	Sat	NA	Sat	Sat		Sat
York County Schools - Yorktown Elementary School				NA	Sat		NA	Sat
York County Schools - Yorktown Middle School	Unsat - Outlet drain completely covered in debris	NA	Sat	NA	Sat - There are some bare spots around top of embankment	Sat		Sat - Issues already noted
York County Schools-Grafton Bethel Elementary School	NA	NA	NA	NA	Sat - There are a few bare spots that may need seeding in spring.	Unsat - Inlet pipes to detention basins near tennis court and front playground are cracking.		Sat - Pick up trash at inlet to wetland area detention basin.
York County Schools-Grafton Bethel Elementary School	NA	NA	NA	NA	Sat - Minimal bare patches may need seeding	Unsat - Blue inlet pipe cracking (front basin). Inlet pipe cracking at pond by tennis court		Sat
York County Schools - Tabb HS	Unsat - Standing water (and a lot of algae) present due to grade of outlet area-water cannot flow out. Area needs grading.	Sat	Sat - Main basin does have a lot of leaves/debris	NA	Sat - Little/no ground cover along new principal spillway. Will need to check again in summer to make sure it is growing.	Unsat - Drainage structure in main basin is falling over and corroded. Will need replacement.		Unsat - Remove trash around perimeter of main basin/entrance swales
Northside Church of Christ	Unsat - blocked with debris	NA	Unsat - Side slopes covered with woody veg. Unable to get clear access to ponds to see basin bottom at this time.	NA	Unsat - Overgrown with woody veg. Erosion all around.	Sat		Unsat - Appears as if no routine maint has been conducted. Needs mowing, bushwhacking and trash removal.
York County Courthouse	NA	NA	Sat	NA	Sat - One area of erosion. A lot of woody veg on courthouse side. Several trees have fallen or will fall into BMP.	Sat		Unsat - Leaf removal and fallen tree removal

YORK COUNTY BMP INSPECTIONS FY 2012

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Ebby's Auto Painting	Sat	Unsat - Wetland fringe has been chopped down. This vegetation is to remain at perimeter of pond; does not need mowing.	Unsat - Debris around pipe already noted above reducing storage.	NA - Already noted.	Sat	NA	Sat	Sat
James York Plaza 2	NA	Sat	Unsat - Concrete piping in basin affecting volume.	NA - Already noted above.	NA	NA	NA	Sat
James York Plaza 2	NA	Sat	NA	NA - Already noted for inlet.	NA	NA		
James York Plaza 2	NA	Sat	NA	NA - Already noted above.	NA	NA		
Skimino Fire Station	NA	Sat	Sat	NA	NA	NA	Sat	Sat
York County Schools - Magruder Elementary School		Sat	NA	Sat	NA	NA		
York County Schools-Queens Lake Middle School Additions		Sat	NA	Sat	Sat	Unsat - Remove 2 Christmas trees from swale at corner of soccer field.		
York County Firestation #4	NA	Sat	Sat	Sat	Sat	NA	Sat	Sat - Note to watch veg in spring to make sure it is growing properly
York County Firestation #6	NA	Sat - Bare spots already noted	Sat	Sat	NA	NA	Sat	Sat
York County Schools - Grafton High School Bus Parking Lot	Sat	Sat	Sat - Note that there is a broken off sign post with concrete laying in bottom of basin (no sig. effect on volume)	Sat	Sat	NA	Sat	Sat
York County Schools - Yorktown Elementary School	NA	Sat	Sat	Sat	Sat	NA	Sat	Sat
York County Schools - Yorktown Elementary School		Sat		Sat	Sat	Sat		
York County Schools - Yorktown Middle School	Sat	Unsat - Wetland fringe has been mowed down - this should not be mowed	Sat - Note that there is a tree in the bottom of pond but it does not seem to have a very sig. effect on storage volume	Sat	Sat	Unsat - The inlet pipe to the grassed swale adjacent to pond has vegetation growing inside of it that needs to be removed.	NA	Sat
York County Schools-Grafton Bethel Elementary School	NA	Sat	NA	NA - Already noted.	Sat	NA	Sat	Sat
York County Schools-Grafton Bethel Elementary School	NA	Sat	NA	NA - Already noted	Sat	NA	Sat	Sat
York County Schools - Tabb HS	Unsat - Excessive algae along bottom of outlet area due to slow moving water	Sat - Some woody shrubs coming in will need watching	Sat	NA - already noted	Unsat - Already noted above	Unsat - Remove silt fencing around perimeter	Sat	Sat
Northside Church of Christ	NA - Unable to evaluate at this time.	Unsat - Presence of undesirable veg all around structure.	NA - Unable to evaluate at this time due to access.	NA - Already noted above	Sat	NA	Unsat - Trees have taken over wetland bench area.	Unsat - Undesireable veg. present
York County Courthouse	Sat	Sat - Issues previously noted	Unsat - Amount of leaves in basin has reduced storage basin.	NA - Already noted	Sat - Note that this is supposed to be a detention pond but it is retaining a perm pool of water	NA	Sat	Sat

YORK COUNTY BMP INSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
York County H-1 Regional BMP	200900000	No clear inlet to pond is defined (per plan). Pond entry is actually a water bypass from a drainage pipe. Pictures of site on file on S drive	2/14/2012	Leah Aguilar	Yes	Retention Basin	1	5494	Sat - Appears water is flowing out of sediment forebay into adjacent woods rather than in	Sat	Sat
York County Schools - Bruton HS	200400001	Reinspect in 6 months	2/15/2012	Leah Aguilar	Yes	Detention Basin	1	5493	NA	Sat	Sat
York County Operations Center	201100000	Pond requires improvements to drainage structure to allow for inspection/maintenance. Jeff/Connie aware. SWM to build up embankment along ditch at pond inlet to ensure that water does not flow into SB Cox site. Photos on file in S:/Stormwater Division/Drainage Pics/BMPs....	2/16/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5496	NA	Sat - Note-may have some obstruction of pipe on ditch side	Unsat - Outlet pipe may be obstructed or not large enough; water flowing out too slowly
York County Schools - Dare Elementary School	200800117	Photos on file in S:/Stormwater Division/Drainage Pics/BMPs....	2/16/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	5497	NA	Sat	Sat
York County Schools-Mt. Vernon Elementary Building Addition	T04a-1221-3035		2/16/2012	Leah Aguilar	Yes	Grassed Swale	1	5498		Sat	Sat
York County Sports Field Complex	200900093-A	Photos on file in S:/Stormwater Division/Drainage Pics/BMPs....	2/16/2012	Leah Aguilar	Yes	Retention Basin	1	5499	Sat - Note cattails in/around area	Sat	Sat
York County Sports Field Complex	200900093-B		2/16/2012	Leah Aguilar	Yes	Retention Basin	1	5500	Sat	Sat	Sat
York County Sports Field Complex	200900093-C		2/16/2012	Leah Aguilar	Yes	Retention Basin	1	5501	Sat - Note: riprap separator is underwater. May need to add more.	Sat	Sat
York County Sports Field Complex	200900093-D	Adjacent to baseball field 3. Find out what kind of fertilizer is being used and how much is acceptable. Photos on file in S:/Stormwater Division/Drainage Pics/BMPs....	2/16/2012	Leah Aguilar	Yes	Retention Basin	1	5502	Sat - Trash/debris built up along riprap; will eventually need removal	Sat	Unsat - Drain covered in debris (I removed it)
York County Schools - York High School Field House	200600793		2/17/2012	Leah Aguilar	Yes	Detention Basin	1	5515	NA	NA	Sat
Yorkshire Downs Phase 4B	V02d-4842-2423	Pond A	2/21/2012	Leah Aguilar	Yes	Retention Basin	1	5522	NA	Sat	Sat - No debris at outlet structure
Yorkshire Downs Phase 4B	V02d-3357-2020	Pond B	2/21/2012	Leah Aguilar	Yes	Retention Basin	1	5526	NA	Sat	Unsat - Tree limbs, leaves, debris and some sediment buildup around outlet pipe (pipe is still functional). Caretakers to remove tree limbs/debris from area during regular pond maintenance.
Lakes at Dare Sec 1	U07a-0420-2757	Lake B. Pics on file in S drive in drainage pics folder.	2/23/2012	Leah Aguilar	Yes	Retention Basin	1	5546	NA	Sat - Some leaf debris build up but still operational	Sat
Lakes at Dare Sec 1	U07a-1646-2783	Lake C	2/23/2012	Leah Aguilar	Yes	Retention Basin	1	5547	Sat	Unsat - Leaves/debris built up at inlet from pond B and at corner	Sat
Lakes at Dare Sec 1	U07a-0267-2508	Lake D	2/23/2012	Leah Aguilar	Yes	Retention Basin	1	5548	NA	Sat	Sat
Lakes at Dare Sec 1	U07d-2630-2251	Lakes D and E - 2 separate basins	2/23/2012	Leah Aguilar	Yes	Retention Basin	1	5549	NA	Sat	Sat
Lakes at Dare Sec. 6	200200233	Lake H	2/23/2012	Aguilar	Yes	Retention Basin	1	5550	NA	Sat	Sat
Lakes at Dare Sec. 6	U06b-2863-4906	Lake I	2/23/2012	Aguilar	Yes	Retention Basin	1	5551	NA	Sat	Sat
Victory Industrial Park	R08c-2343-0012	No SWM agreement on file. Pics on file in S:/Stormwater Division/Drainage Pics/BMPs/Victory Industrial Park	2/23/2012	Leah Aguilar	Yes	Retention Basin	1	5543	NA	Unsat - Almost all inlets clogged with debris/sediment. Piping behind Spain Inc is so clogged that pipes are almost completely full. Need to locate source of heavy sediment inflow and eliminate it.	Unsat - Clean outlet areas of leaves/debris and sediment.
Victory Industrial Park	R07b-2764-4095	Pictures on file in S://STORMWATER DIVISION/Drainage Pics/BMPs	2/24/2012	Aguilar	Yes	Detention Basin	1	5567	NA	Sat	Sat

YORK COUNTY BMP NSPECTIONS FY 2012

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
York County H-1 Regional BMP	NA	Sat	Sat	Sat	Sat	Sat		Sat
York County Schools - Bruton HS	Sat	Sat	Sat	Sat - Note that there is an erosion spot on embankment where it is possible to crawl under fence	Sat - Some erosion under fence but embankment appears stable	Sat		Sat
York County Operations Center	Sat	Sat	Sat	NA	Sat	Sat		Sat
York County Schools - Dare Elementary School	NA	NA		NA	NA	Sat	NA	Unsat - Remove all leaves/debris from inlets/outlets
York County Schools-Mt. Vernon Elementary Building Addition				NA	Sat - Note that there is some erosion at timber check dam (pic) and entire tree root here is exposed.		NA	Sat
York County Sports Field Complex	Sat	NA	Sat	Sat	Sat - Some erosion on left side of forebay (facing pond). May need reseeding.	Sat		Sat
York County Sports Field Complex	Sat	NA	Sat	Sat	Sat	Sat		Sat
York County Sports Field Complex	Sat	NA	Sat	Sat	Sat - Note: veg sparse in some areas, may need seeding in spring	Sat		Sat
York County Sports Field Complex	NA	Sat	NA - Could not see due to algal blooms	Sat	Sat	Sat		Sat
York County Schools - York High School Field House	NA	NA	Sat	Sat	Sat	NA		Sat
Yorkshire Downs Phase 4B	Unsat - Vegetation has grown up around outlet area. There is sediment buildup in the area causing slow water flow and resulting standing water in channel. Owner/manager will remove vegetation from area and possibly remove sediment to remove water flow through. Water is still draining.	NA	Sat	NA	Sat - Note that woody veg is being cut down at about 1 ft. high.	Sat		Sat - There is a bicycle and tire in pond that will be removed by caretakers.
Yorkshire Downs Phase 4B	NA	Sat	Sat	Sat - Signage satisfactory	Sat - Note that there is no wetland fringe or vegetated buffer present at this pond. HOA manager considering leaving unmowed strip around shore filter runoff into pond. There is no sign of erosion present.	Sat		Sat - issues already noted
Lakes at Dare Sec 1	Sat	NA	Sat	Sat	Sat	Sat		Sat
Lakes at Dare Sec 1	Sat	NA	Sat - Note that there are trees (pines) present along slopes at rear of pond all the water to water	Sat	Sat	Sat		Sat
Lakes at Dare Sec 1	Sat	NA	Sat	Sat	Sat	Sat		Sat
Lakes at Dare Sec 1	Sat	NA	Sat	Sat	Sat	Sat		Sat
Lakes at Dare Sec. 6	Sat	NA	Sat	Sat	Sat	Sat		Sat
Lakes at Dare Sec. 6	Sat	NA	Sat	Sat	Sat	Sat		Sat
Victory Industrial Park	Unsat	NA	Unsat - Trees have moved completely in to side slopes.	NA	Unsat - Woody veg all around-area completely overgrown. Full of leaves/debris/trash.	Sat		Unsat - Does not appear as if any maintenance has occurred. Area has not been mowed and woody veg has invaded. No vegetated buffer around pond is being properly maintained.
Victory Industrial Park	Sat	NA	Sat - Woody vegetation (pines) coming in that should be removed	NA	Sat	NA		Unsat - Basin requires mowing/bushhog

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
York County H-1 Regional BMP	Sat - Note: algal blooms in forebay	Sat - All wetland fringe trees dead - may need replanting. Some wetland fringe has been cut down.	Sat - Note that there is a large pipe lying in basin of second pond in series; unsure of size/effect.	Sat	Sat	Unsat - Silt fence has come down in some areas around sediment pile allowing sediment to wash into pond.	Sat	Sat - A little sparse
York County Schools - Bruton HS	NA	Sat	Sat	Sat	NA	NA	Sat	Sat
York County Operations Center	Sat	Sat	Unsat - Pond is remaining at high level because it is not draining quickly enough. Still draining days after rain event.	Sat	Unsat - Water standing in adjacent ditch due to drainage issue with main basin.	NA	Sat	Sat
York County Schools - Dare Elementary School		Unsat - there is no ground cover near swale at basketball court allowing for erosion-will need seeding	NA	NA	Sat	NA		
York County Schools-Mt. Vernon Elementary Building Addition		Sat		Sat	Sat	NA		
York County Sports Field Complex	Sat	Sat - Wetland fringe grasses have been cut down	Sat	Sat	NA	NA	Sat	Sat
York County Sports Field Complex	Sat - Note there is a lot of algae present	Sat	Sat	Sat	NA	Sat	Sat	Sat
York County Sports Field Complex	Sat	Sat	Sat - Note: water level is higher than other ponds because pond is draining slowly. There may be an obstruction of outlet pipe	Sat	NA	Sat	Sat	Sat
York County Sports Field Complex	Unsat - Excessive algae present - possibly due to fertilizer used on baseball field (grass is green in winter)	Sat	Sat	Sat	Sat	Sat	Sat	Sat
York County Schools - York High School Field House	NA	Sat	NA	Sat	NA	NA	Sat	Sat
Yorkshire Downs Phase 4B	Sat	Sat	Sat	NA - already noted	Sat - drainage issue already noted at outlet	NA	Sat - aquatic bench is being maintained around part of the pond perimeter	Sat
Yorkshire Downs Phase 4B	Sat - Note that there is algae present around perimeter of pond between 2-8 feet in (possibly because of fertilizer running directly into pond due to lack of wetland fringe/buffer around pond)	Sat - issues already noted	Sat	Sat - already noted	Sat	NA	Sat	Sat
Lakes at Dare Sec 1	Sat	Sat	Sat	Sat	Sat	NA	Sat	Sat
Lakes at Dare Sec 1	Sat	Sat	Sat	Sat - Note-2 trees have fallen into the pond (straight behind sprayer) and will eventually need removal	Sat	NA	Sat	Sat - 10 ft vegetated buffer being maintained
Lakes at Dare Sec 1	Sat	Sat - 10ft buffer vegetation is missing around two areas of the pond. There is no buffer in these areas.	Sat	Sat	Sat	NA	Sat	Sat
Lakes at Dare Sec 1	Sat	Sat	Sat	Sat	Sat	NA	Sat	Sat
Lakes at Dare Sec. 6	Sat	Sat	Sat	Sat	Sat	NA	Sat	Sat
Lakes at Dare Sec. 6	Sat	Sat	Sat	Sat	Sat	NA	Sat	Sat
Victory Industrial Park	Unsat - Water extremely cloudy and full of sediment. No signs of aquatic life.	Unsat - Pines have moved in	Unsat - Excess sediment present in pond, may need dredging at this point	NA - already noted	Sat	NA	NA	Unsat - issues previously noted
Victory Industrial Park	NA	Sat - Presence of pines/trees within basin already noted	Sat	NA	Sat	Sat - May want to designate and maintain a clear access path to basin to allow for maintenance	NA	Sat - issues noted

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmflnspectionId	Forbay	Inlets	Outlets
Victory Industrial Park Lot 1	200500999	Two filterras on site. Pictures on file in S://STORMWATER DIVISION/Drainage Pics/BMPs/Victory Industrial	2/24/2012	Aguilar	Yes	Manufactured BMP Systems	1	5566	NA	Unsat - Drains clogged with leaves and debris. Need to be cleaned out.	NA
Running Man Sec 2	U03b-4530-4439	Pond needs maintenance. Located at 107z Running Man Trail. Pics on file in S drive. There are fallen limbs/trees present around perimeter. Two sides of pond have trees all the way to the water's edge growing parallel to the water's surface. These trees could fall in if a large storm event filled up pond.	2/27/2012	Aguilar	Yes	Retention Basin	1	5578	NA	Unsat - Entry areas/pipes completely clogged with leaves. Can see leaf buildup underwater at least 2 feet deep at entryway. Much of rip rap misplaced or missing.	Unsat - Area full of leaves and pipes clogged. Water unable to flow directly to outlet due to obstructions.
Running Man Sec. 10B	200800399	Pics on file at S:\STORMWATER DIVISION\Drainage pics\BMP's\Running Man\Sec 10b Chaptico Run	2/27/2012	Aguilar	Yes	Extended Detention Basin	1	5577	NA	Sat	Sat
Running Man Sec.9A	200000772	Pics on file at S:\STORMWATER DIVISION\Drainage pics\BMP's\Running Man\Sec 9a-200z Corrotoman Run 200Z Corrotoman Run There is an adjacent wetland area to the third basin.	2/27/2012	Aguilar	Yes	Extended Detention Basin	1	5576	Sat	Sat	Sat
Marquis	200701066-1A&B	Two separte ponds connected in series. Pics on file in S drive.	2/28/2012	Leah Aguilar	Yes	Retention Basin	1	5611	Unsat - Trees growing inside riprap divider that need to be removed. Forebay full of trash and debris that needs to be removed. One part of the riprap divider is damaged (looks like it has been driven over) and needs repair	Unsat - Inlet area full of trash that needs removal (A pond). Inlet piping is fine.	Unsat - Remove trash/debris from area.
Marquis	113c-0012-1173	Pond behind Kohls. Pics on file in S drive	2/28/2012	Leah Aguilar	Yes	Retention Basin	1	5612	Unsat - trees growing on riprap divider need removal. Remove all leaves/debris from area and from divider.	Sat	Unsat - outlet pipe (connected to outlet structure) is clogged with debris
Strait Gate Temple/Korean Southern Baptist Church	G14c-1970-0222	Owner has made improvements to area around pond prior to inspection and requested inspection. Will re-inspect in six months. Please do not remove wetland vegetation in basin. The goal is to allow water to flow freely into the basin from the entry ditch (grassed swale). It is currently unable to do so due to obstructions in ditch.	2/28/2012	Aguilar	Yes	Retention Basin	1	5613	NA	Unsat - Ditch leading into basin (all the way from road) needs to be cleared of leaves/debris/woody vegetation and vines. Leave grass/ground cover in ditch and on slopes. Clear sediment and vegetation from check dam in middle of ditch. Clean trash from entry area in basin.	NA
Consolidated Wings-Hooters	200300682	Basin located in rear of property beside parking lot and fence seperating railroad tracks. Pictures on file. Agreement on file.	3/1/2012	Leah Aguilar	Yes	Bioretention Basins	1	5640	NA	NA	Unsat - Remove leaves/debris from riprap area adjacent to basin.
Coxton's Center	200000100	Pics on file in S:\STORMWATER DIVISION\Drainage pics\BMP's\Coxton's.	3/1/2012	Leah Aguilar	Yes	Retention Basin	1	5617	NA	Sat - Minimal leaf build up at inlet pipes. Keep inlet pipes clear of leaves/debris to allow water flow.	Sat
Dominion-Waller Mill	D16d-4872-1229(2)	Infiltration basin with sed forebay. Pics on file.	3/1/2012	Leah Aguilar	Yes	General Infiltration Practices	1	5641	Sat	Sat	Sat
Dominion-Waller Mill	D16d-4872-1229		3/1/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5642	Sat	Sat	Sat
Fairfield Gov. Green	200000051-1A	Photos on file. Note that property is not using CuSO4 for algae control in ponds; no current algal control methods being used.	3/1/2012	Leah Aguilar	Yes	Retention Basin	1	5628	NA	Sat	Sat
Fairfield Gov. Green	200000051-1B	Pics on file. This is the dry detention basin and designated as BMP 1 on plans.	3/1/2012	Leah Aguilar	Yes	Detention Basin	1	5629	Sat	Unsat - Inlet areas clogged and covered with grass/sediment. Remove sediment/grass, grade as needed to allow water flow into basin and replace rip/rap.	Unsat - Erosion present

YORK COUNTY BMP NSPECTIONS FY 2012

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Victory Industrial Park Lot 1				NA			NA	Unsat - Leaves/debris need to be removed from within filterra structure and surrounding area.
Running Man Sec 2	Unsat - Noted above	NA	Unsat - Unable to see basin bottom. Side slopes covered in woody veg although it appears they always have been	NA	Sat - Note that leaning trees present could fall over during a large storm event but are currently standing. Some type of trench (for wiring?) has been dug around 2 sides of the pond and has not been filled in.			Unsat - Need leaf/debris removal and pine needle removal from area.
Running Man Sec. 10B	Sat	NA	Sat	NA	Sat	Sat		Sat
Running Man Sec.9A	Sat	Sat	Sat	Sat - Note that the chains blocking the access roads are laying on the ground and you can drive over them	Sat	Sat		Sat
Marquis	Unsat - Cut veg from immediately around spillway so that you can access for maintenance	NA	Unsat - Pines moving in-need cutting asap. Heavy veg along sides-currently all dead. Need to mow slopes but be sure to leave buffer strip.	Sat	Unsat - Pines moving in. Erosion present on embankment to B pond around stormwater drain needs repair. Need mowing all around.	Sat		Unsat - Need mowing, trash pick up, tree removal at A&B
Marquis	Unsat - Cut veg from around outfall to allow access	NA	Unsat - Side slopes need moving but make sure to leave buffer strip. Unable to see bottom.	Sat	Unsat - Woody is vegetation is moving in that needs removal. Need mowing.	Sat		Unsat - Mowing, trash/debris removal. Need to leave clear access to pond to allow for inspection/maintenance.
Strait Gate Temple/Korean Southern Baptist Church	Sat	Sat - Note that the riprap (rock) is overgrown with vines. Remove as many vines as possible without disturbing rock.	Sat - Bottom of basin is fine (will need periodic trash removal). Side slopes have been cut of woody vegetation and will now need to be seeded with ground cover.	NA	Unsat - Need ground cover now that woody veg has been removed. Remove remaining silt fencing from perimeter.	Sat		Unsat - Remove trash/debris from in and around pond.
Consolidated Wings-Hooters	NA	NA	Unsat - Many bare spots around basin need seeding-need to establish ground cover all around basin. The actual side slope appears to have dimished over time. The sides may have to be re-sloped down per original plans.	NA	NA	NA	NA	Unsat - Entire basin needs maintenance/landscaping. Clear out leaves/debris; remove/replace dead bushes in basin; remulch basin after all other work complete.
Coxton's Center	Sat	Sat	Sat - Some bare ground/erosion along side slopes (esp. near parking lot). Advised owner to have area seeded.	NA	NA	Sat		Sat - BMP is being maintained regularly.
Dominion-Waller Mill	Sat	NA		Sat	Unsat - There is erosion present on side slopes. There is not adequate ground cover around basin which has led to this erosion. Suggest re-seeding area to reestablish ground cover.	Sat	Sat	Sat
Dominion-Waller Mill	Sat	Sat	Sat	Sat	Sat	Sat		Sat
Fairfield Gov. Green	Sat	NA	Sat - Note that erosion is present around shoreline due to sheet flow into ponds and no vegetated buffer or wetland fringe present. Adv owner to install wetland fringe or leave buffer strip to help with erosion.	NA	Sat	Sat		Sat
Fairfield Gov. Green	Unsat - Excessive erosion and large hole present around outlet structure needs immediate attention. This is a safety issue for the property.	Sat	Sat	NA	Unsat - Collapsing in one area due to excessive erosion and a pipe is exposed. Adv owner to cover pipe and eroded area with soil and ground cover to prevent future erosion. This is also a safety issue for property.	Sat		Sat

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Victory Industrial Park Lot 1	NA	Unsat - One of the filterras is missing the tree. It needs to be replanted.	NA - noted	NA	NA	NA		
Running Man Sec 2	Unsat - Algae present around perimeter. Water is somewhat stagnant due to drainage obstructions	Unsat - Wetland grasses/plants appear dead. Primary veg is woody. There are so many pine needles on ground that they have shaded out the ground cover.	Unsat - Excessive leaves/debris	NA - noted	Sat	NA	Sat - Signage is posted	Unsat - noted above
Running Man Sec. 10B	NA	Sat - Minimal bare spots around inlet-may need reseeding	Sat	Sat	Sat	NA	NA	Sat
Running Man Sec.9A	Sat	Sat	Sat	Sat - Some leaf build up at basin inlets/exits but not blocking pipes.	Sat	NA	Sat	Sat
Marquis	Sat - a lot of algae in pond A but does not appear unhealthy	Unsat - Almost all trees that were planted around ponds have died and need replacement. Remove woody veg present on slopes and embankments.	Sat	NA - noted	Sat	NA	Sat	Unsat - Note that slopes are mowed on one side where power company has an easement
Marquis	Sat	Unsat - Trees planted at top of embankments and around are all dead and will need replanting. Cut down woody veg that has moved in on slopes	Sat	NA - Already noted	Sat	Unsat - Need to leave access way open/cleared to allow for maintenance/inspection-none currently present	Sat	Unsat
Strait Gate Temple/Korean Southern Baptist Church	Sat	Unsat - Remove maple tree at inlet on church side to reduce erosion	Sat	Unsat - Accumulation at check dam in entry ditch that needs removal	Sat - Note there is stagnant water present at entry due to obstructions, this will be resolved when ditch is cleared.	NA	Sat	Unsat - Needs seeding. There is currently little ground cover on two sides of pond.
Consolidated Wings-Hooters		Unsat - Two dead bushes in basin need replacement.	Unsat - There is a cat(?) animal house sitting in the middle of the basin that needs to be removed.	NA - Noted	NA	NA		
Coxton's Center	Sat - Algae present. Cattails dead or gone in majority of pond (owner adv. they would grow back in summer). A lot of leaves/grass clippings in pond. Advised owner not to let this type of debris be put in pond. Some of the leaves/clippings will need removal.	Unsat - Wetland fringe grasses have been cut down within and around pond. Advised owner these grasses are not to be cut and to let them grow back.	Sat	Sat	Sat	NA - Pointed out a leaning tree to owner near the emergency spillway; may eventually want to move/remove it.	Sat	Sat - Seed bare spots
Dominion-Waller Mill		Sat	Sat	Unsat - There is sediment accumulation in the basin bottom that should be removed to allow infiltration.	Unsat - Basin appears to be holding water for extended period of time-likely longer than original design. Algal growth present in pool	NA		
Dominion-Waller Mill	NA	Sat	Sat	Sat	Sat	Sat	Sat	Sat
Fairfield Gov. Green	Sat	Sat	Sat	Sat	Sat	NA	Sat	Sat
Fairfield Gov. Green	NA	Sat	Sat	Sat	Sat	NA	Unsat - noted above	Sat

YORK COUNTY BMP NSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Fairfield Gov. Green	200000051-1C	Pics on file. This is Pond 2 (per plans) behind sales center.	3/1/2012	Leah Aguilar	Yes	Retention Basin	1	5630	NA	Sat	Sat
Fairfield Gov. Green	200200070	Pics on file. Second largest pond on site with two sprayers.	3/1/2012	Leah Aguilar	Yes	Retention Basin	1	5631	Sat	Unsat - Erosion/low spots present that need to be filled in with soil and groundcover or rock.	Sat
Fairfield Gov. Green	201000115	Pics on file. Pond 3 (per plans) with broken sprayer.	3/1/2012	Leah Aguilar	Yes	Retention Basin	1	5632	NA	Unsat - Inlet pipe is exposed over filter cloth and misaligned. Erosion present around pipe areas. Need to put pipe back under cloth and then cover cloth with rock (recommended) or soil/ground cover.	Sat
Holiday Inn & Suites Wmbg	2007-03	Pictures on file. Vortechs 7000 stormwater system. Inspection performed with Norman Thomas. Owner to get professional inspection of unit performed as per agreement. The findings of this inspection need to be forwarded to attention Leah Aguilar at York Co E&DS. Any maintenance issues determined by the professional inspection will need to be rectified asap.	3/1/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	5638	NA	Sat - Keep all stormwater inlet pipes throughout property clean of leaves/debris. One inlet on property had minimal debris present.	Unsat - Unable to view outlet pipe during inspection because it could not be accessed.
Tabb Lakes- Lake 2	T02a-0026-4932	Much of the shoreline of this lake belongs to the homeowners rather than the HOA.	3/2/2012	Leah Aguilar	Yes	Retention Basin	1	5647	NA	Sat - Inlet pipes are clear and regularly inspected and cleared of debris.	Sat
Tabb Lakes-Lake 1	T02a-0026-4932		3/2/2012	Leah Aguilar	Yes	Retention Basin	1	5648	NA	Sat	Sat - Outlet area will require frequent inspection and cleaning due to presence of trees around pond. Outlet area has had recent clean out by York Co.
Dirmeyer Veterinary Clinic	200200061	Photos on file.	3/5/2012	Leah Aguilar	Yes	Detention Basin	1	5657	NA	Sat - Keep area free of leaves and debris. Will need to check after each major rain event.	Sat - Keep area free of leaves and debris. Will need to check after each major rain event.
York Convalescent Center	200100757	Pond is currently being shared by Nelson's Grant development and water is being pumped into pond. Pics on file.	3/5/2012	Leah Aguilar	Yes	Retention Basin	1	5656	NA	Sat - Grassed swale at side of property is obstructed in some areas with vegetation; there is no clear water flow path. Advise clearing swale to help prevent overflow. Inflow area from parking lot has sediment and vegetation over the riprap. Suggest removal of sediment and vegetation.	Sat - No obstructions. Water is moving out quickly into wetland since it is being pumped in and water level is high.
Grafton Animal Veterinary Hospital	200500013	Pics on file.	3/6/2012	Leah Aguilar	Yes	General Infiltration Practices	1	5686	NA	Sat	Sat
Trebor Pastures	V03a-1418-4014	Main Pond. HOA president wrote letter complaining of erosion issues at entry culvert. Pics on file.	3/6/2012	Leah Aguilar	Yes	Retention Basin	1	5690	NA	Unsat - Excessive erosion and low spots around one entry swale. Other swale clogged with leaves.	Sat - Screen over pipe has come lose and is not able to trap all debris. Needs replacement.
Trebor Pastures	V03a-2220-3186	Pond 1 - 111 Combs loop. Pics on file.	3/6/2012	Leah Aguilar	Yes	Retention Basin	1	5692	NA	Unsat - All inlets congested with leaves/debris. Need to be cleared regularly.	Sat
Trebor Pastures	V03a-1258-3143	Pond 2. Pics on file.	3/6/2012	Leah Aguilar	Yes	Retention Basin	1	5693	NA	Unsat - Inlets clogged with leaves/debris. Recommend removal of debris after every large storm and/or monthly.	Sat
Penniman Commerce Park	200400010	Pond maintenance shared between 1570 & 1590 Penniman (Digges Co. and T&S Assoc.). Inspection conducted with Stanley Treleaven. Pictures on file.	3/12/2012	Leah Aguilar	Yes	Retention Basin	1	5732	NA	Unsat - Both entryways from Digges parking lot are clogged with trash/leaves/debris. Need to remove all of above and remove pine trees from inflow. Blocked channels contributing to standing water in Digges parking lot.	Unsat - Remove trash buildup at area, remove wooden pallet from beneath outfall structure.
Victory Industrial Park Lot 1	200500999	This is a follow up re-inspection to make sure issues from previous inspection were rectified. Two Filterras on site. Filterras have been maintained, cleaned, and missing tree has been replanted. All satisfactory - will reinspect in one year.	3/12/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	5727	NA	Sat	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Fairfield Gov. Green	Sat	NA	Sat - Minimal erosion present due to sheet flow and lack of vegetated buffer or wetland fringe.	NA	Sat	Sat - Note that broken fountain sprayer has been removed from pond and is sitting on shore.		Sat
Fairfield Gov. Green	Sat	NA	Sat - Erosion present at shoreline due to lack of buffer or wetland fringe.	NA	Sat	Sat		Sat
Fairfield Gov. Green	Sat	NA	Sat - Erosion at shoreline present due to lack of vegetated buffer or wetland fringe.	NA	Sat	Sat		Sat
Holiday Inn & Suites Wmbg				NA		Unsat - Two of the three manhole covers to access the unit were rusted shut and could not be removed. Property will need to rectify this issue so that covers can be easily removed.	NA	Unsat - No routine maintenance of this structure has been performed. Property manager will remove floating debris and trash in unit asap.
Tabb Lakes- Lake 2	Sat	NA	Sat - Some erosion present around shoreline. This may be prevented with the addition of a vegetated buffer or wetland plants along the shoreline.	NA	Sat	Sat		Sat
Tabb Lakes-Lake 1	Sat	Sat - Some leaves/debris present on spillway.	Sat - Some erosion present in areas around lake but is being controlled as well as possible.	NA	Sat	Sat		Sat - Facility receives routine maintenance and inspections.
Dirmeyer Veterinary Clinic	Sat	Sat	Sat - Minimal leaf debris present	NA	Sat	Sat		Sat
York Convalescent Center	NA	NA	Unsat - Woody vegetation is coming in near inlet at corner and outlet. Need to remove all woody vegetation. There are areas with no ground cover on side slopes due to geese. Attempt to re-seed smaller areas.	Sat	NA	Sat		Sat - Note to landscapers to leave an unmowed vegetated strip around the pond (approx 3-5 feet wide). Do not mow wetland grasses around pond.
Grafton Animal Veterinary Hospital	Sat	NA		Sat	Sat	Sat - No cover on outfall structure. Cover was specified on plans but never put on.	NA	Sat
Trebor Pastures	Sat - See above	NA	Unsat - Evidence of sheet flow down side slopes causing erosion all around pond. No vegetated strip or wetland fringe present. Fallen tree on one side. Recommend removal of fallen tree branch from pond and to leave an unmowed, vegetated strip around shoreline to prevent erosion.	NA	Sat	Unsat - Riprap has been removed/disturbed at inlet		Sat - Do not mow directly around shoreline. Leave a buffer strip to capture sheet flow.
Trebor Pastures	Sat	NA	Unsat - Erosion evident around shoreline. Basin bottom is covered in leaves. Woody vegetation present on slopes. Recommend removal of young pine (about 3' high) coming in close to shoreline. Recommend removal of as many leaves as possible from inside pond.	NA	Sat - Woody vegetation present.	Sat		Unsat - Leaf removal needed all around pond and in pond. There is a huge pile of dead tree branches at one end of pond; recommend removal of this debris. Consider leaving an unmowed strip around pond edge to prevent erosion. Because of the proximity to trees, leaf removal will be needed more frequently at this pond.
Trebor Pastures	Sat	NA	Unsat - Erosion present around pond. Recommend leaving an unmowed strip around pond perimeter.	NA	Sat	Sat		Unsat - Clean leaves/debris from area regularly.
Penniman Commerce Park	Sat	Sat - Remove tire/trash from area and keep riprap clear of vegetation.	Unsat - Needs mowing and removal of young pines/woody vegetation. Need to have a maintenance access area maintained at all times.	NA	Unsat - Needs mowing and small pines to be removed.	Sat		Unsat - Comments noted above.
Victory Industrial Park Lot 1				NA		Sat	NA	Sat

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Fairfield Gov. Green	Sat	Unsat - Cattail fringe has been cut down and the clippings thrown into pond. Remove debris from pond and in future do not cut down wetland fringe plants.	Sat	Sat	NA	NA	Sat	Sat
Fairfield Gov. Green	Sat - A lot of algal growth in this pond.	Sat	Sat	Sat	NA	NA	Unsat - Fill in hole at inlet - currently it is a tripping hazard.	Sat
Fairfield Gov. Green	Sat	Sat	Sat	Sat	Sat	NA	Sat	Sat
Holiday Inn & Suites Wmbg	NA	NA	Unsat - Unknown - this needs to be determined by professional inspector.	Unsat - Excessive debris and trash present in unit.	NA	Unsat - As per maintenance agreement, property is required to have this unit inspected annually by a certified inspector. This inspection needs to take place to ensure unit is performing as designed.		
Tabb Lakes- Lake 2	Sat - Appears healthy.	Sat	Sat	Sat - No evidence of excessive accumulation during inspection. HOA has bathymetry of ponds that shows some sedimentation has occurred.	NA	NA	NA	Sat
Tabb Lakes-Lake 1	Sat - Aerators have been installed to improve pond health.	Sat	Sat	Sat - No evidence of excessive sedimentation during inspection.	NA	NA	NA	Sat
Dirmeyer Veterinary Clinic	NA	Sat	Sat	Sat	Sat	NA	Sat	Sat
York Convalescent Center	Sat - Water from adjacent construction site being pumped in is causing sediment deposition; cannot tell how much at this point. Will check in more detail at next inspection.	Sat - Removal of woody vegetation as previously noted. Geese have created an area of about 20 feet with no vegetation at all. Suggest planting some type of wetland plant/or grass in the pond at this area to help prevent sediment from running into pond.	Sat	Sat - No visible debris	Sat	NA	Sat	Sat - Issues noted
Grafton Animal Veterinary Hospital		Sat	Sat	Sat	Sat	NA		
Trebor Pastures	Sat - Water is treated. There is algae and fish present in pond.	Sat - May want to consider adding wetland fringe plants.	Sat	Sat	Sat	NA	Unsat - Currently, the eroded area is actually roped off with caution tape but the area is a safety issue.	Sat
Trebor Pastures	Sat - Water is treated. No algae present.	Unsat - Shading from trees is preventing ground cover establishment on all side slopes. Recommend addition of wetland fringe grasses around pond perimeter.	Sat	NA - noted	Sat	NA - Site plans indicate 2 signs reading "Pond 1" at site. No signage was present.	Sat	Sat
Trebor Pastures	Sat - There is a fair amount of vegetation debris floating on water surface. Recommend removing as much of this as possible (by raking).	Sat - Consider adding wetland fringe grasses inside pond (perimeter).	Sat	Sat	Sat	NA	Sat	Sat
Penniman Commerce Park	Unsat - Evidence that sulfur is being washed into basin. One of the drains is bright yellow (sulfur). No chemicals should be washed into pond.	Unsat - Comments noted above.	Sat	Sat - Mentioned to owner that pond would need dredging at some point.	Unsat - Water not draining from Digges parking lot.	NA	Sat	Unsat - Comments noted above.
Victory Industrial Park Lot 1	NA	Sat	NA	Sat	NA	NA		

YORK COUNTY BMP INSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Yorkminster Presbyterian Church	2006-29		3/12/2012	Leah Aguilar	Yes	Retention Basin	1	5726	Sat	Sat	Sat
Phillip Morris Facility	H12c-1676-2235	Pictures on file.	3/13/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	5736	NA	Sat	Sat
Phillip Morris Facility	H12c-1676-2235	Pictures on file.	3/13/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	5737	NA	Sat	Sat
Phillip Morris Facility	H12c-1676-2235	Pictures on file. Inspected above ground infiltration area only.	3/13/2012	Leah Aguilar	Yes	Detention Basin	1	5738	Sat	Sat	Sat
Virginia Trusses	200600049	Spoke with owner after inspection. Stated that there will be some maintenance performed on/around pond in the next month. Requested return next month. Pictures on file.	3/13/2012	Leah Aguilar	Yes	Retention Basin	1	5739	NA	Unsat - erosion around sides of storm manhole	Sat
Williamsburg Players	200700046	Pictures on file.	3/13/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5735	Sat - Remove litter from area (minimal).	Sat - Remove leaves/litter from pipe (minimal).	Unsat - Outlet drain at rear of emergency spillway has low spots/eroded areas all around and needs to be filled in.
Home Depot	200300747	Four filterras in series across parking lot. Pictures on file.	3/14/2012	Leah Aguilar	Yes	Bioretention Basins	1	5743	NA	Unsat - Inlets completely clogged with leaves/debris and need cleaning.	NA
Walmart Cedar Valley -Lightfoot	200700173 H	Pictures on file.	3/14/2012	Leah Aguilar	Yes	Retention Basin	1	5744	Sat	Sat	Sat
Williamsburg Motors	200200262	Pics on file.	3/14/2012	Leah Aguilar	Yes	Retention Basin	1	5745	Sat	Sat	Sat
European Cars	200200305	Pictures on file. Will reinspect in 30 days.	3/15/2012	Leah Aguilar	Yes	Detention Basin	1	5750	NA	Unsat - Inlet area near fence congested with leaves. Leaves need to be cleared out.	Unsat - Erosion (large holes) present around outlet structure. Holes need to be filled and then area seeded to establish ground cover.
Great Wolf Lodge	200300612	Pictures on file. Will reinspect in 30 days.	3/15/2012	Leah Aguilar	Yes	Retention Basin	1	5748	Unsat - Sediment has accumulated at one entryway and needs removal. Remove trash/debris from inside and around forebay. There are two fallen trees laying on rip rap seperator between forebay and main pond that need removal. Grassed swale entryway is clogged with pines/pine needles. At minimum need to remove pine needles. Recommend removal of pines 5' or smaller from entryway.	Unsat - Clear area in/around pipe inlets of leaves/sediment/debris. Entry grassed swale (into forebay and running along parking lot) is severely eroded in channel. Measures need to be taken to prevent further erosion in the channel and ground cover needs to be reestablished in bare spots on slopes.	NA - Could not inspect outlet in detail due to access issues. Will inspect on following inspection after mowing occurs.
Jungle Jim's	C20c-2217-0920		3/15/2012	Leah Aguilar	Yes	Grassed Swale	1	5749	Unsat - Remove litter/leaves. Remove pines growing on embankment surrounding forebay.	Sat - Recommend removal of tree at forebay inlet. It is disturbing riprap and causing excessive leaf debris.	Sat
Buffa Property	200600295	Pictures on file.	3/16/2012	Leah Aguilar	Yes	Constructed Stormwater Wetland	1	5770			Sat
Lightfoot Crossing	200600329	Pic on file.	3/16/2012	Leah Aguilar	Yes	General Infiltration Practices	1	5765	NA	Unsat - Inlet pipe at corner completely clogged with debris/mulch. Needs to be cleared out.	Sat
Lightfoot Crossing II	200600329	Pics on file.	3/16/2012	Leah Aguilar	Yes	General Infiltration Practices	1	5764	NA	Unsat - Pipes clogged. Clear all pipes on both sides of leaves/debris.	Unsat - See above.
Williamsburg Marketcenter	200600041	Pictures on file. Inspection on the infiltration basin in rear.	3/16/2012	Leah Aguilar	Yes	General Infiltration Practices	1	5762	Unsat - Remove trash from forebay.	Sat	Unsat - Erosion present on slopes around outlet structure. Need to fill in holes and reestablish ground cover.
Wmbg. Embassy Suites	200300085	Pics on file. Maintenance manager mentioned that York Co. had cleaned out basin about 1 year ago.	3/16/2012	Leah Aguilar	Yes	Detention Basin	1	5763	NA	Unsat - Eroded areas around storm sewer drain at entrance - need to be rectified. Remove leaves/debris from inlets.	Sat

Site	Principal Spillway	Emergency Spillway	Basin Bottom and Side Slopes	Safety Devices	Embankments	Structural Components	Media	Routine Maintenance
Yorkminster Presbyterian Church	Sat - Some trash present at around grate cover.	NA	Sat - Some bare/eroded areas present. Bare areas need reseeding.	NA	Sat	Sat		Unsat - Litter present in and around pond and on outlet drain. Remove litter from in and around pond.
Phillip Morris Facility				Sat		Sat	Sat	Sat
Phillip Morris Facility				Sat		Sat	Sat	Sat
Phillip Morris Facility	Sat	NA	Sat	Sat	Sat	Sat		Sat
Virginia Trusses	Sat - Top of standpipe (cover) dented as if tree fell on it. Does not appear to have an effect on operation.	Unsat - Cut grass in channel.	Unsat - Pines present on all slopes need removal. Erosion all over slopes due to lack of ground cover. Unable to see basin bottom.	NA	Unsat - Pines present all around. Inadequate ground cover, need reseeding.	Sat		Unsat - Needs mowing/bushhog and reseeding. Possible tree removal.
Williamsburg Players	Sat	Sat	Sat	NA	Sat - Erosion and bare spots present around almost all of the shrubs.	Sat		Sat
Home Depot	NA	NA	NA	NA	NA	Sat	Sat	Unsat - See above. Filterras may also need addition of mulch.
Walmart Cedar Valley -Lightfoot	Sat - Note that top of riser is completely rusted. May want to consider replacement.	NA	Sat - Some erosion present around shoreline.	Sat	Unsat - There are several animal burrows 6-9" in diameter throughout structure. At least 10 burrows present.	Sat		Sat
Williamsburg Motors	Sat	NA	Sat - Note that a huge pile of leaves has been left on slope, shading out the ground cover. Recommend asking landscapers not to deposit leaves around pond.	NA	Sat	Sat		Sat
European Cars	Unsat - See above	NA	Unsat - Inadequate ground cover. Slopes needs to be seeded in bare areas to reestablish ground cover. Erosion is evident on slopes.	NA	Sat	Sat		Unsat - Remove silt fencing in front of outlet structure. Remove leaves/debris from in and around basin.
Great Wolf Lodge	NA - See above.	Unsat - Needs mowing.	Unsat - There is woody growth present on slopes. At minimum, all woody growth/pines 5' or less tall need removal. Side slopes need mowing; vegetation to be mowed to 6-8" tall and maintained.	NA	Unsat - Woody vegetation present on embankments. A clear access path needs to be present all the way around the pond. There is evidence that leaves/tree limbs are being dumped on embankments; no yard debris should be dumped in or around pond.	Sat		Unsat - Need mowing around entire structure and removal of woody vegetation as noted above. Need to remove all trash/debris from area and remove all downed trees/limbs from area.
Jungle Jim's				NA	Sat		NA	Sat
Buffa Property	NA	Sat - Recommend removal of pine tree in middle of spillway.	Sat - Remove two small pines growing in basin. Wait until summer (dry season) to remove and disturb as little of wetland vegetation as possible.	NA	Sat - Forebay embankment issues noted above.	Sat		Unsat - Removal of leaves/debris at inlet and throughout structure. Keep growth of woody species out of structure except for around embankments on two rear sides.
Lightfoot Crossing	Sat	Sat		NA	Sat - One area of erosion from parking lot that needs repair and replacement of ground cover.	Sat	NA	Sat
Lightfoot Crossing II	Sat - Minimal debris in bottom of drain.	Sat		NA	Unsat - Several areas of erosion from parking lot. The erosion issues need to be rectified and then ground cover reestablished in these areas.	Sat - One side of outfall pipe into ditch adjacent to sheep field (rear) is crushed.	NA	Sat
Williamsburg Marketcenter	Unsat - See above	Sat		Sat	Sat	Sat	NA	Sat - Basin is being regularly mowed. Need to remove trash in area.
Wmbg. Embassy Suites	NA	NA	Unsat - Evidence of grass clippings/leaves being deposited into basin. Please ensure this does not happen. Remove leaves/debris from side slopes.	NA	Sat	Sat		Unsat - Remove all trash/debris from basin. Clear basin regularly of leaves/debris.

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Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Yorkminster Presbyterian Church	Sat	Sat	Sat	Sat - noted	Sat	NA - Geese living in area.	Sat - Some bare areas in wetland bench. Consider replanting of wetland fringe species in bare areas.	Sat
Phillip Morris Facility	NA	Sat	Sat	Sat	Sat	NA		
Phillip Morris Facility	NA	Sat	Sat	Sat	Sat	NA		
Phillip Morris Facility	NA	Sat	Sat	Sat	Sat	NA	Sat	Sat
Virginia Trusses	Sat - Owner stated there were fish in pond but did not see any evidence. Water is very muddy looking. Pond will need dredging within next few years.	Unsat - Noted	Sat	Sat	Sat	Unsat - Plans state that soil sampling is to be completed every 4 years. Soil testing needs to be completed and evidence submitted to E&DS.	Sat	Unsat - Noted
Williamsburg Players	NA	Sat	Sat	Sat	Sat	NA	Sat	Sat
Home Depot		Unsat - Two of the four trees are missing and need replacement.	NA	NA	NA	Unsat - Documented maintenance/inspection is required by an authorized vendor bi-annually. Reports/evidence of these services needs to be available to York County inspector upon request.		
Walmart Cedar Valley -Lightfoot	Sat - Healthy aquatic environment.	Sat	Sat	Sat	Sat	NA	Sat	Sat
Williamsburg Motors	Sat - Algal blooms present in pond - more on Walmart side.	Sat	Sat	Sat	Sat	NA	Sat - Aquatic bench present around about 30% of pond.	Sat
European Cars	NA	Unsat - Noted above.	Sat	Sat - Note that sediment has accumulated in the bottom of the outlet structure and will eventually need removal.	Sat	NA	Sat	Unsat - Noted above.
Great Wolf Lodge	Sat - Appears healthy.	Unsat - The Trees that were deliberately planted on the farthest embankment are either dead, missing, or leaning. Need to remove dead trees and restabilize leaning trees that are still salvagable.	Sat	NA - Issues noted.	Sat	Unsat - Please keep an onsite record of any maintenance, repairs, and inspections of the BMP to be reviewed by York Co inspector upon request.	Sat	Unsat - Issues noted.
Jungle Jim's		Sat		Sat	Sat	NA		
Buffa Property	Sat	Sat - Wetland vegetation looks good.	Sat	Sat	Sat - Note that there is standing water in the adjacent wetland.	NA		
Lightfoot Crossing		Sat	Sat	Sat	NA	NA		
Lightfoot Crossing II		Sat	Sat	Sat	NA	NA		
Williamsburg Marketcenter		Unsat - Vegetation along slopes is sparse and there is minimal vegetation in basin. There are pines coming in in basin. Need to remove pines from basin bottom and establish ground cover.	Sat	Sat	Sat	NA		
Wmbg. Embassy Suites	NA	Sat - Basin completely vegetated with trees/shrubs	Sat	NA - Noted	Sat	NA	NA	Sat

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Hubbard Property	2006-32	Pictures on file. Parking lot is disturbed; there is a stack of branches/tree parts piled between the parking lot and BMP.	3/19/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5788	NA - Issues noted	Sat - Some sediment build up around pipe but pipe itself is clear. Remove pine needles/leaves from area.	Sat
Hubbard Property	s03c-2192-0533	Two Filterras in rear parking lot. Pictures on file. Will reinspect in 30 days.	3/19/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	5789	NA	Unsat - Inlet under Filterra system completely clogged with sediment; needs to be cleaned out.	NA
Safety Equipment Rental	200500935	Pictures on file.	3/19/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5793	NA	Unsat - Grassed swale leading to inlet needs to be cleared of leaves/pine needles. Also remove debris from top of rip rap. Some erosion present around wooden check dam in swale.	Unsat - Outlet drain covered with pine needles and cones; needs to be cleared.
Peninsula Emergency Vet Clinic	200200248	Pictures on file.	3/20/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5795	NA	Sat - There is erosion around rear corner of dumpster pad. Recommend filling and reseeding area or adding riprap to reduce erosion into basin.	Unsat - Outlet pipe clogged with leaves. Outlet area needs to be kept clear of debris.
Sonic - Route 17	200200228	Pics on file. Onsite owner/manager Jayme Cunningham. Will reinspect in 30 days.	3/20/2012	Leah Aguilar	Yes	Constructed Stormwater Wetland	1	5794	Unsat - Remove litter/debris from deep pool area.	Unsat - Concrete swales from parking lot full of sediment/ vegetation. Leaves/debris piled up at inlets. Need to clean concrete swales out and clear inlet area of debris.	Unsat - Area full of leaves/pine needles. Need to remove. Pines are coming into basin in this area. Suggest removal of young pines from outlet area (inside wetland basin).
Williamsburg Comm. Hosp.	200200087-01	Pictures on file. Pond across from medical office complex (500).	3/20/2012	Leah Aguilar	Yes	Retention Basin	1	5798	NA	Sat	Sat
Williamsburg Comm. Hosp.	200200087-02	Pics on file. Pond in front of YMCA.	3/20/2012	Leah Aguilar	Yes	Retention Basin	1	5799	NA - Forebay is underwater - could not inspect in detail.	Sat	Sat - Note that there is standing water at outfall region. Vegetation and silt fencing have created a damming effect in this region. May want to clear out some debris and/or cut a clear access path to outlet structure for maintenance purposes.
Presidents Park	200300666	Park is currently closed and I could not get full access to pond. Could only view it from outside of fence, except for outfall.	3/21/2012	Leah Aguilar	No	Retention Basin	0	5803	NA	Sat	Unsat - Outfall pipe obstructed with several logs, almost looks like a dam.
Foxwood	S04c-2389-0131	Main Pond. Pictures on file. A lot of work has been done at this pond. This is an un-official inspection and the comments are recommendations. Will re-inspect property in fall.	3/22/2012	Leah Aguilar	Yes	Retention Basin	1	5815	NA	Sat - Keep pipes are surrounding areas clear of debris. Remove all woody growth from region; the roots can cause pipes to crack and leaves can cause clogging.	Unsat - Keep outfall area clear of leaves/debris.
Foxwood Sec 2&3	S04c-0255-0436	Pond 1. Unofficial inspection - comments are recommendations. Will re-inspect in fall. Pictures on file.	3/22/2012	Leah Aguilar	Yes	Retention Basin	1	5816	NA	Unsat - This pond has inlet and outlet pipes side by side at one corner. Need to keep this area clear of debris. Need clear access to piping at inlets/outlets. Clear an access path of all vegetation (except ground cover) all the way to waters edge 5' on either side of pipes.	Unsat - See above. Keep outlets clear of debris.
Foxwood Sec 2&3	S04c-0255-0436	Pond 2. Un-official inspections. Comments are recommendations. Pictures on file.	3/22/2012	Leah Aguilar	Yes	Retention Basin	1	5817	NA	Unsat - Clear slopes from embankments to shoreline 5' on either side of inlet/outlet pipes. Clear sediment from inlet pipes.	Unsat - See above notes.
Foxwood Sec 2&3	S04c-0678-0916	Pond 3. Un-official inspection. Pictures on file. Will re-inspect in fall.	3/22/2012	Leah Aguilar	Yes	Retention Basin	1	5818	NA	Unsat - No clear access paths to inlets/outlets. See notes for Pond 2. Pipes currently almost full of water.	Unsat - See notes Pond 2.

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Hubbard Property	Unsat - Covered in debris; need to remove debris.	NA	Unsat - Pines have grown in all over slopes and basin bottom. Pines need to be removed. Pine needles and leaves need to be removed and ground cover needs to be re-established.	NA	Unsat - Remove pines 5' or less tall from embankments.	Sat		Unsat - Remove leaves/pine needles from basin and side slopes (it appears they have shaded out ground cover). After removal, re-seed slopes to establish ground cover.
Hubbard Property	NA	NA	NA	NA	NA	Sat	NA	Unsat - Inspect interior of Filterra unit and reinstall mulch as needed.
Safety Equipment Rental	NA - Noted above.	Sat - Note that embankment at spillway (per plans) appears higher than embankment directly behind outfall structure. In the event of overflow, water will likely flow out there rather than in the emergency spillway. Construction fence present across spillway.	Sat - Remove leaves/debris regularly to prevent buildup.	NA	Sat	Sat		Unsat - Removal of leaves/pines needles on slopes before ground cover is shaded out. Will need mowing soon.
Peninsula Emergency Vet Clinic	Sat - Note that there is standing water present.	NA	Unsat - Bottom filled with leaves. Need leaf removal without damaging wetland vegetation. Suggest leaf blowing/removal during dry season.	NA	NA	Sat		Sat - Leaf removal as noted above. Remove large downed limbs from basin.
Sonic - Route 17	Sat	NA	NA - Could not completely access site to inspect, will comment on this further on return inspection.	NA	Unsat - Appears as if grass clippings, branches have been dumped in area between wetland and East Coast Exotics. Need to remove this debris and ensure no further dumping takes place on site.	Sat		Unsat - Need to pick up trash, leaves, branches, debris throughout and around structure. Need clear, maintained access path around structure for maintenance and inspection. Access path needs to be in place prior to reinspection. When removing debris from wetland marsh area, disturb wetland vegetation as little as possible.
Williamsburg Comm. Hosp.	Sat	NA	Sat - Erosion present around shoreline. Suggest leaving a vegetated (unmowed) buffer strip around shoreline or adding wetland fringe grasses into pond. This will help prevent erosion and help catch debris.	NA	Sat	Sat		Sat - Need leaf removal in and around pond. Rake out as many leaves as possible from inside pond (around perimeter). There are many leaves present underwater in this region.
Williamsburg Comm. Hosp.	Unsat - IMPORTANT-Water is seeping out of the bottom of spillway. When looking into the spillway (from pond), there is a leak in the bottom right corner of the left compartment. Water was flowing out of this hole (not the pipe) during inspection.	NA	Unsat - Erosion present on all slopes. Need to restabilize and re-seed bare spots to establish ground cover. Erosion also present around shoreline. The addition of wetland fringe plants or leaving an unmowed buffer strip will help with erosion along shoreline.	NA	Sat - Some erosion present on top; need to reestablish ground cover.	Sat - See spillway note.		Sat
Presidents Park	Sat	NA	Unsat - Could not inspect bottom. Side slopes need mowing.	Sat	NA - Could not make a full inspection.	Sat		Unsat - Needs mowing and trash removal.
Foxwood	NA	NA	Sat - Erosion evident around shoreline. Need to establish vegetated buffer around pond perimeter; can do this by adding wetland vegetation to pond perimeter or by leaving an unmowed strip (2-3') around pond edge. Re-establish ground cover in bare regions to prevent further erosion. Remove woody growth on side slopes (present in small pockets).	NA	NA - See above notes about ground cover.	NA - Did not inspect in detail, appeared sound.		Sat - Keep vegetation mowed 3-8" high except for buffer region. Remove pine needles/leaves regularly to prevent clogging. Inspect pond inlets/outlets before and after large storm events for obstructions. Instruct residents not to dump leaves, clippings, etc around pond.
Foxwood Sec 2&3	NA	NA	Unsat - Thick layer of pine needles and leaves on slopes. Unable to inspect basin bottom. Need to regularly clear slopes of debris.	NA	Sat - Woody vegetation present. Appears stable.	Sat - Appear sound.		Unsat - Instruct residents not to dump leaves, branches, clippings around pond. Clear as many pine needles, leaves, etc as possible. Inspect pond before and after large storm events to look for obstructions. Area clear of trash.
Foxwood Sec 2&3	NA	NA	Unsat - Slopes covered in woody vegetation. Recommend removal of as much woody vegetation as possible. Recommend clearing access paths around all inlets/outlets.	NA	Sat - Recommend re-establishment of ground cover (grass) along north side of pond to prevent erosion.	NA - Unable to fully inspect piping. Suggest removal of trees around all piping to prevent cracking.		Sat - Instruct homeowners not to dump around pond. Remove as many leaves/debris as possible.
Foxwood Sec 2&3	NA	NA	Unsat - Recommend removal of all woody vegetation and brush around 1/2 of pond perimeter (leave taller pines). After clearing, re-establish ground cover. Install wetland fringe plants or leave un-mowed strip around pond perimeter.	NA	Sat	NA - Unable to inspect. Same note as Pond 2. After clearing area, ensure riprap is in place to prevent erosion.		Sat - Regularly clear as many pine needles/leaves from side slopes as possible, especially around inlets. Do not remove wetland grasses from pond perimeter.

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Hubbard Property	Sat	Unsat - Noted above.	Sat	NA - Noted above.	Sat	NA	NA	Unsat - No ground cover present. Issues previously noted.
Hubbard Property		Sat	NA	NA	NA	Unsat - Two drains leading to Filterras are completely covered in sediment due to parking lot disturbance. Need to remove sediment and protect drains in future when parking lot disturbance occurs.		
Safety Equipment Rental	Sat	Sat	Sat	Sat	Sat	NA - There is construction fencing present at rear embankment. If construction is complete, remove fencing.	Sat	Sat
Peninsula Emergency Vet Clinic	NA	Sat - Need to remove pine saplings from side slopes before they get any larger, especially around outlet area.	Sat - Leaf issues noted.	Sat	Sat	Unsat - Yard drain beside dumpster is covered and has grass growing in it. Need to remove outlet protection (black fabric) and clear sediment from drain so that water can flow into drain.	NA	Sat
Sonic - Route 17	Sat	Sat - Wetland vegetation appears healthy. Pines moving into inlet/outlet areas. May want to consider removal of young pines in these areas.	Sat	NA - Issues noted	Sat	Unsat - Plans specify that owner keep record of BMP maintenance and monthly inspections. Need to begin keeping these records onsite and available for review by York Co. upon request.		
Williamsburg Comm. Hosp.	Sat - System appears healthy.	Sat	Sat	Sat	Sat	Unsat - There is a dirt pile in the corner of the parking lot (#500 bldg) right in front of a storm drain. Need to cover drain opening while this dirt is in place to prevent sediment flow into drain.	NA	Sat - Suggest leaving unmowed strip as mentioned above.
Williamsburg Comm. Hosp.	Sat - There is algae present in pond. Since it is early in season, the growth may get worse. May want to consider control measures now. *Water level appears low	Sat - No vegetated buffer around pond, see comments above.	Sat	Sat	Sat - There is standing water at outfall near pump station (noted above).	NA	Sat	Sat - Erosion issues noted.
Presidents Park	Sat - Appeared healthy.	Sat - Wetland vegetation is doing well.	Sat	NA - Could not determine.	Sat	Unsat - Attempted to contact owner for access and was unable to reach them.	Sat	Unsat - See above.
Foxwood	Sat - Appears healthy.	NA - Issues noted	Sat	Sat	Sat	NA - Suggest lake study to determine extent of sedimentation in lake.	Sat	Unsat - See notes above
Foxwood Sec 2&3	Sat - Appears healthy.	Unsat - Remove trees growing through riprap at inlet/outlet area. The roots can displace riprap and crack pipes. The debris will clog pipes.	Sat	Sat	Sat	NA	Sat	NA - Noted above
Foxwood Sec 2&3	Sat	Unsat - Issues noted.	Sat	Sat	Sat	NA	Sat	Unsat - Noted.
Foxwood Sec 2&3	Sat - Appears healthy.	NA - See notes above.	Sat - Watch pine needle accumulation.	Unsat - Remove sediment from inflow/outflow pipes.	Sat	NA	NA	Unsat - See notes above and on other ponds.

YORK COUNTY BMP NSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Animal Clinic of Williamsburg	200501064	Pictures on file.	3/23/2012	Leah Aguilar	Yes	Detention Basin	1	5824	NA	Unsat - Inlet pipe clogged with leaves/debris; remove debris from structure. Need to remove trees growing through riprap; when clear, replace grate and any riprap that may have shifted.	Unsat - Remove leaves/debris from area.
Dodd RV Trailer Sales	200300062	Pictures on file. Will do 30 day follow up inspection and then 6 month follow up.	3/23/2012	Leah Aguilar	Yes	Retention Basin	1	5825	Sat	Unsat - Area overgrown with woody vegetation; needs to be removed. Remove leaves and debris from area. Remove bicycle from area.	Unsat - Clear area of woody vegetation, vines, leaves, debris. Keep outlet areas clear of debris. Outfall area satisfactory.
Victory Estates	200600374-B	Pictures on file. Resident asked if development could cut down top of embankment to make a wider walking area. Met with her to discuss her options and inspected pond while on site.	3/23/2012	Leah Aguilar	Yes	Retention Basin	1	5855	NA	Unsat - Remove pines and woody growth from inlet area and coming through rip-rap.	Sat
Central Baptist Church	200100839	Pictures on file.	3/26/2012	Leah Aguilar	Yes	Retention Basin	1	5845	NA	Sat	Sat - Outfall pipe has sediment buildup.
Harts Storage	200500305	Pictures on file.	3/26/2012	Leah Aguilar	Yes	Constructed Stormwater Wetland	1	5843	Sat	Sat - Potential for erosion at inlets; suggest addition of riprap below piping to stabilize banks.	Sat
Maranatha Baptist Church	200500948-2	Pictures on file. Only able to inspect 1 (of 2) trenches. Unable to remove cap of observation well on other trench.	3/26/2012	Leah Aguilar	Yes	General Infiltration Practices	1	5849	NA	Sat	NA
St Joan of Arc Catholic Church	Q09a-0760-2688	Pictures on file.	3/26/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5847	NA	Sat	NA
St Joan of Arc Catholic Church	Q09a-0760-2688	Pictures on file.	3/26/2012	Leah Aguilar	Yes	General Infiltration Practices	1	5848	NA	Sat	NA
WaWa - Williamsburg	200600352	Pictures on file.	3/26/2012	Leah Aguilar	Yes	Detention Basin	1	5846	NA	Unsat - Remove emerging woody vegetation from area. Clear area of debris/sediment. Remove vegetation from inside pipe.	Sat - Outfall region is completely overgrown and inaccessible. May want to consider cutting access path to outfall pipe for maintenance.
Coastal Community Church	200900081	Pictures on file.	3/27/2012	Leah Aguilar	Yes	Extended Detention Basin	1	5882	NA - Unable to fully inspect - covered in algae. Will reinspect during dry season.	Unsat - Replace stone missing from entryway (cover black cloth).	NA
Wachovia - Grafton	200400016	Pictures on file. Property now Wells Fargo.	3/27/2012	Leah Aguilar	Yes	Retention Basin	1	5876	Sat	Unsat - Concrete swale from parking lot has significant erosion around and under it. It needs to be stabilized at bottom end. Recommend addition of rip-rap/stone below swale to stabilize before further erosion occurs.	Sat
Gables of York	U02d-4641-1404	Pictures on file.	3/28/2012	Leah Aguilar	Yes	Retention Basin	1	5902	NA	Sat	Sat - Outfall area (ditch) operational but does have some leaf debris.
Greenlands	T02a-2393-4312	Pictures on file. Lake 5	3/28/2012	Leah Aguilar	Yes	Retention Basin	1	5897	NA	Unsat - Minimal leaf debris in inlet area. Erosion evident around inlet pipes; area needs to be filled and ground cover re-established. Inlet pipe at north end damaged; need to cover exposed pipe to prevent further damage.	Unsat - Erosion present around SE outlet pipe; needs stabilization and ground cover. Recommend removal of all trees/shrubs in inlet/outlet pipe areas

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Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Animal Clinic of Williamsburg	NA	Sat	Sat	Sat	Sat - One bare area along top beside fence. Need to re-establish ground cover in this area.	Sat		Sat
Dodd RV Trailer Sales	Unsat - See above notes.	Unsat - Remove all vegetation from spillway. Remove pine tree from middle of spillway. Keep area clear of vegetation and debris.	Unsat - Unable to inspect bottom; will access at next inspection. Need to clear side slopes of all woody vegetation, shrubs. Mow grass and maintain to 3-8" high.	NA	Unsat - Removal of woody vegetation and mowing needed.	Sat - Appear sound.		Unsat - Need to have clear access all the way around pond and to inlet/outlet piping at all times. Clear slopes of woody vegetation as listed above. Leave a vegetated buffer strip (grass or wetland fringe) around water's edge approximately 2' wide.
Victory Estates	Sat	Sat	Sat	NA	Sat - Note that there is a trail being worn around top of embankment by pedestrians.	Sat		Sat
Central Baptist Church	NA	Sat	Sat - Erosion evident on slopes but appears stable now.	NA	Sat	Sat		Sat - Be sure to leave un-mowed buffer strip around pond perimeter and do not mow wetland grasses. Minimal trash and leaves need removal.
Harts Storage	Sat	Sat	Unsat - Erosion present on side slopes between two inlet pipes. Pines emerging on slopes that need removal; especially at inlet regions. Bottom fine.	Sat - Fencing down in one area - appears intentional	Sat	Sat		Sat
Maranatha Baptist Church	NA	NA		NA	NA	Sat	NA	Unsat - Per agreement, "obsevation wells are required to be inspected after each significant storm event to ensure a 48 hour drawdown time." Keep record of inspections to be viewed by York Co. upon request.
St Joan of Arc Catholic Church	NA	NA	Sat	NA	Sat	Sat		Sat
St Joan of Arc Catholic Church	NA	NA		NA	Sat	Sat	NA	Sat
WaWa - Williamsburg	Sat	NA	Sat	NA	Sat	Sat		Sat - Remove trash from structure
Coastal Community Church	Unsat - Does not appear to be draining. Perforated pipe is likely clogged with algae. Pipe will need inspection and/or cleaning. Clear drop inlet cover of debris. Inspect outlet structure regularly for obstructions.	NA	Unsat - Unable to see bottom. Slopes are bare in several areas; need to reseed and establish ground cover. Once ground cover is established, leave an un-mowed strip around pond perimeter to prevent erosion.	NA	Unsat - Bare spots apparent - need to re-establish ground cover.	Sat - Appear sound.		Unsat - Regular inspections are needed and issues resolved to ensure BMP functions as designed.
Wachovia - Grafton	NA	NA	Unsat - Erosion taking place all around shoreline. There is no vegetated buffer strip or wetland grasses present. Bottom OK	NA	Sat	Sat		Sat - Minimal trash pick up required in and around pond. Landscapers to leave and unmowed strip around pond perimeter or install wetland vegetation into the basin to prevent further erosion.
Gables of York	Sat - Minimal debris on grate.	NA	Unsat - Significant erosion around shoreline. Suggest addition of wetland grasses into the basin. Also suggest refortification of riprap at corners. Several holes in slope (Gable Way side) which need filing and re-seeding.	Sat	Sat	Sat - Appear sound		Sat
Greenlands	NA	NA	Unsat - Erosion present in some areas; suggest filing and addition of ground cover. Bare areas on top of slope need re-seeding. Tire marks/damage present from (mowers).	NA	Sat	Unsat - Outfall pipe at SE corner is damaged by tree roots; recommend removal of trees/limbs/root system in this area and eventual replacement of pipe.		Sat - Remove limbs/branches from buffer strip and basin.

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Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Animal Clinic of Williamsburg	NA	Sat	Sat	Sat	Sat	NA	Sat	Sat
Dodd RV Trailer Sales	Sat - Appears healthy	Unsat - Issues noted.	Unsat - Amount of vegetation present in pond near emergency spillway may affect storage.	NA - Noted	Sat	Unsat - Need to be making monthly inspections of inlet/outlets to check for obstructions. Keep records of inspections and any BMP maintenance to be reviewed upon request by York Co.	NA	Unsat - Noted.
Victory Estates	Sat - Note that there is a fair amount of algae already present in pond.	Sat	Sat	Sat	Sat	NA	Sat	Sat
Central Baptist Church	Sat - Appears healthy now but at least 30% of pond is covered in algae. Need to consider algae control measures. Also may want to consider addition of gambusia fish (mosquito eating).	Sat	Sat	Sat	Sat	Sat	Sat	Sat
Harts Storage	Sat	Sat	Sat	Sat	Sat	Sat		
Maranatha Baptist Church		NA	Sat	Sat	Sat - No water visible in observation well.	NA		
St Joan of Arc Catholic Church	NA	Sat	Sat	Sat	Sat	NA	NA	Sat
St Joan of Arc Catholic Church		Sat	Sat	Sat	Sat	NA		
WaWa - Williamsburg	NA	Sat	Sat	Sat	Sat	NA	Sat	Sat
Coastal Community Church	Unsat - Thick algal mat present; no signs of life.	Unsat - Minimal ground cover around structure. No wetland vegetation is present. No buffer strip present.	Sat	NA - Unable to determine at this time.	Sat	NA	NA	Unsat - Noted
Wachovia - Grafton	Sat	Sat	Sat	Sat	Sat	Unsat - Per agreement, sediment accumulations in forebays are to be removed twice per year. Regular inspections of structure should also be taking place. Please forward evidence of sediment forebay inspection and/or cleanout to Leah Aguilar. Inspection/maint records should be available to York Co. upon request.	Sat	Sat
Gables of York	Sat	Unsat - No wetland fringe or buffer strip has resulted in excessive erosion. This pond would likely be better suited for addition of wetland fringe grasses into basin to help prevent further erosion.	Sat	Sat	Sat	NA	Unsat - Holes in slopes do pose a safety hazard.	Sat
Greenlands	Sat	Sat - FYI - dye distribution throughout pond is uneven.	Sat	Sat	Sat	NA	Sat - Eroded areas around pipes present a safety issue (noted).	Sat

YORK COUNTY BMP NSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmflnspectionId	Forbay	Inlets	Outlets
Greenlands	T02a-2393-4312	Pictures on file. Lake 4	3/28/2012	Leah Aguilar	Yes	Retention Basin	1	5898	NA	Unsat - Exposed piping at inlets on S bank; recommend covering pipes. Inlet pipe on N side completely clogged w/ leaves/debris - no water flow through possible - needs clearing. Tree growing into inlet pipe on S side that needs removal; the rip rap in this area also needs rearrangement. Need to clear all inlet areas/pipes.	Sat
Greenlands	T03c-2028-0478	Pictures on file. Lake 3.	3/28/2012	Leah Aguilar	Yes	Retention Basin	1	5899	NA	Sat - Exposed piping needs to be covered.	Sat
Greenlands	T03c-1258-0578	Pictures on file. Lake 2	3/28/2012	Leah Aguilar	Yes	Retention Basin	1	5900	NA	Unsat - Inlet pipes on S bank clogged with sediment, need clearing. Pipe at SE corner completely clogged w/ debris/sediment; needs clearing - no water flow currently possible. Erosion around pipes on E side, pipes need to be covered and stabilized.	Sat
Greenlands	T03c-1471-1267	Pictures on file. Lake 1	3/28/2012	Leah Aguilar	Yes	Retention Basin	1	5901	NA	Unsat - Clear inlet areas of leaves/debris. Minimal erosion present around inlets, currently stable but suggest filing (safety issue). Inlet pipes & area on E side (library side) need clearing and/or grading. There is seeping and erosion occurring around one of these pipes; needs stabilization and ground cover.	Sat - Keep area clear of leaves/debris.
International Center Ph II BMP2	200700033	Pictures on file. Maintenance contracted by York County. Will reinspect in 6 months.	3/29/2012	Leah Aguilar	Yes	General Infiltration Practices	1	5907	Unsat - Remove trees from in and around forebay area, including growing through riprap. Replace or rearrange riprap if necessary after removal.	Unsat - Remove trees from inlet area and from around inlet pipes. Remove stumps, fill holes and re-establish ground cover.	Unsat - Remove fallen tree from outfall structure. Clear trees from outlet area (same procedure as stated above).
International Center Ph III BMP 3	200700033	Pictures on file. Noticed dumping of concrete and trash onsite. A truck was parked near structure and a person appeared to be living in it. York Co. contracts maintenance for this pond.	3/29/2012	Leah Aguilar	Yes	Retention Basin	1	5908	Unsat - Clear forebay area of trees, remove stumps, fill holes and re-establish ground cover.	Unsat - Clear inlet area and inlet pipe area of trees, refill holes, re-establish ground cover.	Unsat - Clear outlet area and piping as stated above. Unable to inspect DI due to access, will re-inspect after clearing.
Lowes Pond	20040004	Pictures on file. Maintenance contracted by York County. Joe to amend maintenance contract to include items listed in report. Will re-inspect when clearing is complete and again in 6 months.	3/29/2012	Leah Aguilar	Yes	Retention Basin	1	5909	NA	NA - Did not inspect in detail. Will re-inspect after clearing.	Unsat - Remove trees from outlet area (around riprap). Clear outlet are of debris/trash.
Consolidated Wings-Hooters	200300682	This is a 30 re-inspection. Original inspection was 3/1/12. All of issues from original inspection have not been addressed. Will re-inspect in 10 days.	4/2/2012	Leah Aguilar	Yes	Bioretention Basins	1	5946	NA	NA	NA
Crossroads Community Church Ph II	200601227	Pictures on file. Recent construction (piping) has occurred on site.	4/2/2012	Leah Aguilar	Yes	Detention Basin	1	5951	NA	Sat - There is some erosion around inlet but grass has recently been planted. Monitor area to make sure ground cover is established.	Sat
Colonial Crossing Timeshares	200700962	Infiltration basin at rear of property. Pictures on file.	4/3/2012	Leah Aguilar	Yes	General Infiltration Practices	1	5999	NA - Could not inspect in detail -access issues. Will reinspect after clearing.	Sat - Inspected drop inlets draining to pond.	Unsat - Major erosion occurring at outlet channel and under bridge. Eroded areas need to be filled, compacted, and ground cover re-established.
Colonial Crossing Timeshares	B20d-4226-1602	Retention pond at entrance to resort (porte cache area). Pictures on file.	4/3/2012	Leah Aguilar	Yes	Retention Basin	1	6000	NA	Sat - Inspected all drop inlets to basin.	Sat
Colonial Crossing Timeshares	B20d-4226-1602	Two detention basins at front of property (along Mooretown) on either side of English Garden.	4/3/2012	Leah Aguilar	Yes	Detention Basin	1	6002	NA	Unsat - Inlet pipes clogged with sediment, debris, vegetation. Clear inlet pipes and surrounding area to ensure water can flow into basin.	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Greenlands	NA	NA	Sat - Erosion present around shoreline of SE bank; suggest addition or transplantation of wetland grasses into basin in this area. Lawnmower damage evident.	NA	Sat	Sat - Cover all exposed piping to prevent damage.		Sat
Greenlands	NA	NA	Unsat - Damage to slopes by lawnmowers. Erosion present on W slope; suggest addition/transplant of wetland grasses into basin in this area. Woody vegetation that has been previously cut down is sending up new shoots; suggest cut down and removal of entire root system then reestablishment of ground cover in area.	NA	Sat	Sat		Sat - Removal of limbs/dead vegetation from buffer region.
Greenlands	NA	NA	Sat - Damage to all slopes from lawnmowers; suggest mowing only when ground is dry and that damaged areas be reseeded.	NA	Sat	Sat		Sat - Removal of 2 downed trees and limbs in buffer region.
Greenlands	NA	NA	Sat - Most woody veg has been cut down but some stumps are throwing up shoots. May want to consider removal of entire root system and/or re-cut down. One downed bush needs removal.	NA - Warning signage present.	Sat - Animal burrow present. Few bare areas need re-seeding.	Sat - Apepar sound.		Sat - Buffer strip doing great job of catching leaves/needles before going into pond but it will need to be cleared out (raked or blown) also. Ensure leaves/debris are not deposited into pond during cleanup.
International Center Ph II BMP2	NA	Unsat - Clear emergency spillway of trees and obstructions, re-establish ground cover as needed and mow.		NA	Unsat - Clear dam area completely of trees (willows, pines, etc). Fill holes and re-establish ground cover.	NA - Apear sound but did not inspect in detail; will reinspect after clearing.	NA	Unsat - Clear access path from parking lot to BMP and all the way around structure. Ensure clear access paths are kept to all inlet/outlet pipes. Perform routine maintenance to discourage further woody growth; once dam and access paths have been cleared and ground cover re-established, maintain to 3-8" high.
International Center Ph III BMP 3	NA - Unable to inspect, will inspect after clearing.	Unsat - Clear spillway of trees & obstructions, re-establish ground cover and maintain cover at 6-8".	Unsat - Clear side slopes of trees/woody vegetation as specified above.	NA	Unsat - Clear of woody vegetation as specified above. Completely clear dam area of woody growth.	NA - Did not inspect in detail due to access - will re-inspect after clearing.		Unsat - After site (tree) clearing is complete, perform regular maintenance as specified on plans. Keep vegetation cut to 6-8". Ensure access paths are cleared to structure, completely around structure, and to inlet/outlet areas.
Lowes Pond	Sat	Sat - Note that concrete on Lowe's side is cracked and leaning slightly but appears sound.	Unsat - Mow side slopes and maintain at 6-8" high. Remove two dead trees from slopes and large branches. Slope on Lowe's side has two areas of erosion that need repair. Need to add soil, compact, and re-establish ground cover in these areas.	NA	Unsat - Remove all trees from either side of dam, remove stumps, fill holes and re-establish ground cover. Keep dam mowed.	Sat - Apear sound, will re-inspect in more detail next inspection.		Unsat - Mowing needed on access path, woody shoots are emerging. Maintain access path around pond and to inlet/outlet areas. Renegotiate contract to include mowing of side slopes.
Consolidated Wings-Hooters	NA	NA	Unsat - Have not re-seeded bare spots around basin	NA	NA	NA	NA	Sat
Crossroads Community Church Ph II	Sat	Sat	Sat - Mow basin bottom during dry season to be able to do inspection of bottom.	NA	Sat - Animal burrows present.	Sat		Sat
Colonial Crossing Timeshares	NA	NA		NA	Unsat - Pines are present on top of embankments and slopes leading to basin. All pines/woody growth needs to be removed, stumps removed, holes filled, and ground cover reestablished.	Sat - Apear sound	NA	Unsat - Slopes need to be mowed regularly. Mow entire slope at least twice per year. The rest of the year, mow all of slope except for a vegetated buffer strip around the shoreline. Do not remove wetland plants from inside basin. Ensure no woody growth is present on slopes or embankments. Ensure clear access paths are maintained at all times to inlet/outlet areas.
Colonial Crossing Timeshares	NA	NA	Sat	Sat	Sat	Sat		Sat
Colonial Crossing Timeshares	Sat	NA	Sat	NA	Sat	Sat		Sat

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Greenlands	Sat - Healthy system.	Sat - Woody vegetation coming in on slopes, suggest removal before any further growth.	Sat	Sat	Sat	Unsat - Dumping by residents apparent (limbs, clippings, etc).	Sat	Sat
Greenlands	Sat - Healthy system.	Sat - Suggest removal of woody shrubs.	Sat	Sat	Sat	Unsat - Fountain sprayer currently unoperational.	Sat	Sat
Greenlands	Sat - Appears healthy. FYI, blue dye not evenly distributed throughout pond.	Unsat - Woody shrubs/trees along shore previously cut down have thrown up new shoots. Need to recut; suggest removal of entire root system, filling holes and planting cover.	Sat	NA - Issues noted.	Sat	Unsat - Dumping evident in and around pond in at least 5 areas (grass clippings, leaves, limbs, chunks of removed grass & dirt, hanging basket liners).	Sat	Sat - Issues noted.
Greenlands	Sat	Sat - Good establishment of wetland vegetation.	Sat	Sat	Sat	Unsat - FYI - fountain sprayer is not currently operational.	Sat	Sat
International Center Ph II BMP2		NA - Noted above.	Unsat - Several downed and dead trees in basin; need to clear basin bottom of trees.	Unsat - Removal of tire and any other trash from basin.	Sat - From water lines and current water level, basin does appear to be infiltrating adequately.	Unsat - Clear side slopes of fallen trees & large limbs on all sides. Do not need to remove any living trees from slopes (except dam mentioned above).		
International Center Ph III BMP 3	NA - Unable to inspect. Did not see any water.	Unsat - Issues noted above.	Unsat - Overgrown vegetation needs removal.	NA - Noted.	NA	NA	Unsat - There is a huge sinkhole on site that needs filling and seeding.	Unsat - Issues noted above.
Lowes Pond	Unsat - A lot of algae present in pond. Possible fertilizer runoff from Lowes parking lot.	Unsat - Issues noted.	Sat	Sat - Minimal trash present at pond perimeter that needs removal.	Sat	NA	NA - Did not inspect aquatic bench in detail; will re-inspect	Unsat - Issues noted. Need to perform more frequent mowings on slopes to keep woody growth out.
Consolidated Wings-Hooters		Unsat - Replacke 2 dead shrubs that have been removed.	NA	NA	NA	Unsat - Remove plastic storage bin from basin.		
Crossroads Community Church Ph II	NA	Sat	Sat	Sat	Sat	NA	Sat	Sat
Colonial Crossing Timeshares		Unsat - Issues noted	Unsat - This is designed as an infiltration basin and it is holding water for what appears to be an extended time. Need to determine why basin may not be infiltrating and address any issue.	NA - Issues noted.	NA - Issues noted.	NA		
Colonial Crossing Timeshares	Sat - Appears healthy. Algae present.	Sat	Sat	NA	NA	NA	NA	Sat
Colonial Crossing Timeshares	NA	Sat	Sat	Sat	Sat	NA	NA	Sat

YORK COUNTY BMP INSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmflnspectionId	Forbay	Inlets	Outlets
Community Services Coalition	D15A-2443-4743	Rain garden in rear of storage shed. Pictures on file.	4/3/2012	Leah Aguilar	Yes	Bioretention Basins	1	6012	NA	NA	NA
Crossroads Community Youth Home	200701222	Pictures on file.	4/3/2012	Leah Aguilar	Yes	Detention Basin	1	6013	NA	Unsat - Remove sediment and vegetation from inflow pipe.	Sat
Home Depot	200300747	Filterras. This is a (30 day) re-inspection.	4/3/2012	Leah Aguilar	Yes	Bioretention Basins	1	6004	NA	Sat	Sat
Reserve Retirement Community	200900143-01	Retention pond at rear of property near pump station (sediment basin). Pictures on file. Will re-inspect in 30 days.	4/3/2012	Leah Aguilar	Yes	Retention Basin	1	6007	NA	Unsat - Exposed piping (tops) at inlets needs to be covered (ground cover) to prevent damage. Excessive erosion present around inlet piping. Suggest addition of riprap/stone around and under inlet piping to fortify.	Unsat - Clear outlet area of vegetation and debris (around outfall structure and piping). Maintain a clear access path to outfall ditch. Exposed black filter cloth at outfall ditch.
Reserve Retirement Community	200900143-03	Pictures on file. Retention pond located behind pool/pool house. Will re-inspect in 30 days.	4/3/2012	Leah Aguilar	Yes	Retention Basin	1	6009	NA - Could not do a detailed inspection of forebay; water level high and inlet pipe to forebay almost completely under water.	Sat	Unsat - Ensure a clear access path is maintained at all times to outfall area.
Williamsburg Hellenic Center	200800449	Pictures on file. Will reinspect in 30 days.	4/3/2012	Leah Aguilar	Yes	Retention Basin	1	6014	Unsat - Remove sediment/debris from inlet pipe & surrounding area. Remove woody growth from overflow weir.	Sat	Sat - Ensure clear access path is maintained to outfall area at all times.
CVS Pharmacy#75555	200900124	Filterra. No issues.	4/4/2012	Leah Aguilar	Yes	Bioretention Basins	1	6018	NA	Sat	Sat
Bennett's Creek Nursery	H14d-3435-0698	Pictures on file. Will reinspect in 60 days.	4/5/2012	Leah Aguilar	Yes	Grassed Swale	1	6026		Unsat - Pipes throughout are clogged with sediment and leaf debris; some are almost completely full. All pipes along swale/ditch are to be clear of debris.	Unsat - See above notes.
Colonial Harbor Retirement Residence	200500971	Pictures on file. Two connected basins. Will reinspect in 30 days. For any maintenance work that takes place, care needs to be taken to do as little damage as possible to wetland vegetation and basin bottoms. For any trees that are removed, stumps are also to be removed, holes filled and ground-cover re-established in area. During maintenance work, measures are to be taken to ensure minimal sediment deposition into BMP.	4/5/2012	Leah Aguilar	Yes	Retention Basin	1	6017	Unsat - Remove trash from area. Leaves have built up in forebay area of smaller basin and need to be cleared.	Unsat - Ensure all inlet pipes and inlet areas are kept clear of debris. Remove trees (pines, willows) coming up in inlet areas (around pipes). Replace any riprap disturbed during removal.	Unsat - Outfall area into ditch needs to be kept clear. Trees coming up near outlet structures or piping need prompt removal. Ensure perforated piping is kept clear of debris.
Holiday Inn & Suites Wmbg	2007-03	Pictures on file. Inspection with Norman (maint. mgr). Will reinspect in 60 days. Please contact Leah Aguilar when contracted inspection of unit will take place.	4/5/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6020	NA	Sat	Sat
New Quarter Baptist Church	200900139	Pictures on file.	4/5/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6019	NA	Sat	Sat
Abel Construction	200800219	Pictures on file. Will re-inspect in 5 days. Landscaper was arriving as I was leaving and will be taking care of some of the issues.	4/6/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6031	NA	Sat - Some sediment present in inlet pipe that needs clearing.	Sat - Keep outfall area and piping clear of vegetation.

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Community Services Coalition	NA	NA	Unsat - Remove weeds and dead vegetation. Prune shrubs as needed. Remulch entire garden. Replant shrubs as needed (minimum of 9 per plans).	NA	NA	NA	NA	Unsat - Issues noted. Garden needs regular maintenance to function as designed.
Crossroads Community Youth Home	Unsat - Keep area around debris rack (bottom of outlet structure) clear to ensure water can flow through pipe.	NA	Sat - Remove one small tree coming up through riprap.	NA	Sat	Sat		Sat
Home Depot	NA	NA	NA	NA	NA	Sat	NA	Sat
Reserve Retirement Community	Unsat - Broken off pieces of piping inside outfall structure (drop inlet) need removal.	NA	Unsat - Significant erosion present on slopes all around structure. Need to fill in eroded areas, compact, and re-establish ground cover. Woody vegetation is coming in on slopes. Need to clear/mow slopes all the way to shoreline and re-seed to establish ground cover. Mow entire slope twice per year; the rest of the year mow all of slope except for vegetated buffer region around shoreline.	NA	Sat - Keep mowed between 6-8" to discourage woody growth.	Sat		Unsat - Issues noted above. Structure needs to be clear of woody growth and have ground cover established. All erosion issues need to be rectified. Remove trash from basin.
Reserve Retirement Community	Unsat - Riser (drop inlet) is almost full of water. Need to check outfall and dewatering orifice pipes for clogs and clear if needed to ensure water can flow through.	NA	Unsat - Erosion present on slopes. Eroded areas need to be filled, compacted and re-vegetated. Do not plant vegetation until erosion issues are resolved. One eroded area has been recently reseeded but erosion was not first corrected; will need to repair this area. Need to mow entire slope twice per year to discourage woody growth. The rest of the year, mow all except a vegetated buffer strip. Keep clear access paths to inlet and outlet areas (piping) at all times. See notes on item 19.	NA	Unsat - Bare spots on top need reseeded, especially parallel to road and on opposite side.	Sat - Appear sound		Unsat - Issues noted. Be sure not to remove wetland fringe plants during regular maintenance. Pick up trash around pond.
Williamsburg Hellenic Center	Unsat - Low flow outlet at bottom of outfall structure is likely clogged - water does not appear to be flowing at all. Outlet needs to be cleared if clogged and regularly checked.	NA	Unsat - Significant erosion occurring on 3 slopes. Eroded areas need to be filled, compacted, and ground cover re-established in area.	NA	Sat - Erosion in one corner needs repair.	Sat		Sat - Two trees on embankments are leaning badly and need to be uprighted and re-secured.
CVS Pharmacy#75555	NA	NA	NA	Sat	NA	Sat	NA	Sat
Bennett's Creek Nursery				NA	Unsat - Some embankments have collapsed and need rebuilding as per original plans.		NA	Unsat - Leaf removal needed. Sediment removal needed in drop inlet. Ensure ground cover is established throughout swales and grass height is maintained at 6-8" high.
Colonial Harbor Retirement Residence	Unsat - Exposed concrete piping in smaller basin needs to be covered (over black filter cloth) with soil and reseeded to prevent damage to pipe. Ensure spillway is kept clear of debris.	NA	Unsat - Pines/woody vegetation has come in on slopes. For smaller pond, all woody growth needs to be removed from in and around pond. For larger pond, all woody growth needs to be removed from slopes and shoreline of half of the pond (the half with less growth and closer to the smaller pond).	NA	Unsat - Bare spots along top of embankments need re-seeding.	Sat - Appear sound.		Unsat - Trash and leave removal throughout. Regular inspections of inlet/outlet areas need to be occurring to prevent clogs. Other issues noted. Remove tree that has fallen in larger pond.
Holiday Inn & Suites Wmbg				NA		Sat - All three manhole covers were removed during inspection.	NA	Unsat - Per agreement, owner to contract annual inspection of unit by OSHA confined space trained personnel. Documentation of this inspection and any repairs made must be presented to York Co.
New Quarter Baptist Church	NA	NA	Sat	NA	Sat - Watch ground cover; it is starting to look sparse.	Sat		Sat
Abel Construction	Unsat - Trash rack and 3" low flow orifice at bottom of outlet structure are not even visible; need to clear and keep clear these areas.	Unsat - Could not even determine an elevational difference; may need grading.	Unsat - Mow and maintain vegetation to a height of 3-8". After mowing, ensure ground cover is present throughout slopes; looks as if weeds may have shaded out grass.	NA	Sat	Sat - Blue inlet pipe is cracked at end (pipe is not even specified on plans).		Unsat - Issues noted. Agreement calls for weed removal in and around basin.

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Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Community Services Coalition		Unsat - Four trees and four shrubs present. Remove and replace two dead Dogwood trees.	NA	NA	NA	NA		
Crossroads Community Youth Home Home Depot	NA	Sat	Sat	Sat	Sat	NA	Sat	Sat
Reserve Retirement Community	Sat - Appears healthy.	Unsat - Inadequate vegetation. This pond would likely benefit from the addition of wetland fringe plants into the basin. Other issues noted.	Sat	Sat - Note that there is about 12-18" of bare soil around the entire shoreline of pond. This does not appear to be due to sedimentation, rather lack of vegetation. However, continued erosion may increase amount of sediment entering basin. Other issues noted.	NA	NA	NA	Unsat - Issues noted
Reserve Retirement Community	Sat - Healthy.	Unsat - Issues noted.	Sat	Unsat - Sediment is clearly flowing into pond at eroded areas (picture). Seeding the adjacent parcel may help this some.	NA	Unsat - Fountain is positioned too close to shoreline and outfall structure. The water spray has caused significant erosion of the bank in this area. Need to anchor sprayer in middle of pond and/or reduce water spray velocity so it does not spray onto shore. On slope area damaged by spray, need to ensure bank (slope) is constructed as per design plans, will likely need to add soil to bring back to plan specs. Repair erosion and re-establish ground cover here. Ensure no sediment flows into pond during repair (use silt fencing).	NA	Sat - Issues noted.
Williamsburg Hellenic Center CVS Pharmacy#75555	Unsat - Excessive algal growth. May have mosquito issues.	Sat	Sat	NA	Sat	NA	Unsat - Cannot determine health of aquatic bench. Most aquatic veg is dead now. May come back during growing season. Will reassess on next inspection.	Sat
Bennett's Creek Nursery		Unsat - Inadequate ground cover.		NA	NA	Unsat - Swales are no longer straight, no longer have full ground cover, and have collapsed/eroded in some area. Swales will need to be re-dug according to original plans and ground cover established in these areas.		
Colonial Harbor Retirement Residence	Sat - Appears healthy. Note that the presence of stagnant water and the adjacent wetland area will invite mosquitos. Consider the addition of mosquito fish to the larger pond.	Unsat - Issues noted on woody growth. Good establishment of wetland vegetation.	Sat	NA - Issues noted.	Sat	NA	Sat	Unsat - Issues noted.
Holiday Inn & Suites Wmbg	NA	NA	NA - Cannot determine at this time.	Unsat - Trash and debris present in unit.	NA	NA		
New Quarter Baptist Church	NA	Sat	Sat	Sat	NA	NA	NA	Sat
Abel Construction	NA	Unsat - Issues noted. No woody growth present.	Sat	Sat	Sat	NA	NA	Unsat - Issues noted

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
J.A.B. (Grafton Station Leasing Office)	200800428	Pictures on file. Will reinspect in 30 days. For any maintenance work that takes place, care needs to be taken to do as little damage as possible to wetland vegetation and basin bottoms. For any trees that are removed, stumps are also to be removed, holes filled and ground-cover re-established in area. During maintenance work, measures are to be taken to ensure minimal sediment deposition into BMP.	4/6/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6030	Unsat - Covered in algae; could not tell how much sediment was present.	Sat	Unsat - Inspect perforated pipe leading to outfall structure; it appears to be clogged. No water is moving. Cap on outlet structure is rusted.
Lakeside Dr. Retail Shops	200800437	Pictures on file. May want to replace riprap at entry drain; some is missing.	4/6/2012	Leah Aguilar	Yes	Bioretention Basins	1	6027	NA	Sat	NA
Yorktown Commerce Park	200700051	Basin surrounded by four bioretention filters. Resident made a drainage complaint while on site about rear of building 328. Pictures on file. Will reinspect in 30 days.	4/9/2012	Leah Aguilar	Yes	Retention Basin	1	6038	NA	Sat	Sat
Abel Construction	200800219	Pictures on file. Arrived for property inspection on 4/6/11 and landscaper was present so re-scheduled inspection for today. Property is currently for lease.	4/10/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6050	NA	Sat	Sat
Coventry Professional Park	200600853	Pictures on file. Will reinspect in 30 days. For any maintenance work that takes place, care needs to be taken to do as little damage as possible to wetland vegetation and basin bottoms. For any trees that are removed, stumps are also to be removed, holes filled and ground-cover re-established in area. During maintenance work, measures are to be taken to ensure minimal sediment deposition into BMP. Do not remove any wetland vegetation. Cat food set out at several locations around pond.	4/10/2012	Leah Aguilar	Yes	Retention Basin	1	6075	NA	Unsat - Clear all inlet areas (swales, pipes, etc) at minimum 10 feet on either side (leave or plant grass only in these areas) to allow for maintenance and inspection.	Unsat - Clear outlet pipes and areas as listed above. Unable to inspect outfall region in detail.
Goddard School	20100083	Pictures on file.	4/10/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6054	NA	Sat - Inlet pipe near emergency spillway needs to be cleared of sediment buildup.	Sat
Goddard School	20100083-2	Filterra adjacent to detention basin.	4/10/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6055	NA	Sat	Sat
Peninsula Community Chapel	200600909-BMP1	Pictures on file. Basin on right side of driveway as you enter. Will return in 30 days.	4/10/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6071	Sat	Unsat - Clear sediment and vegetation from inlet pipe and surrounding riprap.	Unsat - Clear concrete swale of debris, sediment, vegetation to ensure clear water flow path.
Peninsula Community Chapel	200900527-BMP2	Pictures on file. All satisfactory. Reinspection in one year.	4/10/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6072	Sat	Sat	Sat
Peninsula Community Chapel	200900527-BMP3	Pictures on file. At rear of property. Will reinspect in 30 days.	4/10/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6074	Sat - See notes on side slopes.	Sat	Unsat - Clear outlet pipe (at outfall ditch area across from outfall structure) of sediment and vegetation. Establish ground cover in outlet area inside basin.
Seaford Scallop	200501125	Pictures on file. Will follow-up in 30 days.	4/10/2012	Leah Aguilar	Yes	Bioretention Basins	1	6069	NA	Sat	Sat
Staybridge Suites	200800015	Four filterras in parking lot. Pictures on file. Will re-inspect in 30 days.	4/10/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6065	NA	Unsat - See notes under routine maintenance.	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
J.A.B. (Grafton Station Leasing Office)	NA	NA	Unsat - Clear side slopes of woody vegetation and vines. Repair eroded areas of slopes and re-establish ground cover.	NA	Sat	Sat		Unsat - Mow as needed to maintain vegetation at 3-6" high. There is a significant amount of trash and debris in and around the basin which needs clearing. Remove limbs and dead vegetation from in and around basin.
Lakeside Dr. Retail Shops	NA	NA	NA	NA	NA	Sat	NA	Sat
Yorktown Commerce Park	Sat - Riser looks good. Exposed concrete piping at rear of structure needs to be covered with dirt and then ground cover. Suggest addition of stone or riprap under the pipe where erosion is occurring.	NA	Unsat - Some bare areas on slopes need re-seeding. Erosion is occuring around shoreline due to lack of buffer. Establish vegetated buffer by either leaving an unmowed strip around the shoreline or the addition of wetland fringe plants into the basin (recommended).	NA	Unsat - Water is flowing over sides of bioretention filters into basin and causing erosion rather than through drop inlet. Will need to regrade basin or raise embankment on pond side to prevent further erosion. For any work that is done, ground cover will need to be established.	Sat		Sat - Establish vegetated buffer as mentioned above.
Abel Construction	Unsat - The trash rack area at bottom of outfall structure is covered with vegetation and debris. This area needs to be cleared and kept clear at all times to allow drainage of basin.	Unsat - Appears to be at same elevation as embankment. May need grading to ensure overflow flows in desired direction.	Sat	NA	Sat	Sat - Note that end of blue inlet pipe is cracked but still operational.		Sat - Vegetation on slopes, bottom and embankments needs to be maintained at 3-6" high.
Coventry Professional Park	NA - Could not inspect.	NA	Unsat - Overgrown with woody vegetation. Heavy deposition of leaves, pine needles, trash & debris. Need to clear slopes of all the above. Slope beside adjacent property owner's fence does not need to be cleared at this time.	NA	NA	NA - Could not inspect at this time.		Unsat - Clear access path for maintenance and inspection needs to be maintained around all sides (top) of BMP at all times. Do not need path on side with fencing.
Goddard School	Sat	Sat	Sat - Some erosion occurring around shoreline in areas with no wetland vegetation. Suggest addition of wetland fringe here or leaving an un-mowed strip in these areas to prevent further erosion.	Sat	Sat - One bare spot in corner needs re-seeding to establish ground cover.	Sat		Sat
Goddard School				NA		Sat	Sat	Sat
Peninsula Community Chapel	Sat	NA	Unsat - Mow side slopes on forebay side. Mow all slopes twice per year to maintain vegetation height of 3-6." Do not mow wetland vegetation. Recommend removal of pine and willow trees at corner (esp. pine).	NA	Sat	Sat		Sat - See notes under item #6.
Peninsula Community Chapel	Sat	Sat	Sat	Sat	Sat	Sat		Sat
Peninsula Community Chapel	Sat	Sat	Unsat - Bare areas need re-seeding (establish ground cover), especially near outlet structure. Remove woody growth emerging along slopes. Wetland fringe bottom has failed to establish as per plan. May need to install wetland vegetation. Need ground cover on all slopes to waters edge. Basin bottom is to be fully covered (grass).	NA	Sat	Sat		Sat
Seaford Scallop	NA	NA	Unsat - Remove weeds	NA	Sat	NA	NA	Unsat - Prune trees/shrubs as needed, remove weeds, add mulch 2-3" thick.
Staybridge Suites				NA		Sat	Sat	Unsat - Sediment has built up at inlet to Filterras. Need to remove sediment. Suggest lining inlet area with stones to help catch debris (photo attached). Need to open grates, remove leaves & litter and replace mulch.

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Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
J.A.B. (Grafton Station Leasing Office)	Unsat - Significant algal growth; does not appear healthy.	Unsat - Woody growth present. Slopes are overgrown. No wetland vegetation is present.	Unsat - Issues noted.	Unsat - Sediment is built up (deposited) around shoreline. Pond may need dredging. Owner to get separate inspection to determine if dredging is needed. If dredging is needed, proof of such must be sent to county. If no dredging is needed, vegetation (ground cover) needs to be established all the way to the water's edge.	Sat	Unsat - The stagnant water will likely create a mosquito problem. Need to perform regular inspections (and clearing) of outfall structure to ensure water is moving out.	NA	Unsat - Issues noted
Lakeside Dr. Retail Shops		Sat	NA	Sat	NA	NA		
Yorktown Commerce Park	Sat	NA - Issues noted.	Sat	Unsat - Sediment has accumulated in bioretention filters and needs to be cleared from area.	NA	Unsat - Bioretention filters need attention: basins are overflowing down side slopes into pond (in some areas) rather than through drop inlets. May need to raise embankment between filters and pond to avoid this type of erosion. Original plan calls for 2-3" of hardwood mulch throughout filters; this needs to be added. Remove and replace any dead vegetation within filters.	NA	Sat - Issues noted.
Abel Construction	NA	Sat	Sat	Sat	NA	NA	NA	Sat
Coventry Professional Park	NA - Could not inspect in detail due to access.	Unsat - Slopes overgrown with woody vegetation that needs removal.	NA - Could not determine at this time	NA - Could not determine at this time	Sat	NA		
Goddard School	Sat - Excessive algal growth present - may want to consider algae control measures. Also be advised that stagnant water may increase mosquitoes.	Sat - Good establishment of wetland vegetation.	Sat	Sat	Sat	Unsat - White PVC inlet pipe is exposed and erosion is occurring around it. Recommend addition of fill and ground cover or stone to prevent further erosion in area. There should be no length of exposed PVC pipe (only the end of pipe should be exposed).	Sat	Sat
Goddard School	NA	Sat	Sat	Sat	NA	NA		
Peninsula Community Chapel	Sat	Sat - Issues noted.	Sat	Sat	Sat	NA	Sat	Unsat - Issues noted.
Peninsula Community Chapel	Sat	Sat	Sat	Sat	Sat	NA	NA	Sat
Peninsula Community Chapel	Unsat - Stagnant water could lead to mosquito issues. Excessive algal growth. The installation of wetland fringe and/or vegetated buffers will help with algae.	Unsat - Lack of wetland plants, woody growth coming up along water's edge.	Sat	Sat	Sat	NA	NA	Sat
Seaford Scallop		Sat - One dead shrub needs replacement.	Sat	Sat	Sat	NA		
Staybridge Suites	NA	Sat	NA	Unsat - Issues noted.	NA	NA		

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
The Peninsula Academy	200900092	Pictures on file. Basin shared between Peninsula Academy and Yorkshire Downs Shopping Center; joint maintenance agreement. 90+ day reinspection due to work needed and season. For any trees that are removed, stumps are also to be removed, holes filled and ground-cover re-established in area. During maintenance work, measures are to be taken to ensure minimal sediment deposition into BMP. After tree removal, basin is to be re-shaped / re-dug as needed to ensure it meets original design specifications.	4/10/2012	Leah Aguilar	Yes	Detention Basin	1	6063	NA	Unsat - Inlet areas are clogged with trees. Inlet areas/piping need to be cleared of trees and debris. There is currently a tree growing directly in front (and blocking) one of the inlet pipes from the Academy parking lot.	Unsat - Outlet areas/pipes need to be cleared of trees and debris as stated above. Clear access to inlet/outlet areas is needed at all times.
Water's Edge BMP	200800494	Pictures on file. Will reinspect in 30-60 days (request that owner be present during reinspection or meet prior to reinspection).	4/10/2012	Leah Aguilar	Yes	Retention Basin	1	6042	Sat - Need to establish ground cover all the way to shoreline. Recommend addition of wetland fringe plants into the basin.	Sat	Sat - Water level several feet below outlet.
Wells Ice & Cold Storage	U09b-4081-4672	Pictures on file. While on inspection, found a sink hole beside vacuum sewer piping. York Co to investigate source of sink hole on property.	4/10/2012	Leah Aguilar	Yes	Grassed Swale	1	6068		Sat	Sat
C & F Bank	200501037	Pictures on file. Overall the BMPs are satisfactory and appear to be well-maintained. Note that owner has installed stone rather than mulch as the top layer into the basins.	4/11/2012	Leah Aguilar	Yes	Bioretention Basins	1	6045	NA	Unsat - Erosion occurring at inlet from parking lot on basin B. Need to add fill, stone, and ground cover as needed to rectify issue. There is also an exposed length of PVC pipe at inlet. Owner to investigate source of pipe and remove or cover/fortify. No exposed piping should be present. Basin A is satisfactory.	Sat
Kings Creek Plantation	I14C-0601-1017 (BMP 2)	Pictures on file. Two connected detention basins.	4/12/2012	Leah Aguilar	Yes	Detention Basin	1	6111	NA	Unsat - Some inlet pipes clogged with leaves/debris. Recommend regular clearing. Water needs to be able to flow easily into basin.	Unsat - Clear grate in front of outlet structure of leaves/debris. Eroded area behind outlet structure along retaining wall.
Kings Creek Plantation	I14C-0601-1017 (BMP 3)	Pictures on file.	4/12/2012	Leah Aguilar	Yes	Detention Basin	1	6112	NA	Sat	Sat - Suggest clearing of grate in front of outlet structure.
Kings Creek Plantation	I14C-0601-1017 (BMP 4)	Pictures on file.	4/12/2012	Leah Aguilar	Yes	Detention Basin	1	6113	NA	Unsat - Significant erosion occurring at inlet area. Suggest fortification with riprap. Area is full of leaves/pine needles and needs clearing.	Sat - Outlet area clear. Remove any volunteer trees that appear in this area.
Kings Creek Plantation - SPH	200601242 (BMP 10)	Pictures on file. Maintenance and tree removal around BMP is to be done in stages. First stage entails clearing bank with outlet structure, removing dead/fallen vegetation around basin, and addressing significantly eroded areas around basin. Will reinspect in 30 days. Further development of this section (Estates) is planned. For any maintenance work that takes place, care needs to be taken to do as little damage as possible to wetland vegetation and basin bottoms. For any trees that are removed, stumps are also to be removed, holes filled and ground-cover re-established in area. During maintenance work, measures are to be taken to ensure minimal sediment deposition into BMP.	4/12/2012	Leah Aguilar	Yes	Retention Basin	1	6110	Unsat - Sediment deposition visible. Woody vegetation has completely invaded forebays and needs clearing.	Unsat - Major erosion occurring at inlet channels that needs repair. Where fill is added to any eroded areas, ground cover also needs to be re-established.	Unsat - Clear and maintain an access path to outfall area.
Kings Creek Plantation Phase I SPE	200200170 (BMP 6)	Pictures on file. Located adjacent to intersection of Aster Lane and Sunflower Court.	4/12/2012	Leah Aguilar	Yes	Detention Basin	1	6109	NA	Sat - Significant erosion present down slopes from parking lot. Riprap is present on some slopes. Suggest addition of riprap in eroded areas.	Unsat - No clear access to outfall area. Suggest maintaining a clear access trail to outfall area. Erosion is occurring around outlet structure and has made a significant hole in area along retaining wall. Suggest filling hole with riprap to help prevent further erosion. Recommend keeping a 10' minimum cleared area around all inlet/outlet structures and piping (ground cover only present).

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
The Peninsula Academy	Unsat - Clear drop inlet grate cover and piping of debris at outlet.	NA	Unsat - Completely overgrown with trees, vines, woody vegetation. Heavy leaf and pine needle litter. No ground cover established. Need to clear bottom and slopes of trees and re-establish ground cover. Water flow route is currently obstructed by trees/debris. Lack of ground cover contributes to erosion and sediment deposition into basin. Heavy leaf/pine needle debris clog up outlets and piping. Tree roots damage piping and destabilize slopes & embankments.	NA	Sat - Top of embankment is being mowed all the way around.	Sat - Appear sound. Will inspect in more detail after site clearing.		Unsat - Clear access paths to inlet & outlet pipes/areas is needed at all times. Significant leaf/trash/debris build up inside basin needs removal. Tree removal needed as stated above. After removal and re-establishment of ground cover, regular mowing of entire structure needs to occur to prevent invasion by woody species.
Water's Edge BMP	NA	NA	Unsat - Bare spots on slopes need reseeding. Side slope vegetation needs to be maintained normally at 3-6". However, since no vegetated buffer has been established around water's edge, maintain height at 8-9" until vegetated buffer is present at shoreline.	NA	Unsat - Mow embankment between forebay and main pool. Re-seed any bare spots to establish ground cover.	Sat		Unsat - Remove any woody vegetation present on slopes, embankments, coming up through riprap, or anywhere else in structure, paying particular attention to inlet and outlet areas. Regular mowing is required.
Wells Ice & Cold Storage				NA	NA		NA	Sat
C & F Bank	NA	NA	Sat	NA	NA	Sat	NA	Sat - Grounds are being maintained. Ensure that any vegetation removed is replaced with the same species. Weeds present in basin were removed while inspector onsite.
Kings Creek Plantation	NA	NA	Sat - Woody vegetation present on bottom and slopes. Suggest regular clearing of dead/fallen vegetation.	Sat	Sat	Sat		NA - No routine maintenance being performed on this basin. Recommend periodic inspections of inlet/outlet areas and piping. Also clearing and maintaining an access path to inlet/outlet areas.
Kings Creek Plantation	NA	NA	Sat - Basin bottom is relatively clear (good). Woody vegetation present on side slopes. Suggest keeping inlet/outlet areas and piping clear of trees.	NA	Sat	Sat		NA - No routine maintenance being performed. Suggest periodic inspections and clearing of inlets/outlets as needed.
Kings Creek Plantation	Sat	NA	Unsat - Basin bottom is overgrown but mostly with grasses/brush. Suggest mowing (and maintaining) before woody vegetation moves in.	NA	Unsat - Ground cover not established throughout. Suggest re-seeding, especially in area near playground.	Sat		Unsat - No routine maintenance being performed. Suggest regular inspections and clearing of inlets/outlets as needed.
Kings Creek Plantation - SPH	Unsat - Riser looks fine. Need to have the area (slopes) around riser cleared of woody vegetation and ground cover re-established.	NA	Unsat - Unable to inspect bottom at this time. Side slopes need to be cleared of all volunteer woody vegetation (leave originally planted trees). Erosion occuring at various areas on slopes needs repair.	NA	Unsat - Inadequate ground cover in some areas; ensure ground cover is established all around structure.	Sat - Appear sound		Sat - No trash visible, mowing is occurring around structure. Once trees are removed and ground cover is established, grass is to be maintained at 6-8." Any dead vegetation is to be promptly removed from site.
Kings Creek Plantation Phase I SPE	Sat - Outlet structure looks good.	NA	Sat - Bottom is pretty clear. Addition of riprap to slopes will help erosion. Remove dead/fallen vegetation.	Sat - See earlier erosion note.	Sat - Erosion issues noted.	Sat		NA - No routine maintenance being performed. Suggest periodic inspections of basin, inlet and outlet areas to check structural components and for obstructions.

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
The Peninsula Academy	NA	Unsat - Issues noted above; completely dominated by woody vegetation.	Unsat - Abundance of trees/vegetation reducing storage volume.	Unsat - Issues noted.	Sat	NA	NA	Unsat - Issues noted
Water's Edge BMP	Unsat - Forebay looks normal, biota present (algae, fish). Main pool looks unnatural and possibly over-treated with chemicals or dye. No sign of life in main pool. Owner to provide County with information regarding the type and amount of chemicals being added into main pool. Owner to cease addition of chemicals/dyes into main pond until County can determine if the amounts/types being added are correct.	Unsat - Vegetated buffer not established (needs to be established). Per plan, sagittaria latifolia should have been planted around pond and forebay perimeter but none is present. Owner to install plants per original plan. Ground cover is to be established on entire slope.	Unsat - Water level is low; possible infiltration occurring.	Sat - Note that per original plan, pond is scheduled for dredging every 5 years (2013).	Sat	NA	Sat	Unsat - Issues noted. There is an un-vegetated strip 2-3' wide around entire shoreline.
Wells Ice & Cold Storage		Sat		Sat	Sat	NA		
C & F Bank		Unsat - Owner to add 8 shrubs (inkberry or equivalent water hardy species) to Basin B and 1 to Basin A per original plan. No trees are required to be added to Basin B due to VA Power easement.	Sat	Sat	Sat	NA		
Kings Creek Plantation	NA	Unsat - Significant woody vegetation present (undesireable). Ground cover not established.	Sat	Sat	NA	NA	NA	NA
Kings Creek Plantation	NA	Unsat - Suggest regular removal of dead/fallen vegetation.	Sat	Sat	NA	NA	NA	Sat
Kings Creek Plantation	NA	Unsat - Area overgrown and significant woody vegetation present. Ground cover not established throughout.	Sat	Sat	NA	NA	NA	Sat - Issues noted.
Kings Creek Plantation - SPH	Sat - Appears healthy. Aerator present (not on during time of inspection).	Unsat - Woody vegetation has overgrown structure. Ground cover not established throughout. Recommend addition of wetland plants/grasses into basin to help capture debris.	Sat	Sat - Issues noted	NA	NA	Unsat - Heavily eroded areas to pose a safety hazard. Suggest surrounding these areas in cones/caution tape until they can be repaired.	Unsat - Issues noted.
Kings Creek Plantation Phase I SPE	NA	Sat - Significant woody vegetation present.	Sat	Sat	NA	NA	NA	Sat

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmflnspectionId	Forbay	Inlets	Outlets
Virginia Trusses	200600049	Pictures on file. This is a 30-day follow up inspection (per request). Will re-inspect in 30 days. Inspection conducted with Steve Sprouse. A copy of the BMP maintenance specifications on the original plan was given to Mr. Sprouse during inspection. Note that maintenance work has occurred at BMP since last visit on 3/12/12. There has also been a berm constructed on the lot that was inspected at the same time as the BMP.	4/13/2012	Leah Aguilar	Yes	Retention Basin	1	6114	NA	Unsat - Inlet areas need to be cleared of sediment, leaves and debris to ensure water can flow freely into pond. Fortify eroded entry areas as needed with riprap and prevent further erosion.	Sat - Riser appears operational. Note that the riser cover is dented.
Arbys Restaurant - Ft. Eustis	200900479	Two connected basins. Basin B (per plans) is the one along GWM Hwy.	4/17/2012	Leah Aguilar	Yes	Bioretention Basins	1	6133	NA	Sat - Note that previous erosion has occurred at inlet areas and has been repaired. Some erosion is still evident around black inlet pipes into Basin A, especially underneath. Recommend addition of stone/riprap under black pipes to prevent further erosion and stabilize pipes.	Sat
Auto Haus	200600918	8 Filterras and paved swale. Pictures on file.	4/17/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6134	NA	Unsat - Inlet areas for Filterras clogged with sediment/leaves. Inlet areas need to be cleaned out. After cleaning, recommend addition of stones at opening that allow water in flow but also stop debris. Regular debris removal would then need to occur.	Sat
Walgreens - Grafton #9811	200700211-A	Located across from drive-thru. Pictures on file. Will reinspect in 30 days. For any maintenance work that takes place, care needs to be taken to do as little damage as possible to wetland vegetation and basin bottoms. For any trees that are removed, stumps are also to be removed, holes filled and ground-cover re-established in area. If trees are removed from riprap area, then rip rap is to be replaced after the removal. During maintenance work, measures are to be taken to ensure minimal sediment deposition into BMP	4/17/2012	Leah Aguilar	Yes	Bioretention Basins	1	6136	NA	Unsat - Remove two trees coming up through rip rap at inlet area (on either side of blue PVC pipe). Clear inlet areas of leaves, sediment and debris so that water can flow into basin.	Unsat - Clear drop inlet (drain) area of trash and vegetation and keep grass in area mowed to 5-8."
Walgreens - Grafton #9811	200700211-B	Pictures on file. See notes on Basin A inspection. Will reinspect in 30 days.	4/17/2012	Leah Aguilar	Yes	Bioretention Basins	1	6137	NA	Unsat - Clear inlets of litter, leaves, debris and sediment to allow water to flow into basin. Concrete swales from parking lot are completely obstructed with debris. There should be no trees on top of or in close proximity to inlet structures or piping.	Unsat - Clear drop inlet (drain) area of debris and vegetation and keep mowed to 5-8." There should be no trees on top of or in close proximity to outlet structures or piping.
York River Commerce Park	200900014	Pictures on file. Basin shared between York River Commerce Park occupants and Dominion Power (land owned by Dominion Power).	4/17/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6135	Unsat - Bare slopes and embankments surrounding forebay allowing sediment to flow easily in; need to establish ground cover around forebay. Saplings emerging through riprap that need removal.	Unsat - Significant erosion occurring at inlet channel from parking lot (rear of Ryson). Recommend repair of eroded areas by adding fill/ground cover or riprap or by a combination of the two. After eroded area has been repaired, clear inlet channel leading from parking lot to allow water flow into basin. Keep riprap and inlet area clear of debris and woody growth.	Sat - Maintain access paths to outlet structures, piping, and outfall areas at all times to allow for emergency maintenance.
Bojangles	2007-12	Pictures on file. Will return in 30 days.	4/18/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6151	NA	Unsat - Inlet clogged with sediment and debris. Clear inlet. Suggest lining opening with stone after clearing to help capture debris before it flows into filterra.	NA
WaWa/Stor Moore 3	200600834	Pictures on file	4/18/2012	Leah Aguilar	Yes	Detention Basin	1	6150	NA	Unsat - Inlet pipes on WaWa side are clogged with sediment, leaves, and debris. Pipes and inlet areas need to be cleared of the above.	Sat - Significant amount of litter present in outfall areas that needs removal.

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Virginia Trusses	Sat	Sat - Maintain grass channel height at 6-8."	Unsat - Tree (mostly pine) encroachment on all slopes. Clear pines/trees all the way around shoreline (approx 15' wide strip. Re-establish ground cover on slopes. Currently there is minimal ground cover due to shading/leaf deposition and significant erosion has occurred on slopes. Eroded areas need to be repaired. Take care not to damage wetland fringe vegetation or deposit sediment into basin during maintenance.	NA	Unsat - Erosion present; repair eroded areas and re-establish ground cover.	Sat		Sat - Routine maintenance has been performed since last inspection. Once tree removal and ground cover establishment is complete, maintain grass height at 6-8."
Arbys Restaurant - Ft. Eustis	Sat	NA	Unsat - Sediment has deposited on bottom of basin B. Minimal mulch present in basin B (as per plans). Owner to install ground cover (grass) into basin bottoms (instead of re-mulching). Periodically re-seed any bare areas on side slopes.	NA	Sat - Of ground cover does not come in at top of embankment of basin A then re-seed. Basin B satisfactory.	Sat	NA	Sat - Maintain ground cover at no more than 8" on side slopes and basin bottom. When mowing of basin bottom occurs, take care to disturb bottom as little as possible (do not mow when wet).
Auto Haus				NA		Sat	NA	Sat
Walgreens - Grafton #9811	Unsat - Clear area of leaves/debris.	NA	Unsat - Eroded (bare) areas at corners need repair (installation of fill) and re-establishment of ground cover. Mow slopes from top of embankment to edge of basin (entire slope) and maintain at a height of 5-8." Remove dead vegetation from basin. Prune/thin vegetation as needed to be able to easily access basin bottom. Remove leaves, litter & debris from basin bottom. Add mulch to basin bottom at a depth of 2-3" (per original plan). Clear area around observation wells of trees/vegetation to allow for inspection. Clear at least a 2' perimeter around each well	NA	Sat - Note that erosion has occurred on bank (short side near log cabin) but looks stable now. Re-establish ground cover in any bare areas.	Sat	NA	Unsat - Once above maintenance issues are addressed, perform regular maintenance to ensure basin functions properly.
Walgreens - Grafton #9811	Unsat - Clear area of leaves/debris.	NA	Unsat - Mow slopes from top of embankment to edge of basin (entire slope) and maintain at a height of 5-8." Remove dead vegetation from basin. Prune/thin vegetation as needed to be able to easily access basin bottom. Remove leaves, litter & debris from basin bottom. After all other work is done, add mulch to basin bottom at a depth of 2-3" (per original plan). Clear area around observation wells of trees/vegetation to allow for inspection. Clear at least a 2' perimeter around each well. Remove tire from basin bottom.	NA	Sat - Minimal animal burrows present.	Sat - Appear sound. Note that there is a tree growing over one of the observation wells. After it is removed, possible damage to well needs to be assessed.	NA	Unsat - Once above maintenance issues are addressed, perform regular maintenance to ensure basin functions properly. Mulch layer is to be maintained and mulch added as needed.
York River Commerce Park	Sat	Sat - Keep an eye on vegetation coming up through riprap; there should be no woody vegetation present.	Sat - Inadequate ground cover on slopes and basin bottom, reseed as needed. Note that there are pine saplings present throughout basin bottom and emerging on side slopes. Recommend removal of pine saplings - most are small enough at this point to be mowed.	NA	Sat	Sat		Sat - Mow side slopes near outfall structure and maintain at a height of no more than 8."
Bojangles				NA		NA	NA	Unsat - Remove leaves/debris from inside grate and replace mulch (2-3").
WaWa/Stor Moore 3	Sat	NA	Unsat - Clear concrete swale running through middle of basin of vegetation and debris.	Sat	Sat	Sat		Sat - Grass is OK now but will soon need mowing. Needs to be maintained at a height of 5-8." Remove litter from in and around basin.

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Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Virginia Trusses	Sat - Water appears cloudy but there is minimal algae present and fish were visible in water.	Unsat - Issues noted.	Sat	Sat - Sediment deposition is occurring at inlet and is clearly visible accumulating in pond.	NA	NA	NA	Unsat - Issues noted.
Arbys Restaurant - Ft. Eustis		Sat - Overall satisfactory. Remove and replace one dead shrub in basin A.	Sat	Sat	NA	Unsat - Perform periodic inspections (minimum of 2 per year) of observation wells to ensure water is infiltrating accordingly. Keep a record of inspections to be viewed by York Co upon request.		
Auto Haus	NA	Sat - Filterra trees all healthy.	Sat	Unsat - Issues noted (filterras only).	NA	Sat - Side slope vegetation for swale looks good.		
Walgreens - Grafton #9811		Unsat - Significant volunteer growth present needs thinning. Slope vegetation is too long. Dead trees present in basin need removal. Other issues noted.	Unsat - The amount of volunteer growth, litter and leaves in basin bottom.	Unsat - Issues noted.	Sat	Unsat - Owner required to inspect observation wells twice annually (at minimum) and keep record of inspections to be viewed by York Co. upon request.		
Walgreens - Grafton #9811		Unsat - Significant volunteer growth present needs thinning. Slope vegetation is too long and needs mowing. Dead trees present in basin need removal. Other issues noted.	Unsat - The amount of volunteer growth, litter and leaves in basin bottom.	Unsat - Issues noted.	NA	Unsat - Owner required to inspect observation wells twice annually (at minimum) and keep record of inspections to be viewed by York Co. upon request.		
York River Commerce Park	Sat	Unsat - Issues noted.	Sat	Sat - Note that forebay has like accumulated sediment from sheet flow and lack of ground cover in surrounding area.	Sat	NA	NA	Sat - Issues noted.
Bojangles	NA	Sat	NA	Unsat - Issues Noted	NA	NA		
WaWa/Stor Moore 3	NA	Sat	Sat	Sat - Litter has been noted.	NA	NA	NA	Sat

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmflnspectionId	Forbay	Inlets	Outlets
Custom Builder Supply Company	200500688	Pictures on file. Will reinspect in 30 days. For any maintenance work that takes place, care needs to be taken to do as little damage as possible to wetland vegetation and basin bottoms. For any trees that are removed within 8 feet of outlet structure, inlet structure, piping, or concrete swales, stumps are also to be removed, holes filled and ground-cover re-established in area. For trees removed on side slopes, cut trunk flush with ground, stump removal is optional at this point. For tree removal in basin, conduct removal when basin bottom is dry (summer) to minimize damage to basin bottom. During maintenance work, measures are to be taken to ensure minimal sediment deposition into BMP.	4/19/2012	Leah Aguilar	Yes	Detention Basin	1	6162	NA	Unsat - Blue PVC inlet pipe at corner is exposed and needs to be re-covered with stone. Stone inlet swale needs to be cleared of leaves/debris. Concrete swales directly into basin need to be cleared of leaves/debris. Remove tree (and root system) that is blocking one of the swales.	Unsat - Clear dewatering orifice (4" pipe at bottom of outler structure) to ensure water can drain. Clear outlet area of trash, leaves & debris. Woody vegetation has encroached upon area; remove all woody vegetation within 8' of outlet structure (riser). Keep outfall area clear of debris and leaves.
Ferguson Warehouse	200600290	Two filterras on perimeter of paved storage lot. Pictures on file. Will reinspect in 30 days.	4/19/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6161	NA	Unsat - Drop inlets completely clogged with sediment and debris and need to be completely cleared out. Remove items stored directly in front of the BMPs.	NA
Ranger Ricks	B19a-1390-4015	Pictures on file. Property is currently vacant. York Co. is requiring no action at this time other than routine mowing.	4/19/2012	Leah Aguilar	Yes	Detention Basin	1	6168	NA	Unsat - Erosion is occurring at inlet channel. Recommend filling of eroded area and re-establishment of ground cover.	NA
DAV Thrift Store	F14a-2210-3500	Pictures on file. Pervious pavers in two sections.	4/20/2012	Leah Aguilar	Yes	General Infiltration Practices	1	6184	NA	Sat	NA
Dominion-Penniman Substation	201100202	Pictures on file.	4/20/2012	Leah Aguilar	Yes	Detention Basin	1	6185	NA	NA	Sat - Outfall area OK
Hampton Inn - Wmbg	200701010	Pictures on file.	4/20/2012	Leah Aguilar	Yes	Retention Basin	1	6182	Sat	Sat - Inlet pipe and surrounding area is holding water. Suggest clearing area of sediment, arranging riprap, and possible grading (minimal) to allow water to flow freely into forebay.	Unsat - The 87' concrete swale at outfall has tree (pieces) in it that need removal.
Heritage Commons	200800389	Pictures on file.	4/20/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6183	Unsat - According to plan, there should be an approx 58' forebay lined with riprap. This is not the way forebay is arranged. There is erosion occurring in a channel down the middle of the main basin (from forebay) that may be due to this misconfiguration of riprap. May want to consider deposit/arrangement of riprap in such a way that slows water flow to prevent erosion but does not act as a dam. Remove leaves/debris piled up on riprap.	Unsat - Inlet pipe from parking lot into forebay is partially clogged with sediment and debris and needs clearing. The riprap is acting as a dam in this area and should be re-arranged to allow water to flow into pond.	Sat
Penniman Commerce Park	200400010	Pictures on file. This was not a formal inspection. Met with Allen Youngblood onsite. Significant tree removal and clean-up has occurred since last inspection.	4/20/2012	Leah Aguilar	Yes	Retention Basin	1	6186	NA	Unsat - Inlet on T&S side is surrounded by sediment. Area over piping also overgrown with trees. Sediment will need to be cleared from area and trees will need to be removed in area within 10' of piping and/or inlet/outlet structures. Inlet channels from Digges parking lot have been cleared.	Unsat - The bottom rear of the outlet structure has some cracking. Will need repair/grouting.
Dodd RV Trailer Sales	200300062	Pictures on file. No maintenance work has been done on this pond since original inspection (3/23/12) and violation letter were sent. Re-inspection in 10 days. All items on previous report are the same since no work has been performed. Reference original report #5825.	4/23/2012	Leah Aguilar	Yes	Retention Basin	1	6187	NA	NA	NA
American Pride Automotive	200600062		4/24/2012	Leah Aguilar	Yes	Grassed Swale	1	6191		Sat	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Custom Builder Supply Company	Unsat	Unsat - Trees are growing through riprap. Completely remove trees and root system from riprap; replace stones that may become displaced. Remove all vegetation and debris from spillway.	Unsat - Woody vegetation has completely overgrown structure and needs removal. Remove trees/shrubs from side slopes, embankments, and basin bottom (see notes above). Keep entire slope and embankment mowed and maintained at 6-8." Retain as much of the wetland vegetation as possible.	NA	Unsat - Keep mowed and maintained at 6-8." Erosion is occurring on embankments (and down slopes) on side adjacent to metal building/loading ramp. Eroded areas need to be filled and ground cover needs to be re-established in area. Erosion occurring around piping leading from warehouse. Suggest checking piping for leaks which may be causing the erosion and repair.	Sat - Appear sound.		Unsat - Maintain access path at all times (6-8"). Cut down all woody vegetation on slopes, embankment, and basin bottom (see notes). Clear leaves, debris, needles, etc from slopes and basin and re-seed as needed to establish ground cover. Remove all litter in and around structure.
Ferguson Warehouse				NA		Sat - Appear sound. Note that there is a pine coming in right at corner of one of the units that I recommend is removed before the root structure can cause damage.	Sat	Unsat - Clear leaves,debris from over grates, inside grate and entire filterra structure. Prune trees as needed. Regularly inspect filterras. Inside grate, remove any leaves, debris, and old mulch. Add new mulch at depth of 2-3." Do not disturb existing filter media (layer under mulch).
Ranger Ricks	NA	NA	Unsat - Some tree (willow) encroachment. Recommend removal of all woody vegetation. Wetland bottom has developed in basin. Recommend side slope mowing.	NA	Sat	NA		Unsat - Periodically mow areas in and around basin (this will help discourage more woody growth). Grass should not be taller than 8". No other regular maintenance is needed at this time.
DAV Thrift Store	NA	NA		NA	NA	Sat - A few loose stones but still in place. One missing 4x4" stone.	NA	Sat
Dominion-Penniman Substation	NA	NA		Sat	Sat	Sat		Unsat - The grass of the earth swale outside of the fence needs to be mowed. The drop inlet cover (grate) needs to be cleared of vegetation and debris.
Hampton Inn - Wmbg	Sat	NA		NA	Sat	Sat		Sat
Heritage Commons	Sat	Sat		NA	Sat	Sat		Sat - Remove leaves/debris from riprap. Re-seed bare areas as needed. Remove one dead tree/limb that is in basin. Mowing is being completed on basin.
Penniman Commerce Park	NA	Sat		NA	Sat - Ensure ground cover is established on embankments and a clear maintenance path is maintained at all times.	Unsat - See note on outfall structure.		Sat - Routine maintenance has occurred since last inspection, maintain slope and embankment ground cover at no higher than 8."
Dodd RV Trailer Sales	NA	NA	NA	NA	NA	NA		NA
American Pride Automotive				NA	Sat		NA	Sat

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Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Custom Builder Supply Company	NA	Unsat - Woody vegetation encroachment. Slopes are not maintained. Wetland vegetation establishment is OK.	Unsat - Reduced storage due to trees and debris in basin.	Unsat - Issues noted. No evidence of sediment accumulation.	Unsat - This should be a dry detention pond but the basin is holding water, probably due to clogging of outlet orifice.	Unsat - Maintenance plan calls for soil testing every 4 years. This testing may be required next year and proof of testing must be sent to York Co. Records of BMP maintenance are also to be kept by owner and be available to York Co. upon request.	NA	Unsat - Mow/clear as previously noted.
Ferguson Warehouse	NA	Sat - Appear healthy but need pruning.	NA	Unsat - Issues noted.	NA	NA		
Ranger Ricks	NA	Sat	Sat	Sat	NA	NA	NA	Sat
DAV Thrift Store		NA	NA	NA	NA	NA		
Dominion-Penniman Substation	NA	NA	Sat	Sat	Sat - Note that there is standing water within the "basin."	NA	NA	NA
Hampton Inn - Wmbg	Sat - Water level currently low.	Sat - Removal of four trees is needed. Remove pine (including root structure) from inlet area. Remove two woody plants from riprap separating forebay from main pond. Remove willow tree near outlet structure.	Sat	Sat	Sat	NA - There is significant erosion occurring on a slope adjacent to the BMP.	Sat - Fringe grasses at higher level on perimeter of pond appear dead. May need to discuss re-planting options in the future.	Sat
Heritage Commons	NA	Sat - See notes about dead ground cover.	Sat	Sat - Sediment deposition is occurring on bottom of basin near outlet. This is probably due to erosion mentioned earlier. Re-assess sediment deposition after erosion issues are corrected.	Unsat - Water standing in eroded channels down middle of basin.	NA	NA	Sat - Issues noted.
Penniman Commerce Park	NA - Did not access at this time.	Unsat - Inadequate ground cover mentioned above.	Sat	Sat - Note that sediment is clearly flowing into basin from T&S inlet side (evident around inlet pipe).	Sat	NA	NA	Unsat - Issues noted.
Dodd RV Trailer Sales	NA	NA	NA	NA	NA	NA	NA	NA
American Pride Automotive		Sat		Sat	Sat	NA		

YORK COUNTY BMP INSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Walgreens-Victory #10453	200800354	Pictures on file. Could not complete full inspection due to access. Will re-inspect in 30 days once mowing/clearing has occurred.	4/24/2012	Leah Aguilar	Yes	Retention Basin	1	6190	NA	Unsat - Woody growth/pines coming in through rip-rap and surrounding area. Remove all woody growth from area. Some sediment deposition has occurred around inlet pipe. Inflow area is red (iron).	NA - Could not inspect at this time. Will inspect in detail at next inspection.
European Cars	200200305	This was a 30 day re-inspection. Pictures on file. Not all items have been addressed, will return in 30 more days.	4/25/2012	Leah Aguilar	Yes	Detention Basin	1	6195	NA	Unsat - Remove all leaves and debris from the area. Area still congested.	Unsat - One large hole still present around outlet structure. Holes have been filled but no ground cover has been laid.
Community Services Coalition	D15A-2443-4743	This was re-inspection. All items from previous inspection have been addressed and corrected.	4/26/2012	Leah Aguilar	Yes	Bioretention Basins	1	6196	NA	NA	NA
Yorktown Athletic Club	200501096	Pictures on file. Will re-inspect in 30 days.	4/26/2012	Leah Aguilar	Yes	Detention Basin	1	6203	NA	Unsat - Inlet area full of woody vegetation, leaves, & debris. Clear area of all the above and re-establish ground cover. Unable to inspect inlet piping due to access, will re-inspect during follow-up.	Unsat - Clear outlet area of woody vegetation and debris. Re-establish ground cover. Unable to inspect in detail due to access. Will re-inspect during follow up.
Busch Ind. Park (Duncan Pond)	94-SP063	Pictures on file. This was not an official inspection. It was a meeting per the request of the industrial park HOA to assess the condition of the dam and to verify another report they had received from an engineer regarding suggested work on the dam. After the meeting, the HOA decided to clear the dam of brush in winter (Jan, 2013) and then we will re-assess what work needs to be done. Certainly they will need some tree removal and re-establishment of ground cover on the dam.	4/27/2012	Leah Aguilar	Yes	Retention Basin	1	6212	NA	Unsat - Clear inlet areas 10' on either side of inlet/piping to allow access. Could not assess any structures due to access.	NA - Could not assess due to access.
International Center Ph II BMP2	200700033-Towne Park	Pictures on file. Two filterra units in parking lot. Will re-inspect in 30 days.	4/27/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6221	NA	Unsat - Inlets under Filterras are completely clogged with sediment; no water can penetrate. Need to clear inlets of sediment and debris. After clearing, suggest lining inlet with stones to help capture debris.	NA
Sonic - Route 17	200200228	Pictures on file. This was a preliminary 30 day re-inspection/meeting with landscaper to review progress. Will return in one week to perform official re-inspection.	4/27/2012	Leah Aguilar	Yes	Constructed Stormwater Wetland	1	6222	NA	Unsat - Concrete swales have been partially cleared. Complete clearing of swales and riprap to allow water flow into BMP. Remove willow tree growing right in the middle of one of the swales.	Unsat - Remove pines and willows from outlet area. Remove all woody vegetation in a 10' perimeter around outlet structure. Clear outlet cover of pine needles/debris.
Stor Moore 5	200501120	Pictures on files. Will re-inspect in 30 days.	4/27/2012	Leah Aguilar	Yes	Retention Basin	1	6218	NA - Trees have encroached into forebay area. Remove all woody vegetation from forebay and riprap dam. Remove root system, fill holes, and reestablish ground cover. Replace riprap if needed.	Unsat - There has been a swale cut in at one corner that was not on original plan. The swale needs to have ground cover established (seed and add jute mesh) or lined with riprap to prevent further erosion and sediment deposition into pond.	Sat
Stor Moore 5	200501120	Pictures on files. Will re-inspect in 30 days.	4/27/2012	Leah Aguilar	Yes	Retention Basin	1	6219	NA - Trees have encroached into forebay area. Remove all woody vegetation from forebay and riprap dam. Remove root system, fill holes, and reestablish ground cover. Replace riprap if needed.	Unsat - There has been a swale cut in at one corner that was not on original plan. The swale needs to have ground cover established (seed and add jute mesh) or lined with riprap to prevent further erosion and sediment deposition into pond.	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Walgreens-Victory #10453	NA - Could not inspect at this time. Will inspect in detail at next inspection.	NA - Could not inspect at this time. Will inspect in detail at next inspection.	Unsat - Slopes are overgrown. All woody vegetation needs to be completely removed from slopes. Slopes need to be mowed and maintained at no higher than 9." Once mowing/clearing has occurred, re-seed as needed to ensure there is adequate ground cover on all slopes.	Sat	Unsat - Woody growth is present. Remove all woody growth from embankments. Maintain a clear access path around the top of the embankment at all times.	NA - Could not inspect at this time. Will inspect in detail at next inspection.		Unsat - Perform (regular) mowing to keep ground cover at no higher than 9" and discourage woody growth. Remove all woody vegetation. Remove litter/leaves/debris. Do NOT remove any wetland vegetation from inside basin (aquatic bench). Maintain clear access paths around top of embankment and to inlet/outlet areas at all times.
European Cars	Unsat - Several inches of sediment present in bottom of spillway.	NA	Sat - They have added some seed. Will re-assess ground cover in follow up inspection.	NA	Sat	Sat		Unsat - All items indicated on original inspection have not been addressed.
Community Services Coalition	NA	Sat	Sat	NA	NA	NA	NA	Sat
Yorktown Athletic Club	NA	Unsat - Overgrown. Needs clearing and re-establishment of ground cover.	Unsat - Overgrown. Clear basin bottom, side slopes and embankments of woody vegetation, leaves and debris. After clearing, re-establish ground cover.	NA	Unsat - See notes under #6.	NA - Unable to inspect at this time. Will assess during follow up.		Unsat - No regular maintenance appears to have been taking place; woody growth has overgrown basin. Maintain clear access to and around basin at all times. Maintain access path to outfall area. After tree removal and re-establishment of ground cover, keep slope vegetation between 3-9" high.
Busch Ind. Park (Duncan Pond)	NA - Could not access	Unsat - Did not look that bad on pond side. As you walk around dam, there is a tree that needs to be removed from the middle of the spillway to allow further access. Remove all tress within 10' of concrete spillway.	NA - Covered in woody vegetation; could not assess.	NA	Unsat - Dam is completely overgrown and inaccessible. All woody/shrubby vegetation needs to be removed, stumps removed, holes filled and ground cover re-established.	NA - Could not assess		Unsat - Currently none being performed.
International Center Ph II BMP2				NA		Sat	Sat	Unsat - Open grates, remove old mulch and reapply at 2-3" thick. Remove any leaves/debris within grate.
Sonic - Route 17	NA - Noted above.	NA	Sat - Bottom looks pretty good, nice establishment of wetland vegetation. Tree/brush removal is satisfactory for now. Will require additional tree removal in the future.	NA	Sat	Sat		Sat - Routine maintenance has occurred. Remove all dead/cut vegetation from site. Maintain access path around structure.
Stor Moore 5	Unsat - Remove 2 trees (and entire root structure) from beside spillway. Cut vegetation around spillway.	Sat	Unsat - Slopes OK. Low water level has allowed pines to come in at bottom (of slope). Need to mow this area or hand remove all pine/tree saplings. No woody growth is permitted anywhere within the structure. Maintain side slopes at no higher than 8."	Sat	Sat - There are some areas along fenceline (between asphalt and pond) that are eroded. Repair erosion in these areas and re-establish ground cover. Ensure soil is stabilized until ground cover is established.	Sat		Sat - Maintain ground cover no higher than 8." Do not allow woody vegetation grows anywhere on structure. Keep watch on outfall area to make sure riprap stays clear of vegetation.
Stor Moore 5	Unsat - Remove 2 trees (and entire root structure) from beside spillway. Cut vegetation around spillway.	Sat	Unsat - Slopes OK. Low water level has allowed pines to come in at bottom (of slope). Need to mow this area or hand remove all pine/tree saplings. No woody growth is permitted anywhere within the structure. Maintain side slopes at no higher than 8."	Sat	Sat - There are some areas along fenceline (between asphalt and pond) that are eroded. Repair erosion in these areas and re-establish ground cover. Ensure soil is stabilized until ground cover is established.	Sat		Sat - Maintain ground cover no higher than 8." Do not allow woody vegetation grows anywhere on structure. Keep watch on outfall area to make sure riprap stays clear of vegetation.

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Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Walgreens-Victory #10453	Sat - Algal growth present. Appears healthy.	Unsat - Issues noted.	NA - Could not inspect at this time. Will inspect in detail at next inspection.	NA - Could not inspect at this time. Will inspect in detail at next inspection.	Sat	NA	Sat - Aquatic bench appears fairly well established and healthy. May need to add additional plants; this will be determined upon re-inspection.	Unsat - Slopes overgrown. Unable to determine if there is adequate ground cover at this time. Need mowing.
European Cars	NA	Unsat	Sat	Sat	NA	NA	NA	Sat - Seeding has occurred. Will reassess at follow up.
Community Services Coalition		Sat	Sat	Sat	Sat	NA		
Yorktown Athletic Club	NA	Unsat - Issues noted.	Unsat - The amount of vegetation is negatively affecting storage volume.	NA - Could not determine at this time.	NA - Basin is currently holding water but it did just rain. Will reassess after clearing.	Unsat - Maintenance plan indicates that routine maintenance records be kept by the owner for review of the County upon request. Owner to begin keeping records of BMP maintenance to be reviewed by County inspector.	NA	Unsat - Issues noted
Busch Ind. Park (Duncan Pond)	Sat - Appears healthy	Unsat - Good wetland vegetation presence. Inlet/outlet and dam areas overgrown with woody vegetation.	NA - Could not assess	NA - Could not assess	Sat	NA	NA	Unsat - Overgrown with woody vegetation.
International Center Ph II BMP2	NA	Sat - Trees appear healthy. Prune as needed.	NA	Unsat - Issue noted.	NA	NA		
Sonic - Route 17	Sat	Unsat - Continue tree removal and removal of dead vegetation.	Sat	NA	Sat	NA		
Stor Moore 5	Sat	Sat - Issues noted (tree removal).	Sat	Sat	NA	NA	NA	Sat
Stor Moore 5	Sat	Sat - Issues noted (tree removal).	Sat	Sat	NA	NA	NA	Sat

YORK COUNTY BMP INSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Williamsburg Country Club Pond	200700892	Pictures on file. Shared pond with Parkside Resorts. Will reinspect in 60 days. Owner may wish to consult a professional engineer prior to extensive tree removal (particularly stump removal) on dam.	4/27/2012	Leah Aguilar	Yes	Retention Basin	1	6213	Unsat - Remove leaves, debris, dead vegetation from forebay areas. Keep vegetated buffers and wetland vegetation.	Sat	Unsat - Clear outlet areas of woody vegetation/debris and keep cleared.
Boxx&Blaney Dental Clinic	200900085	Located in rear of property. Two yard drains and one clean out/inspection access.	4/30/2012	Leah Aguilar	Yes	General Infiltration Practices	1	6238	NA	Sat - Appear clear. Some water visible in drain.	NA - Could not access at this time. Requesting proof of inspection from owner.
Hall Custom Cabinets	200501113	Requesting proof of inspection from owner.	4/30/2012	Leah Aguilar	Yes	General Infiltration Practices	1	6237	NA	Unsat - Yard drain by stop sign is full of water and may be clogged (or trench may not be infiltrating). Yard drain front right is full of leaves and debris but is not holding water. Need to ensure piping is unobstructed.	NA
J & K Heating	200600857	Pictures on file.	4/30/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6235	Sat	Sat	Sat - Note that the outlet structure seems to be holding water. Inspect regularly and promptly remove any obstructed piping.
Melani Brothers parking lot expansion	S03d-3585-1172	Pictures on file. Will re-inspect in 30 days.	4/30/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6232	NA	Sat - Clear area around end of concrete swales of leaves/debris.	Unsat - The opening of the outlet pipe is completely covered by vegetation and needs to be cleared. Ensure pipe opening at outfall ditch is unobstructed as well.
Churchill Estates Phase 3	200600551A	Pictures on file.	5/1/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6243	NA	Sat	Sat
Churchill Estates Phase 3	200600551B	Pictures on file. This was a follow up inspection. Had a previous drainage complaint on this BMP.	5/1/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6244	NA	Sat	Sat
Seaford Scallop	200501125	This was a follow-up inspection. All requirements have been met.	5/2/2012	Leah Aguilar	Yes	Bioretention Basins	1	6272	NA	NA	NA
Hubbard Property	s03c-2192-0533	This was a 30 day follow up inspection. Owner has come into compliance with Filterras. Only item left is to add mulch inside grate (2-3" deep).	5/3/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6285	NA	Sat - Inlets have been cleared of most of the sediment; water is able to flow in. Keep watch to ensure inlets do not get clogged again. Drop inlet grates have been cleared.	NA
Hubbard Property	2006-32	Pictures on file. This was a 30 day reinspection. Owner has largely complied with County requirements; there are a few remaining items in this report.	5/3/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6286	NA	Sat	Sat
Clairmont Apartments	200600266	Pictures on file. Will perform follow-up reinspection.	5/7/2012	Leah Aguilar	Yes	Constructed Stormwater Wetland	1	6331	Sat	Unsat - Inlet areas have tree encroachment. Remove all woody vegetation (including tree and root structure) within 10' of inlet/outlet areas and piping, fill holes, and re-establish ground cover. Replace any riprap that is disturbed during tree removal.	Unsat - Woody vegetation encroachment, follow same instructions as above. Area around riser needs to be cleared on both sides. There is also erosion occurring around riser; areas need to be filled and have ground cover re-established. Will re-inspect riser and piping after vegetation clearing.

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Williamsburg Country Club Pond	Unsat - Riser looks OK and appears to be operational. The shaft for the hand wheel is rusted. Access panel needs to be opened and inspected. Results of inspection need to be forwarded to York Co. E&DS, attn Leah Aguilar.	NA	Unsat - There are areas of erosion present on various slopes all around pond that need to be corrected. There are also bare patches all around that need the re-establishment of ground cover. Woody vegetation has encroached on slopes. Suggest removal of woody saplings along shoreline before they can become any larger. Clear vegetated buffer strip of leaves and debris. Erosion is particularly evident around some of the black drainage piping leading from golf course.	Sat	Unsat - Animal burrows present in various locations around pond. Woody/shrubby vegetation has overgrown dam. Dam needs to be completely cleared of vegetation (except ground cover) on both sides. For any trees that are removed, root structure is also to be removed, holes filled and ground cover re-established. Dam on I-64 side needs to be cleared from top of embankment to chainlink fence. Entire slope to water's edge needs to be cleared on lake side of dam. Begining and end sections of dam need to be cleared of woody vegetation for 25 feet.	Sat - Components appear sound.		Sat - Regular mowing is occurring on golf course property. Twice per year, mow entire slope to water's edge to discourage woody vegetation. Need to clear leaves/debris from buffer areas. Maintain clear access paths at all times to inlet/outlet areas.
Boxx&Blaney Dental Clinic	NA	NA		NA	NA	Sat	NA	NA
Hall Custom Cabinets	NA	NA		NA	NA	NA - Unable to access at this time. It is possible that trench on side with stop sign is clogged because adjacent drain is holding water.	NA	NA - Do not know if regular inspections are being performed. Will request proof from owner.
J & K Heating	Sat	Sat	Sat	NA	Sat	Sat		Sat
Melani Brothers parking lot expansion	NA	Unsat - Pines/woody vegetation present on spillway. Need to remove trees, shrubs & vines from spillway. After removal, replace any stone that was moved.	Unsat - Mow slopes from top to basin bottom and maintain at no higher than 8." Remove saplings (willow) from basin by hand to preserve basin bottom. No woody growth is permitted in BMP.	NA	Sat - Two large animal burrow present that need to be filled in and have ground cover re-established.	Sat		Unsat - Issues noted. Remove litter and leaves from BMP.
Churchill Estates Phase 3	Sat	Sat	Sat	NA	Sat	Sat		Sat
Churchill Estates Phase 3	NA	Sat	Sat	NA	Sat	Sat		Sat
Seaford Scallop	NA	NA	Sat	NA	Sat	NA	NA	Sat
Hubbard Property	NA	NA	NA	Sat	NA	Sat	Unsat - Install mulch around tree (under grate) at 2-3" deep.	Sat
Hubbard Property	Sat	NA	Unsat - Woody vegetation has been removed from side slopes. Ground cover now needs to be established (recommend seeding and jute mesh). Minimal trash and leaf debris in basin bottom still needs removal. Woody vegetation in basin bottom will still need removal. Do not remove wetland vegetation (grasses) from basin bottom. It is possible that fertilizer or lime will be needed to establish ground cover on slopes.	NA	Sat - Parking lot side has been cleared and divider has been installed between BMP and parking lot.	Sat		Sat
Clairmont Apartments	NA	Sat	Unsat - Woody vegetation has come in almost entirely around BMP perimeter. Remove all woody vegetation from perimeter (cut flush to ground and remove debris). No woody vegetation is permitted to grow in or around the BMP structure. Significant erosion occurring on one area of slope (midway down right side when looking from apartments). Fill eroded areas and re-establish ground cover. Note that there are many snakes occupying the eroded areas and immediately around them.	NA	Sat	NA - Could not inspect in detail at this point but appear sound.		Sat - Mowing has been occurring but not all the way to waters edge which has allowed volunteer tree growth. After tree removal occurs, mow entire slope to waters edge at minimum twice per year. Do not remove wetland vegetation at any time.

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Williamsburg Country Club Pond	Sat - Algal blooms present; may want to consider algae control measures. System appears healthy.	Unsat - Issues with woody vegetation noted. Lack of ground cover in some areas needs to be addressed. Good showing of wetland vegetation.	Sat	Sat - No visible evidence of accumulation.	Sat	NA	NA	Sat - Issues noted.
Boxx&Blaney Dental Clinic		NA	NA	Sat	Sat	NA		
Hall Custom Cabinets		NA	NA - Unknown at this time.	NA - Unknown at this time.	Unsat	Unsat - Regular inspections are to be conducted and back-up forwarded to County.		
J & K Heating	Sat	Sat	Sat	Sat	Sat	NA	NA	Sat
Melani Brothers parking lot expansion	NA	Unsat - Issues noted.	Sat	Sat	NA - There is water in basin now. Reassess during follow up inspection to make sure basin is draining.	NA	NA	Sat - During regular maintenance, ensure entire slope is mowed to basin bottom. Do not remove wetland vegetation.
Churchill Estates Phase 3	NA	Sat	Sat	Sat	Sat	NA	NA	Sat
Churchill Estates Phase 3	NA	Sat	Sat	Sat	Sat	NA	NA	Sat
Seaford Scallop		Sat	NA	Sat	NA	NA		
Hubbard Property		Sat	NA	Sat	NA	NA		
Hubbard Property	NA	Unsat - As noted, need to establish ground cover and once established, maintain at 6-8" high.	Sat	Sat	Sat	NA	NA	Unsat - Issues noted.
Clairmont Apartments	Sat	Unsat - Woody vegetation has invaded structure. There is a strong presence of wetland vegetation but tree shading has likely caused some dieback. After tree clearing, add wetland plants around the perimeter of the pond to ensure a wetland fringe is present.	Sat	Sat	Sat	NA		

YORK COUNTY BMP INSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
J.A.B. (Grafton Station Leasing Office)	200800428	This was a 30-day re-inspection. Pictures on file. Owner aware of remaining maintenance items - will re-inspect annually.	5/7/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6333	Sat	Sat	Sat - There is perforated pipe coming from outlet structure that needs to be checked (and cleared) frequently for obstructions.
Staybridge Suites	200800015	This was a follow up inspection. No work has yet been done on Filterras. Will re-inspect in 10 days.	5/7/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6332	NA	Unsat - Inlet areas to Filterra units still clogged with sediment and need clearing.	NA
Colonial Community Services	200200006	Pictures on file.	5/8/2012	Leah Aguilar	Yes	Detention Basin	1	6350	NA	Sat - Clear inlet pipe of sediment build up in bottom. Water is still able to flow.	Sat - There is one eroded area (hole) alongside the riser that needs filling and the re-establishment of ground cover.
Colonial Crossing Timeshares	200700962	This was a re-inspection. Clearing work of the slopes has been completed and rip-rap has been added to eroded channel. Pictures on file. Will check in 30 days to make sure ground cover has been installed and then annually after that.	5/8/2012	Leah Aguilar	Yes	General Infiltration Practices	1	6352	Sat	Sat	Sat - Eroded channel at outlet has had riprap added to prevent erosion in channel. Water is still flowing. Keep and eye on water level in basin and in channel to make sure riprap added is not acting as a dam. If so, it will need to be rearranged to allow for water flow. There is an eroded area on the slope by the riprap that needs re-seeding.
Ferguson Warehouse	200600290	This was a 30 day re-inspection of the Filterras. They have completed the required maintenance. Additionally, they have removed all of the pines that were inside their fencing (all around filterras) and added protection over all of their drop inlets and the inlets to the Filterras.	5/8/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6349	NA	Sat - Protection has been added at the inlets. Watch it to make sure that it was done correctly and water can still flow in.	NA
Plaza Azteca (Joe & Mimmas)/Stor Moore	200700797	Pictures on file. Will follow up in 30 days.	5/8/2012	Leah Aguilar	Yes	Retention Basin	1	6353	Sat	Sat	Sat - Suggest thinning of vegetation around outlet piping to allow for access.
Reserve Retirement Community	200900143-03	This was a 30 day re-inspection. Pictures on file. Will re-inspect in six months.	5/8/2012	Leah Aguilar	Yes	Retention Basin	1	6351	Sat	Sat	Sat
Burnt Bridge Run	98-SP081-#1	Pictures on file.	5/10/2012	Leah Aguilar	Yes	Constructed Stormwater Wetland	1	6364	NA	Sat	Unsat - Trees have grown too close to outlet structure. Recommend removal of woody growth within 10' of concrete outlet structure and piping.
Burnt Bridge Run	980SP081#2	Pictures on file. Beside pool.	5/10/2012	Leah Aguilar	Yes	Retention Basin	1	6365	NA	Sat	NA - Could not see piping due to water level but recommend checking outlet pipe for clogs - water level is high.
Quartermarsh Est. Sec. 3	200300068	Pictures on file. Will return in one year.	5/11/2012	Leah Aguilar	Yes	Retention Basin	1	6358	NA	Sat	Sat - Recommend clearing (or at least partial clearing of access paths) of outfall ditch.
Willow Lakes Sec 1	S07c-1168-1224	Lake A. Pictures on file.	5/11/2012	Leah Aguilar	Yes	Retention Basin	1	6360	NA	Sat - One inlet pipe (and inlet area) has a significant amount of sediment deposition that needs removal.	Unsat - Rip rap has been stacked in front of outlet pipe and needs immediate removal. Water cannot flow freely out of pond. Water level is currently high in pond and landscaping/mulch is washing into pond. Outfall area beyond pipe is fine.

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
J.A.B. (Grafton Station Leasing Office)	NA	NA	Unsat - Cannot view bottom at this time. Side slope vegetation and woody growth has been cleared. There is an unvegetated region around pond perimeter (possibly due to low water level). Owner to allow vegetation to grow in this area and to maintain a vegetated buffer around pond perimeter. The addition of wetland plant species into the pond (perimeter) may also serve as a buffer.	NA	Sat	Sat		Sat - Remove remaining trash (boxes) from pond.
Staybridge Suites				NA		Sat	Unsat - Mulch still needs to be replaced/added to Filtreras.	Unsat - Does not appear as if any is occurring.
Colonial Community Services	NA	NA	Sat - Bare areas on slopes need to be re-seeded (re establish ground cover). Minimal erosion present. Concrete swale in center of basin is completely covered in sediment/vegetation. Suggest clearing of swale to prevent standing water (and mosquitoes).	Sat	Sat	Sat		Sat
Colonial Crossing Timeshares	NA	NA		NA	Unsat - There are still eroded/bare areas on various location on slopes, especially corners, that would need filling and ground cover.	Sat	NA	Sat - For continued maintenance, maintain slopes at no higher than 9". Allow wetland fringe or buffer region to grow around pond perimeter to prevent erosion.
Ferguson Warehouse				Sat		Sat	Sat	Sat
Plaza Azteca (Joe & Mimmas)/Stor Moore	NA	Sat	Unsat - There is some volunteer tree growth present (about 25 stems pine & willow). Remove all woody vegetation from structure. There is a worn area (path) on the far side of the BMP that could use seeding; there is erosion occurring in this area. May want to add signage so people do not walk in area while ground cover is being established.	NA	Sat	Sat		Sat - Issues noted (woody vegetation and trash)
Reserve Retirement Community	Sat - Remove silt fencing from around outlet structure once ground cover has been established in area.	NA	Sat - Some of the eroded areas have been addressed but do not appear to be completely leveled. Seeding has been completed in areas of repair. There are still eroded areas that need to be repaired. There are still bare spots in some areas that need to be re-seeded. Will recheck establishment of ground cover on next inspection.	NA	Sat - Reseeding is complete in this area.	Sat		Sat - Mowing of entire slope has occurred so now let a 10' vegetated buffer grow around pond perimeter. Full slope will need to be mowed again in fall (at latest). Do not mow wetland fringe plants at any time. Keep an eye on bare areas and reseed as needed; lime and/or fertilizer may need to be added (sparingly). Trash has been removed. Suggest turning sprayer back on to avoid access algal growth. Maintain side slopes (except for vegetated buffer) at no higher than 9".
Burnt Bridge Run	Sat - Drop inlet partially covered with debris.	NA	Sat - Minimal erosion occurring. Significant volunteer willow growth.	NA	Sat - There are some low areas.	Sat		Sat - Minimal trash present. Recommend maintaining clear/defined access paths to inlets/outlets.
Burnt Bridge Run	NA	NA	Unsat - Willows coming in along pond perimeter. Recommend removal of all woody saplings from perimeter. One of the flower beds (and mulch) is in the pond due to the high water level. Check outlet to make sure pond can drain. Consider adding some type of divider between flower bed and pond or moving flower bed back (decrease size).	NA	Sat	Sat		Sat
Quartermarsh Est. Sec. 3	NA	NA	Sat - Some erosion occurring on slopes. Recommend allowing a vegetated buffer to grow around pond perimeter to prevent erosion.	NA	Sat	Sat		Sat - Parcel owners are caring for their area of lake frontage so conditions vary. No evidence of trash of debris altering function of system.
Willow Lakes Sec 1	NA	Sat	Unsat - Slopes are OK but there is willow coming in in several areas around pond perimeter. Recommend removal of willow now before it takes over.	NA	Sat	Sat		Sat

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
J.A.B. (Grafton Station Leasing Office)	Unsat - Algae issue has been addressed. Water still appears muddy/murky. There is also oil/grease present all over the water surface. Have spoken to adjacent property about illicit discharge.	Sat - Would like to see some type of wetland vegetation around pond perimeter or a buffer strip.	Sat	Sat	Sat	NA	NA	Sat
Staybridge Suites	NA	Sat	NA	NA - Noted.	NA	NA		
Colonial Community Services	NA	Sat - Bare areas noted.	Sat	Sat - Issues noted.	NA	NA	NA	Sat - Issues noted.
Colonial Crossing Timeshares		Unsat - Need to establish ground cover in all bare areas. Ensure no woody vegetation grows anywhere on structure.	Sat - Watch water level to see if riprap is allowing adequate outflow. Basin does not appear to be infiltrating.	Sat	NA	NA		
Ferguson Warehouse	NA	Sat	NA	Sat	NA	NA		
Plaza Azteca (Joe & Mimmas)/Stor Moore	Sat	Sat - Issues noted (woody veg). Good establishment of wetland fringe.	Sat	Sat	NA	NA	NA	Sat - Issues noted.
Reserve Retirement Community	Sat	Sat - Watch for and remove tree saplings as they emerge. At least four were seen on pond perimeter during inspection.	Sat	Sat - Note that there has been sediment deposition into the pond due to slope erosion.	NA	NA	NA	Sat - Issues (bare areas) noted.
Burnt Bridge Run	Sat	Sat - Excellent establishment of wetland vegetation. If willows are allowed to spread unchecked, they may eventually shade out wetland species.	Sat - Note that water level is high.	Sat	Sat	NA		
Burnt Bridge Run	Sat - Water is treated. Water level is very high.	Sat - Wetland fringe is coming in nicely but not around whole pond. Suggest cultivation of a vegetated buffer; establish by not mowing a strip around pond or by adding more wetland fringe plants around basin.	Sat	Sat	Unsat - Standing water all around pool house and under deck.	Unsat - Black pond liner(?) is visible and coming up all around pond perimeter.	NA	Sat
Quartermarsh Est. Sec. 3	Sat - Algal blooms present. Recommend taking algae control measures such as addition of fish, aeration, or dye.	Sat - Trees are present around pond perimeter. Recommend removal of any additional saplings that come in on pond perimeter, especially pine and willow.	Sat	Sat	NA	NA	NA	Sat - Recommend vegetated buffer all around pond.
Willow Lakes Sec 1	Sat - Water level is high. System appears healthy.	Sat - Wetland vegetation has been established.	Sat	Sat	NA	NA	NA	Sat

YORK COUNTY BMP INSPECTIONS FY 2012

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmflnspectionId	Forbay	Inlets	Outlets
Yorktown Commerce Park	200700051	This was a 30 day re-inspection. None of the maintenance work suggested from the original report has been completed. All items below are the same as the original report (#6038) except that there was more algal growth present during return inspection.	5/11/2012	Leah Aguilar	Yes	Retention Basin	1	6359	NA	NA	NA
Colonial Harbor Retirement Residence	200500971	Pictures on file. This was a 30 day re-inspection. Will return in approximately one month to ensure seeding/stabilization has occurred in bare areas; all other items satisfactory.	5/14/2012	Leah Aguilar	Yes	Retention Basin	1	6392	NA	Sat - Stumps around inlet/outlet piping and in riprap need to be completely removed, holes filled, and ground cover reestablished as needed. All inlet pipes look good. Clear inlet area into small basin from parking lot of trash/leaves/debris.	Sat - Outlet pipes look good. Outlet areas clear. See note on stump removal above.
Comfort Suites	200800459 - 1	Pictures on file. Will reinspect in 30 days. Filterra unit located in front of larger basin (pond A).	5/14/2012	Leah Aguilar	Yes	General Infiltration Practices	1	6367	NA	Unsat - Inlet clogged with sediment and debris. Needs clearing so that water can flow in. Re-arrange, replace stones lining inlet as needed to help capture debris.	NA
Comfort Suites	200800459 - 2	Will inspect in 30 days. Filterra unit in front of smaller basin (pond B) that has two trees.	5/14/2012	Leah Aguilar	Yes	General Infiltration Practices	1	6368	NA	Unsat - Inlet clogged with sediment and debris. Clear all sediment, trash, leaves, etc. from opening. Rearrange/replace stone at inlet as needed to help capture debris.	NA
Comfort Suites	200800459-Pond A	Pictures on file. This is the longer pond with cattails in the basin. Will re-inspect in 30 days.	5/14/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6369	NA	Unsat - Inlet areas overgrown with vegetation. Mow inlet areas and maintain at no higher than 9." Remove all woody vegetation within 10' of inlet piping, riprap or concrete. Remove entire root structure, fill hole and re-establish ground cover as needed. Clear inlet pipes of leaves, trash and debris.	Unsat - Woody vegetation coming up around outlet structure needs removal as specified above. Clear drop inlet grate covers of vegetation and debris. Maintain a clear access path to outfall ditch area.
Comfort Suites	200800459-Pond B	Pictures on file. Will reinspect in 30 days. This is the smaller basin facing the rear of Golden Corral.	5/14/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6370	NA	Unsat - Inlet areas clogged with leaves/debris. Remove all debris from inlet pipes. Remove all woody vegetation (including root) within 10' of inlet/outlet structure. Will inspect piping in more detail after clearing occurs.	Unsat - Outlet area needs mowing. Ensure area around outlet structure stays clear. Clear and maintain an access path from the top of the embankment to the outfall ditch (end of pipe).
Dominion-Waller Mill	D16d-4872-1229(2)	Pictures on file. Was contacted by Dominion to notify us that repairs had been done to infiltration basin based on original inspection. Previously, basin was not infiltrating.	5/14/2012	Leah Aguilar	No	General Infiltration Practices	0	6373	Sat	Sat	Sat
Bennetts Creek Wholesale Nursery Inc	H16d-2631-0865	Pictures on file. Formerly C.L. Waltrip property. Pond was designed as a detention but is now acting more like an extended detention with wetland basin.	5/15/2012	Leah Aguilar	No	Detention Basin	0	6401	NA	Unsat - The swale coming in at rear corner needs grading/cloping to allow water to flow into basin. Currently there is standing water in this area. Suggest clearing of concrete swale all the way to basin bottom.	Unsat - Could not even see outlet pipe due to standing water. Recommend clearing of outlet area so that pipe inspection is possible. Inspect pipe to make sure that it is not obstructed in any way and that water is able to drain.
Kings Creek Plantation - SPH	200601242 (BMP 10)	Pictures on file. This was a 30-day follow up inspection. Requested maintenance from original report is 90% complete. Will reinspect in one year.	5/15/2012	Leah Aguilar	Yes	Retention Basin	1	6393	Sat - Trees have been removed from forebay area and inlet areas (channels) are cleared. There is an eroded area leading into one of the forebays that needs filling and ground cover (not visible on previous inspection).	Sat - Minimal erosion is occurring around gabion baskets; stabilize as needed.	Sat - Maintenance path cleared to outfall and outfall area looks good. Maintain path no higher than 9." Riser looks good.
Penniman Road Office Warehouse Park	200800013	Pictures on file. Will return in winter to inspect rear side of dam; it is currently more difficult to assess due to vegetation. Detention basin is acting as an extended detention; it has developed a wetland bottom (not indicated on original plan).	5/15/2012	Leah Aguilar	Yes	Detention Basin	1	6389	NA	Sat	NA - Did not inspect outlet piping in detail because basin bottom was wet. Ensure grate cover and piping (outlet) are clear of debris to allow for water flow. Basin should not be holding water for significant periods of time. Riser appears in good condition.

YORK COUNTY BMP NSPECTIONS FY 2012

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Yorktown Commerce Park	NA	NA	NA	NA	NA	NA		NA
Colonial Harbor Retirement Residence	Sat	Sat	Unsat - Still need to remove fallen tree from embankment/pond in large basin. Reseed slopes (bare areas) as needed.	NA	Unsat - Bare areas at top of embankment still need reseeding and stabilization.			Sat - Once ground cover has been established, maintain slope height at 4-9". Continue to remove woody saplings as they emerge. Ideal situation would be to have pines removed completely from around shoreline of larger basin. No woody vegetation is permitted in the areas of shoreline/slopes that have already been cleared. Trash removal from the smaller basin will have to occur more often because of the proximity to McDonalds and because it is the outflow. Do not remove wetland vegetation as it emerges.
Comfort Suites	NA	NA		NA	NA		Unsat - Remove leaves debris on surface and add 2-3" of mulch (after planting tree).	NA
Comfort Suites	NA	NA		NA	NA		Unsat - Inside grate, clear leaves and debris then add mulch layer 2-3" thick.	Unsat - Prune trees as needed. Remove shoots coming through grates.
Comfort Suites	NA	Unsat - Need to mow and maintain to no higher than 9".	Unsat - Slopes need to be cleared (mowed) and maintained at no higher than 9" from top of embankment to basin bottom. All woody vegetation needs to be cut off at ground level or removed completely (including root). Weeds, dead vegetation, cuttings, trash, and debris need to be removed from structure. Do not remove wetland vegetation in basin bottom. If bare areas are found after clearing, re-seed and stabilize area immediately. No bare areas or woody vegetation are permitted on BMP.	NA	Unsat - Mow and maintain top of embankment to no higher than 9". Ensure no woody vegetation grows on either side of embankment; remove woody vegetation immediately.	NA - Did not inspect in detail. Will reassess after clean-up.		Unsat - No routine maintenance has occurred recently. After initial cleanup, maintain slopes, embankments, inlet/outlet areas as specified above.
Comfort Suites	NA	NA	Unsat - Mow slopes and bottom to no higher than 9". After initial clearing, maintain slopes at this height but allow wetland vegetation (grasses) in basin bottom to grow back. Basin bottom will only need to be mowed twice per year to deter woody vegetation. Remove trash/leaves/debris from slopes and bottom. Make sure bottom is dry when mowing occurs so that slopes and bottom are not damaged by mowers. Stabilize and reseed any bare areas.	NA	Unsat - Mow and maintain to no higher than 9". Ensure no woody vegetation grows on either side of embankment.	Sat		Unsat - No routine maintenance has been occurring. Maintain slopes and embankments at no higher than 9". Keep basin clear of leaves, debris, and trash. Remove any woody vegetation (saplings) as it emerges.
Dominion-Waller Mill	NA	NA		NA	Sat - Ground cover has been re-established.	Sat	Sat	Sat
Bennetts Creek Wholesale Nursery Inc	NA	NA	Unsat - Woody vegetation is present and there is almost no ground cover. Recommend removal of woody vegetation from slopes and re-establishment of ground cover.	NA	Unsat - Woody vegetation present.	NA - Swale and riprap look OK. Was unable to inspect outlet piping.		Sat - Maintenance has recently taken place around BMP. Recommend removal of all woody growth on slopes and the re-establishment of ground cover.
Kings Creek Plantation - SPH	Sat	NA	Sat - Tree removal is 95% complete; remove remaining willows and 1 pine. Remove remaining debris. Install ground cover on slopes as needed.	NA	Unsat - Have not yet filled eroded areas and installed ground cover. Caution tape is up around eroded areas; just need to add to the newly found eroded area at inlet.	Sat - Apepar sound.		Sat - Maintain slopes at 4-9" after ground cover is established. Allow a vegetated buffer to grow at pond perimeter (grasses, not woody) to prevent shoreline erosion.
Penniman Road Office Warehouse Park	NA	Sat - Clear riprap of vegetation (vines, weeds, etc.). This can be done in winter.	Sat - No woody vegetation present; slopes look good. Make sure any bare areas are immediately seeded and stabilized.	NA	Sat	Sat		Sat - Slopes appear recently cleared/mowed. Ground cover is currently at appropriated height. Maintain slope grass height at no higher than 9".

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Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Yorktown Commerce Park	Unsat - Significant algal growth in pond. Water has already been treated.	NA	NA	NA	NA	NA	NA	NA
Colonial Harbor Retirement Residence	Sat	Sat - Ground cover issues noted. Requested tree removal complete.	Sat	Sat	NA	NA	NA	Sat - Issues noted.
Comfort Suites		Unsat - The tree is missing. Need to plant new tree per original plan. OK to use same type of tree as in other filterra onsite.	NA	Unsat - Issues noted.	NA	NA		
Comfort Suites		Sat	NA	Unsat - Issues noted.	NA	NA		
Comfort Suites	NA	Unsat - Cattails present in basin bottom (do not remove). Slopes and embankments are overgrown. Woody vegetation (willow) encroachment.	Sat	Unsat - Remove trash, leaves, debris from BMP.	Sat	NA	NA	Unsat - Issues noted.
Comfort Suites	NA	Unsat - Issues noted	Sat	Sat	Sat	NA	NA	Unsat - Issues noted.
Dominion-Waller Mill		Sat - Ground cover has been re-established on slopes and in basin bottom.	Sat	Sat	Sat - No standing water present. Basin is now infiltrating.	NA		
Bennetts Creek Wholesale Nursery Inc	NA	Unsat - Woody vegetation present; lack of ground cover. Wetland vegetation present.	Sat	Sat	Unsat - This is supposed to be a dry detention. Standing water indicates that there is a problem with the outfall pipe or area.	NA	NA	Unsat - Issues noted.
Kings Creek Plantation - SPH	Sat	Sat	Sat	Sat	Sat	NA	Sat	Unsat - Still need to establish ground cover throughout.
Penniman Road Office Warehouse Park	NA	Sat	Sat	Sat	Unsat - There is standing water in basin bottom that appears to be permanent.	NA	NA	Sat

Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Virginia Trusses	200600049	This was a 30 day re-inspection. s/w owner; work is not yet completed on pond. This report will serve as a status report of maintenance progress with maint suggestions. Will return for re-inspection in two months to allow owner time to complete work.	5/15/2012	Leah Aguilar	Yes	Retention Basin	1	6402	NA	Unsat - Heavily eroded area by inlet (pipe) needs repair. Suggest riprap because it will be hard to get ground cover established here unless trees and underbrush are cleared from area.	Sat - Riser area looks good.
Creekside Landing H	200501002-H	Pictures on file. Basin H	5/16/2012	Leah Aguilar	No	Detention Basin	0	6411	NA	Unsat - Erosion occuring at beginning of riprap inlet channel. Add more riprap to eroded area. Clear riprap of vegetation.	Sat
Creekside Landing A-C-E	200501002A	Pictures on file. Basin A.	5/16/2012	Leah Aguilar	Yes	Detention Basin	1	6403	NA	Sat - Sediment deposition on riprap. Piping OK.	Sat - Riser OK.
Creekside Landing A-C-E	200501002C	Basin C. Pictures on file.	5/16/2012	Leah Aguilar	No	Detention Basin	0	6404	NA	Unsat - Eroded areas on slopes need repair.	Sat - Riser OK; pipes OK.
Creekside Landing A-C-E	200501002E	Pictures on file. Basin E.	5/16/2012	Leah Aguilar	No	Detention Basin	0	6405	NA	Sat - Minimal erosion present. Pipes OK.	Sat - Riser and pipes OK.
Creekside Landing B-F-G	200700850-B	Pictures on file. Basin B. This pond is preceeded by common area.	5/16/2012	Leah Aguilar	No	Extended Detention Basin	0	6412	NA	Sat	Sat
Creekside Landing B-F-G	200700850-F	Pictures on file. Basin F.	5/16/2012	Leah Aguilar	No	Extended Detention Basin	0	6413	NA	Sat	Unsat - There are fallen trees present beside both risers that need to be removed. Ensure there is no damage to or debris in risers. Ensure all piping is clear of debris and sediment (pvc pipe looks partially obstructed).
Creekside Landing B-F-G	200700850-G	Pictures on file. Basin G.	5/16/2012	Leah Aguilar	No	Detention Basin	0	6414	NA	Sat	Sat
Creekside Landing D-I-J-K	200700850-I	Pictures on file. Basin I	5/16/2012	Leah Aguilar	No	Extended Detention Basin	0	6406	NA	Sat - Ensure riprap areas remain clear of vegetation.	Unsat - Joints of outlet pipe need grout. There is also a hole where concrete pipe connects to riser that needs filling (grout). Sediment is present in outlet pipe.
Creekside Landing D-I-J-K	200700850-J	Pictures on file. Basin J.	5/16/2012	Leah Aguilar	No	Extended Detention Basin	0	6407	NA	Sat	Sat - Riser and piping look OK
Creekside Landing D-I-J-K	200700850-K	Pictures on file. Basin K. Double riser design.	5/16/2012	Leah Aguilar	No	Extended Detention Basin	0	6408	NA	Unsat - Large eroded inlet channel at bottom of rip rap. Need to add additional riprap all the way to basin bottom to prevent further erosion.	Sat - Ensure riser piping stays clear. Grout on riser appears to be cracked (where pipe connects to riser); repair if needed.

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Virginia Trusses	NA	Sat	Unsat - Requested tree clearing is complete; now just need to remove debris/cut down vegetation. The tree clearing has allowed the detailed inspection of the slopes. The slope closest to the Trusses building is heavily eroded. Eroded areas need fill/grading and ground cover needs to be established on entire slope. Take measures to ensure no sediment flows into pond until soil is stabilized.	NA	Sat - Remove tree cuttings from top of embankment.	Sat - Appear sound.		Sat - Continue removal of trees over and near to piping and outlet structures.
Creekside Landing H	NA	Sat - Clear all vegetation from spillway. Clear woody growth from 5' of either side of spillway.	Sat - There is a nice establishment of ground cover in basin bottom and some wetland plants emerging. Remove saplings from bottom by hand (there are not many) and continue to remove as they emerge. Allow wetland vegetation to develop in basin bottom. There is a small eroded channel in bottom. Remove dead vegetation (tree) from basin. Clear side slopes of woody vegetation at minimum 10' from basin bottom.	NA	Unsat - Woody vegetation present	Sat - Appear sound.		Sat - Mow slopes twice per year. Re-establish ground cover as needed. Remove dead vegetation. Remove saplings at ground level.
Creekside Landing A-C-E	Sat	Unsat - Clear spillway of all vegetation. Remove woody vegetation (including root) within 3' of concrete spillway.	Unsat - Mow slopes to 9". Remove woody vegetation at ground level. Establish ground cover as needed.	Sat	Sat	Sat		Sat - Maintain clear access path at all times.
Creekside Landing A-C-E	NA	Unsat - Completely clear of vegetation on both sides. Remove woody vegetation 3' from concrete, including root.	Sat - Remove woody vegetation at ground level in basin bottom on on slopes. Mow slopes to 9" (max) high at minimum twice per year. Re-establish ground cover as needed.	NA	Sat	Sat		Sat - Maintain clear access path at all times.
Creekside Landing A-C-E	NA	Sat - Keep spillway clear of all vegetation on both sides.	Sat - Mow slopes to 9" (max) twice per year. Remove woody vegetation at ground level. Remove saplings as they emerge.	NA	Sat	Sat		Sat - Maintain clear access path at all times.
Creekside Landing B-F-G	NA	Unsat - There is a bike on the spillway, looks like children have been using it as a ramp. Clear spillway of vegetation an remove woody growth, including root, 5' on either side.	Unsat - Wetland vegetation (cattails) present. There is about 6" of standing water in basin. It is OK to leave wetland vegetation but remove woody growth from basin bottom and at minimum 10' up on slopes. Remove two fallen trees from basin. Ground cover appears well established, mow slopes twice per year.	NA - Note that this basin has signage posted at entry from street.	Unsat - Woody growth present.	Sat		Unsat - There is not a clear access path. Need a clear, maintained access path at all times. Remove saplings on slopes.
Creekside Landing B-F-G	NA	Unsat - Clear vegetation from emergency spillway. Clear spillway of woody vegetation, including root, 5' on either side.	Unsat - Slopes have weedy ground cover established that seems to be holding OK. Re-seed any bare areas as needed. There are a lot of leaves piled on slopes that will kill the ground cover; they will need to be removed to re-establish. Remove woody vegetation from slopes. There is significant erosion occurring on right slope near rip rap inlet that needs repair.	NA	Sat - Woody growth present	Sat - Appear sound		Sat - Mow slopes and bottom twice per year at minimum.
Creekside Landing B-F-G	NA	Unsat - Remove tree (paulowania) growing through riprap including root structure. Remove trees at ground level 5' on either side of spillway and apply herbicide to stump.	Unsat - Remove woody saplings from basin bottom and 10' up slopes at minimum. Add ground cover on slopes as needed; there are many bare areas. After ground cover is established, mow twice per year at minimum.	NA	Sat - Woody growth present.	Sat		Sat - Maintain clear access path at all times.
Creekside Landing D-I-J-K	NA	Sat - Ensure spillway remains clear of all vegetation.	Sat - Bottom and slopes have a weedy ground cover established that seems to be holding OK. Remove woody saplings on slopes and basin bottom.	NA	Unsat - Woody vegetation present. Burrowing animals present (did not see the burrows, animals only).	Unsat - Issues noted with riser.		Unsat - Maintain a clear access path at all times. Remove all dead vegetation.
Creekside Landing D-I-J-K	NA	Sat	Unsat - Mow slopes and basin bottom at least twice per year to discourage woody growth. Establish ground cover in bare areas. Remove woody vegetation from basin bottom and at least 10' up on slopes. For smaller saplings, pull out entire tree and root structure. For larger trees, cut off at ground level and remove.	NA	Unsat - Woody vegetation present.	Sat		Unsat - Maintain clear access path at all times.
Creekside Landing D-I-J-K	NA	Unsat - Remove all vegetation from spillway. Remove tree coming up through riprap (paulowania) including entire root structure.	Sat - Minimal woody vegetation on slopes and basin bottom. Mow at minimum twice per year to keep woody growth out. Remove any woody saplings present on slopes.	NA	Unsat - Woody vegetation present. There is significant erosion (an entire channel and large section on slope) that is coming from one of the lots that surround the basin; from 111 Yacht Ct or neighboring lot. Investigate cause of erosion and repairre-establish ground cover.	Sat - Issues noted on riser.		Sat - Remove dead vegetation. Maintain clear access at all times.

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Virginia Trusses	Sat	Unsat - Lack of adequate ground cover.	Sat	Sat	Sat	NA	NA	Unsat - Issues noted.
Creekside Landing H	NA - Dry basin	Sat - Woody vegetation present. Slopes and bottom appear to have adequate cover.	Sat	Sat	NA	NA	NA	Sat - Ground cover appears adequate. Remove woody growth at ground level.
Creekside Landing A-C-E	NA - No water in basin.	Unsat - Woody vegetation present. Inadequate ground cover.	Sat	Sat	NA	NA	NA	Unsat - Issues noted.
Creekside Landing A-C-E	NA - No water in basin.	Unsat - Woody veg present.	Sat	Sat	Sat	Sat	NA	Sat - Re-establish ground cover as needed.
Creekside Landing A-C-E	Sat	Unsat - Woody veg present	Sat	Sat	NA - basin dry	Sat	NA	Unsat - Inadequate ground cover.
Creekside Landing B-F-G	Sat - Cattails have emerged.	Sat - Ground cover appears OK. Woody vegetation present that needs removal.	Sat	Sat	Sat - There is standing water but this is designed as an extended detention. If water fails to drain then check outlet structure/piping to ensure there are no obstructions.	NA	NA	Sat - Ground cover OK. Re-establish as needed.
Creekside Landing B-F-G	NA	Sat - Ground cover OK	Sat	Sat	NA	NA	NA	Sat
Creekside Landing B-F-G	NA	Unsat - Inadequate ground cover. Woody growth present.	Sat	Sat	NA	NA	NA	Unsat - Inadequate cover.
Creekside Landing D-I-J-K	NA - Dry basin.	Sat - Continue to monitor weedy ground cover to ensure it is holding. If not, remove and replace with grass.	Sat	Sat - Note that sediment should not be flowing out of basin; it should be captured. Watch for and repair causes of sediment outflow.	NA	Unsat - There is a large poplar tree on one slope that is damaged. It is in a position where it could fall on and crush the riser.	NA	Sat - Ground cover OK, remove woody vegetation.
Creekside Landing D-I-J-K	NA - Dry basin	Unsat - Woody vegetation present. Mowing needed.	Sat	Sat	NA	NA	NA	Unsat - Woody vegetation present
Creekside Landing D-I-J-K	NA - Dry basin.	Sat - Unable to see full extent of ground cover until mowing takes place. Re-establish ground cover in any bare areas.	Sat	Sat	NA	NA	NA	Sat - Appears OK, need to inspect in more detail after mowing to ensure adequate ground cover.

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Creekside Landing D-I-J-K	200700850-D	Pictures on file. Basin D.	5/16/2012	Leah Aguilar	No	Extended Detention Basin	0	6409	NA	Sat - Minimal erosion occurring. Large rock check dams in place.	Sat - Keep piping clear of debris.
Bargain Box	201000215	Infiltration trench in rear parking lot with 4 yard drains.	5/17/2012	Leah Aguilar	No	General Infiltration Practices	0	6424	NA	Sat - One of the four yard drains was covered with debris. I uncovered it while onsite.	NA
Lackey Free Clinic	200200158	Pictures on file. Will reinspect in 30 days.	5/17/2012	Leah Aguilar	Yes	Constructed Stormwater Wetland	1	6423	Unsat - Area at bottom of concrete swale near spillway is full of sediment. Clear sediment from inlet area and riprap in this area.	Unsat - Clear concrete swales of sediment and debris	Sat - Outlet structure OK. Mow/clear a path to outfall ditch (around outfall pipe) for inspection/maintenance.
Bojangles	2007-12	This was a 30-day reinspection. Owner has attempted to have Filterra maintained but the maintenance was not properly done. Will return in 30 days. Request that owner/manager has landscaper contact Leah Aguilar to find out maintenance details.	5/18/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6436	NA	Unsat - Inlet still clogged with sediment; has not been cleared or lined with stone.	NA
Ewell Industrial Park	200600541 (2)	Pictures on file.	5/18/2012	Leah Aguilar	No	Extended Detention Basin	0	6438	NA	Sat - Trees are present around inlet piping; suggest completely removing all woody vegetation within 10' of concrete or piping (including root). Inlet pipe almost full of water so could not inspect in detail.	Sat - Area around riser is surrounded by vegetation (thorns) - suggest removal. There are trees present in the outfall area, near piping. Recommend removal of woody vegetation within 10' of piping. Ensure a clear path all the way to outfall area is maintained at all times.
Ewell Industrial Park	200600541 (1)	Pictures on file. Two connected basins; currently one is wet and one dry. For the purposes of this report, the dry basin is (a) and the wet is (b). Will perform return inspection in winter to be able to see better after dieback.	5/18/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6439	NA	Unsat - Inlet area into basin b overgrown with trees and vegetation. Clear path to piping for inspection. Remove all woody vegetation within 10' of concrete or piping, including root. There is also an inlet pipe on the street side into basin b that is partially obstructed by riprap and vegetation. This inlet area also needs to be cleared.	Unsat - Clear outlet area in basin b of woody vegetation as indicated above. Unable to inspect in detail.
WaWa/Stor Moore 3	200600834	This was a 30 day reinspection and no work has been done on basin. Original violation letters may have gone to the wrong address; I am resending out letters and will reinspect in 30 days. All items are the same as original inspection dated 4/18/12. I also added a few notes below.	5/18/2012	Leah Aguilar	Yes	Detention Basin	0	6434	NA	Unsat - Wawa side inlets completely clogged with debris and leaves. Mamosa tress are growing on top of and beside inlet piping and need removal. All inlet areas need to be mowed/trimmed at minimum twice per year to prevent woody growth.	Unsat - Grass clippings are piled up in front of the outlet structure.
European Cars	200200305	This was a second follow up inspection. All issues on original report have been addressed. Will reinspect in 1 year.	5/21/2012	Leah Aguilar	Yes	Detention Basin	1	6455	NA	Sat	Sat
Quarters of York	200500284	Pictures on file. Will reinspect in 60 days.	5/21/2012	Leah Aguilar	Yes	Retention Basin	1	6456	Sat	Unsat - Curb inlets from street OK. Pipes OK. Remove woody vegetation from inlet areas.	Unsat - Sediment has accumulated at outfall area and needs to be cleared; the mouth of the outlet pipe (into ditch) is partially obstructed. Remove woody vegetation from directly over and adjacent to outfall structure and piping.
Coventry Apartments-The Villas	200900141	Pictures on file. Layout does not match as-built plan. Will re-inspect in 30 days.	5/22/2012	Leah Aguilar	Yes	Bioretention Basins	1	6462	Unsat - Forebay area does not match as-builts and the configuration of riprap is causing short circuiting. Need to re-arrange rip-rap. York Co. representative must be present during riprap installation.	Unsat - There is a motorcycle parked in the inlet swale. Some erosion has occurred in this area that needs repair.	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Creekside Landing D-I-J-K	NA	Sat - Keep spillway clear of debris.	Unsat - Mow slopes at minimum twice per year. Remove woody saplings from slopes and basin bottom. On left slope (large riprap section); remove vegetation coming up through riprap and remove shrubby/thorny/woody growth from slope and top of rip rap area. Sending a picture of the original slope to property manager.	NA	Sat	Sat		Unsat - Maintain clear access at all times. Remove dead vegetation. Re-establish ground cover as needed.
Bargain Box	NA	NA		NA	NA	Sat - Appear sound.	NA	NA - Owner to keep record of water level in yard drains quarterly per original plan.
Lackey Free Clinic	Sat	NA	Unsat - Remove all woody/shrubby vegetation on slopes and bottom. Clear riprap of vegetation (replace if disturbed during clearing). Basin bottom has been overtaken by cattails; no sign of original wetland vegetation planted.	NA	Sat	Sat		Sat
Bojangles				NA		Sat	Unsat - Mulch was poured into the hole in the grate and it piled all the way to the top around the tree. Need to open grates, remove old much and leave debris and then add an even layer of shredded hardwood mulch 2-3" thick.	Sat - Routine maintenance was attempted by the owner/manager.
Ewell Industrial Park	NA	Sat - Does not appear to be completely at original grade but still functional. Need to re-establish ground cover in this area.	Sat - Some bare areas on slopes but overall ground cover is OK. Significant erosion has occurred on all slopes and has degraded shoreline. Need a vegetated buffer/fringe around the shoreline to prevent further erosion.	NA - No trespassing signage posted.	Sat - Seven animal burrows present; look like ground hogs.	Sat		Sat
Ewell Industrial Park	NA	NA	Unsat - Basin A: Eroded areas on slopes need filling and re-establishment of ground cover. Major erosion occurring at corners. There is also a channel eroded through the middle of the basin. Ground cover OK. Basin B: slopes are overgrown with woody vegetation, mostly willow and there is virtually no ground cover present around shoreline. Recommend removal of willows, at minimum on street side and inlet side. After clearing, need to re-establish ground cover in these areas.	NA	Unsat - OK on basin a. Basin b, woody vegetation is present and mowing has not occurred recently. Mow entire embankment at least twice per year to prevent woody growth. Animal burrows and burrowing animals present.	NA - Basin A OK. Basin B: Could not inspect in detail due to access.		Sat - Basin A looks like it is being regularly mowed. Erosion issues need to be rectified immediately. It does not appear as if any routine maintenance is occurring on basin B (unsat).
WaWa/Stor Moore 3	NA	NA	NA	NA	NA	NA		NA
European Cars	Sat	NA	Sat	NA	Sat	Sat		Sat
Quarters of York	Unsat - Sediment is built up inside outfall structure (square concrete section) and needs clearing. Remove all woody vegetation from outlet area and retaining wall.	Unsat - Slopes have significantly eroded in this area and there is virtually no ground cover. Repair eroded areas, stabilize soil, and re-establish ground cover.	Unsat - Erosion of slopes has occurred. Repair as stated above. Remove woody vegetation (mostly willow and pine) from slopes and shoreline. There should be no woody vegetation within this BMP structure. Do not remove any wetland vegetation.	Sat	Unsat - Top of embankment of rear side is bare and needs re-seeding/stabilization.	Sat		Sat - Mow entire slope (to water's edge) twice per year to prevent woody growth. Remove saplings as they emerge. Immediately re-seed bare areas. Do not remove wetland vegetation.
Coventry Apartments-The Villas	NA	NA	Unsat - Erosion has occurred on slopes that needs repair. Areas with exposed filter fabric need to be covered. Ground cover needs to be re-established in bare areas.	NA	Sat	Unsat - PVC cleanout/observation pipes are too tall. Need to cut down to approx. 1' above the ground and make sure all 3 pipes have caps (1 is currently missing). Caps also appear to be painted shut. After pipes have been cut down, ensure cap is able to be removed for observation and clean out.	Sat	Sat

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Creekside Landing D-I-J-K	NA - Dry basin.	Unsat - Woody vegetation encroachment of entire left slope.	Sat	Sat	Sat	NA	NA	NA - Weedy growth; unsure if it is providing adequate cover until mowing is complete. Re-establish ground cover as needed.
Bargain Box		NA	Sat	Sat	Sat	NA		
Lackey Free Clinic	Sat	Sat - Remove 3 pine saplings from basin/slopes.	Sat	Sat	Sat	NA		
Bojangles	NA	Sat	NA	Sat	NA	NA		
Ewell Industrial Park	Sat - Appears healthy but there is heavy algal growth that will likely get worse in the summer. Consider stocking algae eating fish.	Unsat - Need vegetated buffer around shoreline. Two willows present in basin.	Sat	Sat	Sat	Unsat - There is a large eroded hole at the drop inlet directly in front of this BMP that needs filling and ground cover. Also, the DI grate is covered in debris.	NA	Sat
Ewell Industrial Park	Sat - Basin B aquatic does appear to be a healthy system.	Unsat - Basin A OK. Basin B has significant willow encroachment and lack of ground cover.	Sat	Sat - Basin A OK. Basin B has accumulated significant sediment at inlet (from basin A) side. This inlet area is virtually dry and the rest of the basin is wet, indicating that the sediment deposition has caused an elevational change. Area may need eventual clearing of sediment to bring it back to original design specs.	Unsat - There is an eroded channel of standing water in basin A.	NA	NA	Sat - Basin A OK. Basin B unsat as indicated above.
WaWa/Stor Moore 3	NA	NA	NA	NA	NA	NA	NA	NA
European Cars	NA	Sat	Sat	Sat	NA	NA	NA	Sat
Quarters of York	Sat - The main basin is OK (has aerator and water is treated). The smaller basin in the rear and the narrow section of the main basin have stagnant water and significant algal growth; mosquitoes will be an issue here. Recommend addition of wetland plantings in smaller basin (per original plan).	Unsat - Cattails have dominated all other wetland vegetation. No sign of original wetland plantings. Woody vegetation is present throughout structures. Trees have overtaken grass swales in rear.	Sat	Sat	Sat	NA	Unsat - Aquatic bench not per original plan. Does not appear as if re-enforcement plantings have occurred. Need to re-establish wetland veg in smaller basin and in narrow section of main basin.	Unsat - Lack of adequate ground cover; woody growth present.
Coventry Apartments-The Villas		Unsat - Inadequate ground cover throughout.	Sat	Sat	Sat - Basin appears dry and there have been heavy rains in the last week.	NA		

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmflnspectionId	Forbay	Inlets	Outlets
Dodd RV Trailer Sales	200300062	Pictures on file. This was a re-inspection. Will re-inspect again in six months.	5/23/2012	Leah Aguilar	Yes	Retention Basin	1	6506	Unsat - Forebay area still needs to be cleared as indicated on previous report. Slopes need to be cleared of leaves/debris/woody vegetation, stabilized, and re-seeded as needed. Inlet/outlet areas into forebay need to be kept clear at all times.	Sat	Sat
Hudgins- Holiday Cadillac/Chevrolet	200500005	Pictures on file. Inspected the water quality inlets in parking lot.	5/23/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6479	NA	Sat - All inlets have been completely cleared of sediment and inlet filters replaced. They have also replaced the mesh filters below the initial inlet filter.	Sat
Patriots Place (Wyndham)	201000562	Pictures on file. This is the pond with the added forebay (restoration). Have contacted WEG to see about reenforcement plantings and what maintenance instructions they have given to the Patriots Place staff.	5/23/2012	Leah Aguilar	Yes	Retention Basin	1	6476	Sat - This is the added area. Goose protection is coming down in places and needs to be repaired or removed. Confirming recommended maintenance with WEG and will notify owner of findings.	Unsat - Clear inlet areas of sediment and woody vegetation. Willows have encroached at the mouth of the inlet pipe running under the road. There should be no woody vegetation present within 10' of or directly over piping or concrete inlet/outlet structures. Some erosion has occurred at inlet channels that needs repair/stabilization.	Sat
Patriots Place (Wyndham)	D15b-4160-2525	Pictures on file. This is the smaller pond on right of entry road. Water level is high and pond appears to be at capacity.	5/23/2012	Leah Aguilar	No	Retention Basin	0	6477	NA	Sat	Unsat - Outfall area/channel severely eroded. There is a large tree growing directly on top of the outlet pipe that needs to be removed.
Water Country USA Parking	1996	Pictures on file. This is the large lake. Will re-inspect annually.	5/23/2012	Leah Aguilar	Yes	Retention Basin	1	6480	NA	NA	Sat - Outlet structure appears sound. Note that there is no manhole cover on top of structure. The axle which controls valve within outlet structure is rusted and bent; not sure if it is still operational. Advise owner to have separate inspection to make sure device still works and replace if needed. Recommend keeping a clear, maintained path to the outfall area (on far side of dam) at all times.
Water Country USA Parking	200300731	Pictures on file. This is the retention basin with aquatic bench beside parking lot. 30 day follow-up inspection required.	5/23/2012	Leah Aguilar	Yes	Retention Basin	1	6483	Sat	Sat - Pipe is underwater so could not inspect in detail.	Unsat - There is significant erosion around outfall pipe that needs repair. Remove trees, including root, from within 10' of outlet pipe. Replace riprap as needed.
Fairfield Kingsgate	19900000-1a	Pictures on file. Basin at front of property on right of entryway.	5/24/2012	Leah Aguilar	No	Retention Basin	0	6503	NA	Sat	Sat - Minor leak on outlet structure needs repair. It also looks as if low flow orifice may be obstructed. Grate top was previously damaged and has been repaired.
Fairfield Kingsgate	19900000-1b	Pictures on file. Basin at front of property adjacent to check-in building.	5/24/2012	Leah Aguilar	No	Retention Basin	0	6504	NA	Sat	Sat
Fairfield Kingsgate	19900000-2	Pictures on file. Basin at rear of property. Artesian well control is located at this pond.	5/24/2012	Leah Aguilar	No	Retention Basin	0	6505	NA	Sat	Sat - At main outfall area (ditch), there has been significant erosion occurring around and under the concrete outlet pipe and headwall. Recommend fortification of pipe/wall by adding or rearranging existing riprap under and around the structure. Recommend removal of any trees that are in danger of falling on or in front of (blocking) outlet area.

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Dodd RV Trailer Sales	Sat	Sat	Sat - Reseed bare areas as needed.	NA	Sat	Sat		Sat - Maintain slopes and embankments at no higher than 9". Remove woody saplings as they emerge. Allow a vegetated buffer to grow around pond perimeter about 3' wide that is mowed twice per year.
Hudgins- Holiday Cadillac/Chevrolet				Sat		Sat	Sat	Sat
Patriots Place (Wyndham)	NA	Sat	Sat - Slopes are lined with riprap. Some eroded areas present that will need additional riprap added (minimal).	NA	Sat	Sat - Appear sound		Sat - Checking with WEG to see recommendations for slope mowing to keep out volunteer tree growth.
Patriots Place (Wyndham)	Sat	NA	Sat - Did not inspect bottom. Slopes lined with riprap and appear sound.	NA	Unsat - Rear embankment at outfall side severely eroded.	Sat		Sat
Water Country USA Parking	Sat	NA	Sat - All slopes except for dam are dominated by woody vegetation (OK). Dam slopes are clear of vegetation. Manager stated that dam was regularly mowed.	Sat	Sat	Sat		Sat
Water Country USA Parking	Sat - Did not inspect in detail due to water level but appeared sound and water was flowing out.	NA	Unsat - Erosion has ocured around shoreline and on slopes, especially in corners. Repair eroded areas and re-establish ground cover as needed. Suggest cultivation of a wider vegetated buffer strip at pond perimeter to prevent further erosion and/or the re-establishment of the aquatic bench vegetation all the way around the pond (cattails). Woody vegetation present; remove willow trees from slopes (cut off at ground level).	Sat	Sat	Sat - Could not inspect riser in detail due to water level. Appear sound.		Sat - Mow all the way to water's edge twice per year to discourage woody growth on slopes (do not remove wetland vegetation).
Fairfield Kingsgate	Sat	NA	Sat - One eroded area (trench) on slopes needs fill, compaction, and ground cover. Ground cover on slopes good. Some erosion around shoreline. Some leaf deposition visible in basin.	NA	Sat	Sat		Sat
Fairfield Kingsgate	Sat	NA	Sat	NA	Sat	Sat		Sat
Fairfield Kingsgate	Sat - Outfall structure (riser) has had previous damage and repair. Repairs appear to be holding. There is one small hole at bottom (left) of structure that is seeping and will need filling (grout).	NA	Sat - Minimal erosion present around shoreline.	Sat	Sat	Sat		Sat

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Dodd RV Trailer Sales	Sat	Sat	Sat	Sat	NA	NA	NA	Sat - Reseed bare areas as needed and stabilize loose soil.
Hudgins- Holiday Cadillac/Chevrolet	NA	NA	Sat	Sat	NA	NA		
Patriots Place (Wyndham)	Sat - Appear healthy	Unsat - Following up with WEG about reinforcement plantings. Several of the live stake plantings are dead. Willows are thriving and will likely overtake the shoreline and inlet areas.	Unsat - There is indication that significant sedimentation of the basin has occurred over time.	NA	Sat	NA	Sat - Aquatic bench coming up nicely in forebay.	Sat
Patriots Place (Wyndham)	Sat	Sat	Sat	NA	NA	NA	NA	Sat
Water Country USA Parking	Sat	Sat	Sat	Sat	Sat	NA	NA	Sat
Water Country USA Parking	Sat - Water is being dyed but is stagnant so dye is not evenly dispersed. Algal growth present. Recommend taking additional algal control measures such as stocking pond with triploid carp.	Sat - Minimal woody growth present.	Sat	Sat	Sat	NA	Unsat - Aquatic bench plantings are not fully developed around pond; suggest reinforcement planting.	Sat
Fairfield Kingsgate	Sat	Sat - Recommend allowing a vegetated buffer strip to grow around the pond perimeter (i.e. 2-3' wide and 9-12" high). This will help prevent further erosion from occurring. It also helps to deter geese, capture debris before it is deposited into pond, and control algal growth. Another alternative is to add wetland grasses directly into basin.	Sat - Note that water level is currently high.	Sat	NA	Sat - Ponds are stocked with triploid carp.	NA	Sat
Fairfield Kingsgate	Sat	Sat - There is no buffer around the pond. Recommend allowing a vegetated buffer strip to grow around the pond perimeter (i.e. 2-3' wide and 9-12" high). This will help prevent further erosion from occurring. It also helps to deter geese, capture debris before it is deposited into pond, and control algal growth. Another alternative is to add aquatic grasses directly into basin.	Sat	Sat	NA	NA	NA	Sat
Fairfield Kingsgate	Sat	Sat - Recommend addition of buffer/fringe as indicated on previous reports. There is currently no buffer present.	Sat - Note that water level is high.	Sat	NA	NA	NA	Sat

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmflnspectionId	Forbay	Inlets	Outlets
Quarters of York	200500284-B	Two filterras along General's Way; contain holly trees. Pictures on file.	5/24/2012	Leah Aguilar	No	Manufactured BMP Systems	0	6478	NA	Unsat - Inlets are clogged with sediment and need to be cleared. Need to line inlet channels with stones to help capture debris.	Sat
Staybridge Suites	200800015	This was the third re-inspection. Some issues have been addressed. Will reinspect in 6 months.	5/25/2012	Leah Aguilar	No	Manufactured BMP Systems	0	6516	NA	Unsat - Inlets still clogged with sediment and need clearing. Replace stones at inlets to help capture debris.	NA
Homewood Suites	D15d-3801-2313	Underground storage (rear parking lot) preceeded by a detention basin. Inspection conducted with Norman (Maintenance Mgr). Will reinspect in 6 months.	5/31/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6550	NA	Unsat - Inlet area is overgrown with trees/vegetation (poison ivy). Clearing will take place in winter. Ensure inlet area is kept clear of vegetation and debris and that no trees are growing directly over or adjacent to pipes. Clear concrete inlet swale of debris.	Sat - Pipes are clear. Note that there is a fair amount of sediment present at the end of the pipe. It is likely coming from an erosion issue occurring around a drop inlet at the end of the ditch along the entryway. This eroded area should be repaired.
International Center Ph II BMP2	200700033-Towne Park	This was a re-inspection and meeting with the property manager (Mr. Kline with UPA). Discovered during the inspection that the Filterra was never completed. The tree is in a plastic pot and it does not seem that the filter media was ever completely installed. Also, the inlet is blocked off with a piece of wood. Property manager will be responsible to finish off Filterras. Will re-inspect in 6 months.	5/31/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6547	NA	Unsat - Inlet opening is covered with wood. Remove wood to allow water to flow into Filterra. Suggest lining opening with stones to make cleanout easier.	NA
Peninsula Community Chapel	200900527-BMP2	This was a 30-day reinspection. Pictures on file. This is the basin with wetland bench on right side of entry road. Will re-inspect in 1 year.	5/31/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6545	Sat	Sat	Sat - Note that there are still holes around outlet structure from previous erosion. No further erosion is occurring but these areas will need to be filled eventually. Concrete swale across the street from BMP (outfall ditch) has been cleared. Still need to cut back filter cloth surrounding rock check dam in middle of swale; it is collecting sediment.
Peninsula Community Chapel	200900527-BMP3	This was a re-inspection. Pictures on file. Owner will be adding wetland fringe vegetation and algae eating fish.	5/31/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6546	Sat	Sat	Sat - Concrete outlet pipe has been stabilized with riprap.
Riverwalk Townes Ph 1	200700988-2	Pictures on file. Inspection conducted with Mike Baust, Developer. As of this date, the pond is not yet complete. Still need to add gabion baskets and repair outfall. Will reinspect in 30 days.	5/31/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6548	NA - Gabion baskets have not yet been installed at inlets to create forebays.	Unsat - Remove woody vegetation from inlet areas. Area around black inlet pipe is eroded and needs stabilization.	Unsat - The end of the concrete outfall pipe is broken off and in the ditch; it needs to be repaired. There is significant erosion in the outfall area that needs repair and stabilization. After repair, remove willow tree from riprap at outfall.
Stor Moore 5	200501120	This was the 30-day follow up inspection. Met with Tony Starliper. Required maintenance work from previous inspection has not been completed. However, some issues have been resolved. Mr. Starliper said that they are aware of the issues and that they will continue to work on them as they get time.	5/31/2012	Leah Aguilar	Yes	Retention Basin	1	6543	Unsat - Trees have not been removed from the riprap in the forebays.	Unsat - Inlet channel has still not been stabilized.	Sat - Trees have been removed from this area.
Water's Edge BMP	200800494	This was a reinspection. No work has been completed. All items same as previous inspection #6042. Amy Green has also contacted owners regarding as-built issues. Will coordinate with her and attempt to resolve issues. Also requested meeting with owner to discuss BMP issues and solutions and received no reply. Will return in 30 days.	5/31/2012	Leah Aguilar	Yes	Retention Basin	1	6544	NA	NA	NA
Comfort Suites	200800459 - 1	This was a re-inspection.	6/1/2012	Leah Aguilar	Yes	General Infiltration Practices	1	6511	NA	Unsat - Inlet area still has sediment present. Clear sediment completely out and rearrange stones to help capture debris.	Sat
Comfort Suites	200800459 - 2	This was a re-inspection. Filterra 2.	6/1/2012	Leah Aguilar	Yes	General Infiltration Practices	1	6512	NA	Sat - Inlet area still has sediment present. Clear sediment completely out and rearrange stones to help capture debris.	Sat
Comfort Suites	200800459-Pond A	This was a re-inspection. Pictures on file. This is the longer basin with cattail bottom. Majority of maintenance issues listed on original report have been addressed. This report contains any maintenance issues remaining.	6/1/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6513	NA	Sat - Inlet pipe areas are currently unobstructed at openings. However, there is a build up of leaves/debris directly around the openings. This debris will need to be regularly cleared to prevent water from backing up.	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Quarters of York				NA			Sat - Does not appear that media needs immediate replacement; however, it does not appear that it has ever been replaced so it is probably time for a new mulch layer.	Unsat - Does not appear as if regular maintenance is occurring. Tree needs regular pruning and sediment/debris needs to be cleared regularly. Need to open up grates at least once per year to clear out debris and assess health of tree.
Staybridge Suites				Sat			Sat	Sat - Need to be clearing sediment from inlet as part of regular maintenance.
Homewood Suites	NA	NA		NA	NA	Sat - Appear in good condition.	NA	NA - No routine maintenance has been occurring. Maint Mgr aware of system requirements.
International Center Ph II BMP2				NA		Sat - Since it appears unit was never completely finished, unsure of underground piping.	Unsat - Media was never fully installed. Owner will be installing soil and mulch.	Unsat - Routine maintenance will include regular cleaning of inlet, pruning of tree, and yearly replacement of mulch.
Peninsula Community Chapel	Sat	Sat	Sat	Sat	Sat	Sat		Sat
Peninsula Community Chapel	Sat	Sat	Sat - Ground cover looks OK.	Sat	Sat	Sat		Sat
Riverwalk Townes Ph 1	NA - Could not inspect due to overgrowth of vegetation.	NA	Unsat - Bottom OK. Minimal bare areas. Erosion present in some areas that needs repair.	NA	Sat	Unsat - Issues noted (outfall pipe).		Sat - Discussed future maintenance needs (such as removing woody growth) once pond is completely converted.
Stor Moore 5	Sat	Sat	Unsat - Bare areas have not yet been seeded and eroded areas have not yet been repaired.	Sat	Sat	Sat		Sat
Water's Edge BMP	NA	NA	NA	NA	NA	NA		NA
Comfort Suites	NA	NA		Sat	NA	Sat	Sat	Sat
Comfort Suites	NA	NA		Sat	NA	Sat	Sat	Sat - Continue to periodically remove sediment and debris from inlet and prune tree as needed.
Comfort Suites	Sat - Note that there is a significant amount of vegetation (clippings) inside of the low-flow pipe and deposited inside outlet structure. This debris will need to be regularly cleared.	Sat - See note on vegetation.	Sat	NA	Sat	Sat		Sat - Continue to remove woody vegetation as it emerges. Remove one willow near outlet structure. Maintain slope grasses at 6-9" high. Do not remove wetland vegetation. Regularly clear inlet/outlet pipes.

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Quarters of York	NA	Sat	Sat	Sat	NA	NA		
Staybridge Suites	NA	Sat	NA	Sat	NA	NA		
Homewood Suites		Unsat - Clear vegetation in detention basin as indicated above. The basin is overgrown.	Sat	Sat	Sat	Sat - Covers were removed from all cleanout/observation points on underground system and they look clear. There is minimal rust on the pipes.		
International Center Ph II BMP2	NA	Sat	NA	NA	NA	NA		
Peninsula Community Chapel	Sat	Sat	Sat	Sat	Sat	NA	Sat	Sat
Peninsula Community Chapel	Sat	Sat	Sat	Sat	Sat	NA	NA	Sat
Riverwalk Townes Ph 1	Sat	Unsat - Woody vegetation present.	Sat	Sat	Sat	NA	Sat	Sat
Stor Moore 5	Sat	Unsat - Tree removal needed.	Sat	Sat	Sat	NA	NA	Sat
Water's Edge BMP	NA	NA	NA	NA	NA	NA	NA	NA
Comfort Suites		Sat	NA	Sat	NA	NA		
Comfort Suites		Sat - Crepe Myrtle tree has been added.	NA	Sat	NA	NA		
Comfort Suites	NA	Unsat - Need to re-establish ground cover (seed) and stabilize soil in various areas on slopes and on emergency spillway. Need to seed area behind dumpster.	Sat	Sat	Sat	NA	Sat	Sat - Issues noted under item 13.

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Comfort Suites	200800459-Pond B	This was a re-inspection. Pictures on file. Smaller basin near Sleep Inn.	6/1/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6514	NA	Sat - Clear inlet area around pipe of leaves and debris.	Unsat - Clear and maintain a 3' wide access path from top of embankment to outfall (pipe) area for inspection and maintenance.
Bionetics	200900170	Pictures on file. This is the infiltration basin running along Production Dr.	6/4/2012	Leah Aguilar	Yes	General Infiltration Practices	1	6557	NA	Sat - The end section of one of the concrete swales has significant sediment deposition and vegetation growing in the riprap; but water is still able to flow into basin. If damming starts happening in this area, completely clear riprap of sediment/vegetation.	Sat
Hunter Estates	200800503-A	Pictures on file. Will re-inspect in 30 days.	6/4/2012	Leah Aguilar	Yes	Bioretention Basins	1	6558	NA	Unsat - Concrete swale leading into bioretention is completely buried in sediment and not even visible. Need to clear swale.	Sat - Ensure outlet area/pipe is free of obstructions and water can drain.
Hunter Estates	200800503-B	Pictures on file. Will re-inspect in 30 days.	6/4/2012	Leah Aguilar	Yes	Bioretention Basins	1	6563	NA	Sat	Unsat - Could not inspect 6" PVC at outlet. There is a piece of black filter cloth spread over the outlet area that needs to be removed/replaced/re-arranged. Will inspect pipe after the area is cleared.
P & H LC	S03c-2289-0512	Pictures on file. Will re-inspect in 30 days.	6/4/2012	Leah Aguilar	Yes	Detention Basin	1	6564	NA	Unsat - Concrete swale running along side of warehouse and riprap area at end are completely clogged with leaves and debris. Clear entire inlet area and swale of leaves and debris.	Sat - Ensure outlet grate cover stays clear of debris at all times. Unsure if gravel is in place around perforated PVC pipe (per plan) because area is covered.
Rite Aid Pharmacy Store # 3971	S06a-1464-3889	Pictures on file. This was a follow-up inspection. All maintenance issues from original report have been resolved. Will reinspect in 6 months.	6/4/2012	Leah Aguilar	Yes	Detention Basin	1	6556	Sat	Sat	Sat
Magnolia Park (Maple Terrace)	200701224	Pictures on file. Will re-inspect in 30 days.	6/6/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6574	Sat - Pines/willows coming up in forebay need removal.	Unsat - Erosion is occurring at inlet areas that needs repair and ground cover establishment. There is sediment build-up in inlet pipes that needs removal. Remove woody growth from inlet areas, to include root structure.	Unsat - Erosion occurring around outlet structure and a large hole that need repair.
Oak Ridge at Endview Plantation	M10a-1702-4019	Pictures on file. BMP maintenance is the responsibility of individual parcel owners per site plan. Inlets consist of grass swales between houses.	6/6/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6575	NA	Sat - One of the grass swales does not extended all the way to the detention area (concrete swale) resulting in standing water at the end of the swale. Suggest extending grass swale all the way to concrete swale.	Sat - Riprap at outlet has debris build up on it and vegetation growing on it. Suggest clearing all from riprap and keeping it clear.
Villas on Shady Banks	200300059-2	Pictures on file.	6/6/2012	Leah Aguilar	No	Retention Basin	0	6571	NA	Sat	Sat
Villas on Shady Banks	200300059-1	Pictures on file.	6/6/2012	Leah Aguilar	No	Extended Detention Basin	0	6572	NA	Sat	Sat - Top of riser is covered in debris. Need to make clearing of top of riser part of regular maintenance.
Amrits Point	200700074	Pictures on file. Unable to complete inspection due to access. There is somewhat of a path going to one area of the BMP but there is not access all the way around. The area is completely overgrown and difficult to inspect. Will return in after winter dieback.	6/7/2012	Leah Aguilar	Yes	Constructed Stormwater Wetland	1	6583	NA	NA - Area overgrown. Could not inspect.	NA
Hawks Landing	200400096	Pictures on file. Will reinspect in one year. BMP is surrounded by protected wetlands.	6/7/2012	Leah Aguilar	Yes	Retention Basin	1	6582	NA	Sat - Inlet pipes are underwater so could not inspect in detail.	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Comfort Suites	Sat	Sat	Sat - Wetland vegetation is emerging in basin bottom (OK).	NA	Sat	Sat		Sat - Maintain slopes and embankments at 6-9" high. Regularly clear inlet/outlet areas. Regularly remove trash from basin. Do not remove wetland vegetation from basin bottom. Continue to remove woody vegetation as it emerges.
Bionetics	Sat	Sat		NA	Sat	Sat	NA	Sat - Note that side slopes have been damaged by what appears to be lawnmower wheels. Suggest only mowing basin when the ground is dry.
Hunter Estates	NA	NA	Sat	NA	Sat	Sat	Unsat - Original plan/as-built indicates a mulch bed in basin bottom; this is not present or is covered over. Replace mulch per original plan.	Unsat
Hunter Estates	NA	NA	Sat	NA	Sat	Sat	Unsat - Original plan calls for mulch in the bottom of basin; there is currently none visible. Mulch needs to be installed per original plan.	Unsat
P & H LC	NA	NA	Unsat - Ground cover is not established on slopes. Need to re-seed and establish ground cover on slopes and bottom. Pine saplings are present on one slope. Need to remove all woody vegetation/saplings from BMP.	NA	Sat - Note that the rear embankment is lined with trees but this was part of original construction.	Sat - Appear sound.		Unsat
Rite Aid Pharmacy Store # 3971	Sat	Sat - Note that the elevation of the spillway is equal to the embankment; the riprap will need to be rearranged in this area for the spillway to operate properly.	Sat	NA	Sat	Sat		Sat
Magnolia Park (Maple Terrace)	Unsat - The outlet structure is leaking inside on 3 of the 4 corners and needs repair. The 3" dewatering orifice is clogged with debris and needs clearing.	Sat	Sat - Eroded areas on slopes need repair and reestablishment of ground cover - saw two.	NA	Sat	Unsat - Outlet structure issue listed above.		Sat - In addition to mowing slopes, need ro remove woody saplings as they emerge, especially around forebays/inlets.
Oak Ridge at Endview Plantation	NA	NA	Sat	NA	Sat - There are some bare patches in some of the yards that will need the re-establishment of ground cover. All of the grass in the individual yards is being cut to the BMP.	Sat		Sat
Villas on Shady Banks	NA	Sat	Sat - There is minimal shoreline erosion occurring. Suggest addition of vegetated buffer around shoreline to prevent further erosion.	NA	Sat	Sat		Sat
Villas on Shady Banks	NA	NA	Sat - One area of erosion on slopes. It is coming from a high flow area from the parking lot; there is also standing water in this area of the parking lot.	Sat	Sat	Sat		Sat
Ambrits Point	NA	NA	NA	NA	NA	NA		Unsat - It does not appear as if any regular maintenance is occurring. Grass/embankment cutting has not occurred.
Hawks Landing	Sat	Sat	Sat	NA	Sat	Sat		Sat - BMP is well maintained.

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Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Comfort Suites	NA	Sat	Sat	Sat	Sat	NA	NA	Sat
Bionetics		Sat - There is one willow coming up through gabion basket that needs removal.	Sat	Sat	Sat	NA		
Hunter Estates		Unsat - Two of the trees and most of the shrubs are dead or dying. Remove and replace dead vegetation per original plan.	Sat	Unsat - A large amount of sediment has accumulated in inlet area (covering swale) that needs removal.	Sat - Water is currently standing in basin but it did just rain. There is no standing water in basin B.	NA - Ensure periodic inspection of clean-out points is conducted.		
Hunter Estates		Sat	Sat	Sat - There is debris built up on the rock check dam.	Sat	NA		
P & H LC	NA	Unsat - Inadequate ground cover and woody vegetation present.	Sat	Sat	Sat	NA	NA	Unsat - Issues noted.
Rite Aid Pharmacy Store # 3971	Sat	Sat	Sat	Sat	Sat	NA	NA	Sat
Magnolia Park (Maple Terrace)	Unsat - Significant algal growth in forebays.	Sat	Sat	Sat	Sat	NA	NA	Sat
Oak Ridge at Endview Plantation	NA	Sat	Sat	Unsat - Debris is built up on riprap at outlet that needs removal.	Sat	NA	NA	Sat
Villas on Shady Banks	Sat	Sat	Sat	Sat	Sat - There is some standing water in the wooded areas adjacent to the BMP.	NA	NA	Sat
Villas on Shady Banks	NA	Sat	Sat	Sat - There is some sediment deposition in the inlet area and inside the inlet pipe.	Sat	NA	NA	Sat
Ambrits Point	NA	Unsat - Area is completely overgrown with woody/viney vegetation. There are willow trees present in the middle of the basin. It looks as if a reinforcement planting is needed but will access in more detail during followup.	NA	NA	NA	NA	NA	
Hawks Landing	Sat - The water is somewhat stagnant. May want to consider stocking mosquito larvae eating fish.	Sat - There is not a vegetated buffer present around the pond perimeter. However, since this pond is completely surrounded by wetlands, it seems to be functioning OK without it.	Sat	Sat	Sat	NA	Sat	Sat

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Colonial Harbor Retirement Residence	200500971	This was a follow up inspection to see if ground cover has been added onto slopes. No ground cover has been installed but tree clearing has taken place on all slopes and around shoreline. Now that slopes are cleared, owner needs to remove leaves, needles, and debris from slopes so that ground cover can be established. If slopes are not stabilized, erosion will occur because there is virtually no ground cover present (at larger basin). Owner has been called regarding the above. Will return in another 30 days to see if ground cover has been added. Owner is to take measures to prevent sediment from flowing into basin until slopes are stabilized.	6/12/2012	Leah Aguilar	Yes	Retention Basin	1	6610	NA	NA	NA
Felgates Woods	200600042	Pictures on file. This is the wet retention pond. Will reinspect in 60 days. For any maintenance work that takes place, care needs to be taken to do as little damage as possible basin slopes and bottoms. For any trees that are removed, stumps are also to be removed, holes filled and ground-cover re-established in area. During maintenance work, measures are to be taken to prevent sediment deposition into BMP.	6/12/2012	Leah Aguilar	Yes	Retention Basin	1	6602	NA	Unsat - Clear woody vegetation and brush from inlet area on top of and 10' on either side of inlet piping.	Sat - Riser and surrounding area OK. Could not inspect outfall area due to overgrowth; will reinspect during followup.
Felgates Woods	200600189-1	Pictures on file. This is detention basin 1. Will reinspect in 60 days. For any maintenance work that takes place, care needs to be taken to do as little damage as possible basin slopes and bottoms. For any trees that are removed, stumps are also to be removed, holes filled and ground-cover re-established in area. During maintenance work, measures are to be taken to prevent sediment deposition into BMP.	6/12/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6606	NA	Unsat - Remove sediment from inlet pipe/inlet area and dispose of offsite. Remove woody vegetation on top of and within 10' of inlet piping.	Sat - Remove woody vegetation from within 10' of outlet structure. Open riser cover and clear sediment from structure (per plan). Unable to inspect outfall area due to overgrowth; will inspect during follow up.
Felgates Woods	200600189-2	Pictures on file. This is detention basin 2. Will reinspect in 60 days. For any maintenance work that takes place, care needs to be taken to do as little damage as possible basin slopes and bottoms. For any trees that are removed, stumps are also to be removed, holes filled and ground-cover re-established in area. During maintenance work, measures are to be taken to prevent sediment deposition into BMP.	6/12/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6607	NA	Unsat - Remove woody vegetation from on top of and on 10' of either side of inlet pipe. Will inspect pipe in more detail once clearing occurs.	Sat - Riser and surrounding area OK. Could not inspect outfall area due to overgrowth; will assess during followup.
James York Self Storage Buildings	F14d-4095-1525	Pictures on file. Received site plan for proposed expansion of storage facility. Owner required to clean-up/repair this retention pond and the basin in front along Merrimac Trail. Owner also required to get a BMP agreement for this retention pond. Performed inspection to gauge health of BMP.	6/12/2012	Leah Aguilar	No	Retention Basin	0	6619	NA	Unsat - Inlet areas completely overgrown and clogged. Need to clear concrete swales all the way to end and remove woody vegetation within 10' of swales, piping.	Unsat - Could not fully access. Clear outlet (riser) area of vegetation and debris for future inspection. Top of riser covered in debris. Remove woody/shrubby vegetation 10' radius of riser. Could not access outfall area prior to site plan finalization; this will require cutting an access path.
Oaks at Fenton Mill	200600863	Pictures on file. Will re-inspect in 60 days.	6/12/2012	Leah Aguilar	Yes	Retention Basin	1	6609	NA	Unsat - Inlet areas have woody vegetation present. Need to remove woody/shrubby vegetation that is present on top of and 10' to either side of inlet piping. Entire root structure needs to be removed; holes need to be filled and ground cover re-established as needed. A drop inlet present along side BMP (DI # 25 per plan) is covered in black fabric; fabric can be removed, there is no construction currently occurring in this area.	Sat
Yorktown Commerce Park	200700051	This was a 14 day (second follow up) inspection. Met with contractor CA Barrs onsite 1 week prior to discuss work needed. Upon return on 6/12 only about 70% of the items were completed. Will notify owner and reinspect in six months.	6/12/2012	Leah Aguilar	Yes	Retention Basin	1	6618	NA	Sat - Stone has been added at inlet areas to bioretention.	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Colonial Harbor Retirement Residence	NA	NA	NA	NA	NA	NA		NA
Felgates Woods	NA	Unsat - Clear all vegetation from in and around spillway.	Sat - Woody vegetation is coming in around shoreline. Some erosion has occurred around shoreline. Need to leave a vegetated buffer strip (approx 5') around shoreline to deter erosion. This buffer would only need mowing 2-3 times per year. Recommend removal of all woody saplings from shoreline, especially pine. Slopes OK.	Sat - Fence is damaged in four areas.	Unsat - Dam is completely overgrown with woody/brushy vegetation. The entire dam needs to be cleared on both sides of woody/shrubby vegetation from the top to the bottom and along the entire length of the dam.	Sat - There are several cracks present in the emergency spillway, likely due to root activity. It is still opearational now but may need repair at a later time.		Sat - Mowing of side slopes is good. Leave buffer strip as indicated above. Once dam is cleared and ground cover established, mow entire dam regularly to deter woody vegetation.
Felgates Woods	NA	Sat - Spillway itself is fine and relatively clear of debris.	Sat - Slopes good. Remove trash/debris from basin bottom. Woody vegetation is present in basin bottom.	Sat	Unsat - Dam is completely covered in woody vegetation on rear side. Need to clear (and keep clear) both sides of dam along entire length and from top to bottom.	Sat - Appear sound.		Sat - Remove any more woody saplings as they emerge. Once dam is cleared, perform regular mowing of both sides of dam to prevent woody vegetation.
Felgates Woods	NA	Unsat - Spillway is very overgrown and there is a lot of trash present. Spillway is likely cracked but could not assess entire length due to overgrowth. Need to remove all vegetation, trash, debris from spillway.	Sat - Minimal trash present. Ground cover good.	Sat	Unsat - Dam is covered in woody vegetation on rear side. Need to clear and keep clear both sides of dam along entire length and from top to bottom of woody/shrubby vegetation.	Sat - What I can see appears sound; will inspect components in more detail once clearing occurs.		Sat - Remove woody vegetation as it emerges.
James York Self Storage Buildings	NA	NA	Unsat - Side slopes completely wooded and overgrown. Could not access ground cover but estimate that there is minimal cover due to shading. Could not see basin bottom.	NA	Unsat	NA - Unable to access but a detailed inspection of riser structure is needed; it appears that there may be some damage to the structure.		Unsat - Does not appear as if any has been occurring (may have never occurred). Clear and maintain access paths to inlet/outlet areas and completely around pond at all times.
Oaks at Fenton Mill	Sat	Unsat - Clear spillway and keep clear of woody/shrubby vegetation.	Sat	NA	Sat	Sat		Sat - Maintain clear access paths along entire length of all inlet piping and to outfall area.
Yorktown Commerce Park	Unsat - Asked contractor to install riprap or some type of fortification under exposed concrete pipe and it has not been done.	Sat	Sat - Erosion on side slopes has been repaired and ground cover re-established.	NA	Sat	Sat		Sat

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Colonial Harbor Retirement Residence	NA	Unsat - Ground cover has not yet been established on slopes and top of embankment at larger basin.	NA	NA	NA	NA	NA	NA
Felgates Woods	Sat - Minimal algal growth present.	Unsat - Ground cover on slopes OK. Woody vegetation is present at inlet, around shoreline, and covering dam. Lack of shoreline fringe.	Sat	Sat	Sat	NA	NA	Sat
Felgates Woods	NA	Sat - Slopes and bottom OK. Wetland vegetation present in basin. Woody vegetation present on throughout structure as detailed above.	Sat	Unsat - Sediment has accumulated in inlet pipe, inlet area, and likely in riser.	Sat	NA	NA	Sat
Felgates Woods	NA	Sat	Sat	Sat	Sat	NA	NA	Sat
James York Self Storage Buildings	NA - Could not fully access but the water is stagnant and there is algal growth present. The amount of shading due to the overgrowth has kept algal growth down some; the clearing will likely cause more algae and algal control measures may need to be taken at that time.	Unsat - Woody vegetation present throughout.	NA - Could not determine at this time.	Unsat - There is debris present throughout the entire BMP area.	NA	Unsat - Area surrounding BMP appears to be a dumping ground. At least 15 tires were in the immediate area. The concrete swales that run alongside the connector road (beside the BMP) are completely full of leaves/debris and are not even visible.	NA	Unsat - Completely wooded. Needs thinning/clearing and the reestablishment of ground cover.
Oaks at Fenton Mill	Sat - Minimal algal growth.	Sat - Woody vegetation is present; recommend removal of woody saplings (esp. pine) as they emerge. Do not remove any wetland vegetation. Ground cover is OK; there are a few bare areas that will need reseeding.	Sat	Sat	Sat	NA	Sat - Aquatic bench is not fully developed (20' all around per plan) but seems to be functioning. May want to consider reinforcement wetland plantings around bench.	Sat - Minimal bare areas.
Yorktown Commerce Park	Sat	Sat	Sat	Unsat - Requested contractor to remove sediment from bioretention filters and it has not been done.	Sat	NA	NA	Sat

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Holiday Inn & Suites Wmbg	2007-03	System was pumped out by Ziegler Plumbing on 6/5/12. Inside of Vortex unit was power washed and inspected by vendor. Removed 24" of sediment from unit. Will reinspect in one year for floatable debris. Pump out will not be necessary again for at least 3 years.	6/13/2012	Leah Aguilar	Yes	Manufactured BMP Systems	1	6608	NA	Sat	Sat
Plaza Azteca (Joe & Mimmas)/Stor Moore	200700797	This was a follow-up inspection. The only item that I was looking at was if some willow trees had been removed from the perimeter (inlet/outlet areas). The trees were removed. All items are now satisfactory.	6/14/2012	Leah Aguilar	No	Retention Basin	0	6628	Sat	Sat	Sat
Summer's Crossing	200600008	Pictures on file.	6/14/2012	Leah Aguilar	Yes	Retention Basin	1	6627	Sat - Wetland trees coming up around forebay. Remove any trees, including root, coming up through riprap.	Sat - See note under forebay. Remove any woody vegetation present on top of piping or within 10' of piping.	Unsat - Clear woody vegetation from outlet channel area. Outlet structure and grate OK.
Tramuel, Helena Family Subdivision	N11c-0491-1011	Pictures on file. Two basins present in front of property. Will re-inspect in one year.	6/14/2012	Leah Aguilar	No	Bioretention Basins	0	6634	NA	NA	NA
Villas at Yorktown	200800104	Pictures on file. Will re-inspect in one year.	6/14/2012	Leah Aguilar	Yes	Retention Basin	1	6625	Sat	Sat	Sat
Bunting Point	200501050	Pictures on file. Site plan indicates this is a dry detention with wetlands bottom. It is more accurately called an enhanced extended detention with wetlands bottom. Will re-inspect in six months.	6/15/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6629	NA	Sat - Some sediment buildup present in inlet swales but water is still flowing. There is standing water at the end of the concrete swale from Bunting Point Road; this could probably be eliminated if the area at the end of the swale/riprap is cleared of sediment, vegetation and debris.	Sat - Outfall ditch is lined with wetland vegetation and is located within the RPA.
Snowden Subdivision	200600869	Pictures on file. Inspected basins located at 618, 616, 614 Taliaferro. Could not located basin located at 620. Will re-inspect in one year.	6/15/2012	Leah Aguilar	No	Bioretention Basins	0	6633	NA	NA	NA
Custom Design Works	S02B-3819-3171	Filtterra located in corner of parking lot.	6/18/2012	Leah Aguilar	No	Bioretention Basins	0	6643	NA	Sat - Some sediment buildup at inlet but water can still flow through.	NA
Jacob's Springs 2 (Stephens Run)	200400081	Pictures on file.	6/18/2012	Leah Aguilar	Yes	Constructed Stormwater Wetland	1	6644	NA	Unsat - Inlet area overgrown with vegetation. Need to remove all woody vegetation on top and within 10' of piping. Remove entire root structure, fill holes, and re-establish ground cover as needed. Unable to inspect piping in detail due to overgrowth. There is still protection over the curb inlet that can be removed.	Unsat - Area overgrown and inaccessible. Need to clear and maintain an access path to outlet area at all times.
Major Family Subdivision	201100190	Pictures on file. Will reinspect in 1 year.	6/18/2012	Leah Aguilar	No	Extended Detention Basin	0	6642	NA	Sat	Sat
Williamsburg Hellenic Center	200800449	This was a follow up inspection to check for erosion repair and tree removal only. We met with owner onsite to discuss his BMP issues and agreed that they did not need to do any additional wetland plantings because the water level was not high enough to sustain them. For this visit, the eroded areas have been repaired. The holes were filled with dirt and then riprap. It does not appear as if the dirt was compacted so some of it may wash out. The requested tree removal has not occurred to date. Cattails have been cut from inside and around forebay. Will re-inspect in six months.	6/18/2012	Leah Aguilar	Yes	Retention Basin	1	6640	Unsat - Tree removal from riprap still needs to occur.	Sat	Sat
Heritage Humane Society	200700189	Pictures on file. Basin 1. Will perform follow-up inspection in winter to check outfall and outlet structure. As built drawings indicated that there were erosion issues at both outfall structures.	6/19/2012	Leah Aguilar	Yes	Bioretention Basins	1	6645	NA	Sat - Inlets from parking lot OK.	NA - Unable to inspect outfall due to overgrowth/access. Will reinspect in winter.
Heritage Humane Society	200700189	Pictures on file. Basin 2. This is the smaller basin. Will perform follow-up inspection in winter to check outfall and outlet structure. As built drawings indicated that there were erosion issues at both outfall structures.	6/19/2012	Leah Aguilar	Yes	Bioretention Basins	1	6646	NA	Sat	Sat - There was significant erosion around the outlet structure but the eroded areas have been filled with gravel. Continue to monitor structure stabilization; it is a little wobbly.

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Holiday Inn & Suites Wmbg				NA			NA	Sat
Plaza Azteca (Joe & Mimmas)/Stor Moore	Sat	Sat	Sat	Sat	Sat	Sat		Sat
Summer's Crossing	Sat	NA	Sat - No erosion spotted. Ground cover OK on slopes. Woody vegetation is moving in around shoreline. Remove all pine saplings from BMP structure at ground level. Thin willow saplings (now and as they emerge) to prevent overgrowth and shading.	NA	Sat	Sat		Unsat - Embankments and slopes need mowing. Maintain these areas at no higher than 9". Minimal trash/debris present.
Tramuel, Helena Family Subdivision	NA	NA	Sat	NA	NA	NA	Unsat - There is no mulch in the basins. Need to install mulch.	Sat
Villas at Yorktown	Sat	NA	Sat - Recommend leaving a vegetated buffer strip around pond shoreline to prevent erosion.	Sat	Sat	Sat		Sat
Bunting Point	Sat	Unsat - Largely covered in vegetation. Trees are coming up through riprap. There is a foot bridge present over spillway. Recommend removal of all tree saplings coming up through riprap.	Sat - Slopes were recently mowed. Ground cover is weedy but appears to be holding. No signs of erosion are apparent. Basin bottom is covered in wetland vegetation and black willows.	NA	Sat - Woody vegetation present throughout.	Sat - Appear sound.		Sat
Snowden Subdivision	NA	NA	Sat	NA	Sat	NA	Sat - Mulch may need to be changed soon in all three basins but current mulch OK.	Sat
Custom Design Works	NA	NA	NA	NA	NA	Sat	Sat - Recommend changing out mulch layer.	Sat
Jacob's Springs 2 (Stephens Run)	NA	Unsat - Completely overgrown. Need to completely clear spillway af vegetation.	Unsat - Slopes completely overgrown with woody/shrubby vegetation.	NA	Unsat - Completely overgrown with woody/shrubby vegetation. Need to clear and maintain an access path around entire top of embankment.	NA - Unable to inspect due to access.		Unsat - Trash pickup needed within basin. Clear access and inlet/outlet areas as indicated above. Suggest removing any saplings from slopes/embankments as they emerge.
Major Family Subdivision	NA	NA	Sat	NA	Sat	Sat		Sat
Williamsburg Hellenic Center	Sat	NA	Sat	NA	Sat - Ground hogs present around structure.	Sat		Sat
Heritage Humane Society	NA - Unable to inspect outfall due to overgrowth/access. Will reinspect in winter.	NA	Unsat - Significantly eroded area at one corner. There is an eroded channel and hole that runs beside/under a tree. If eroded area is not corrected, tree will likely fall soon.	NA	Sat	Sat - Inlet areas appear sound. Will recheck outlets in winter.	Sat	Sat
Heritage Humane Society	Sat	NA	Sat	NA	Sat	Sat - Appear sound.	Sat	Sat

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Holiday Inn & Suites Wmbg	NA	NA	Sat	Sat	NA	NA		
Plaza Azteca (Joe & Mimmas)/Stor Moore	Sat		Sat	Sat	Sat	Sat	Sat	Sat
Summer's Crossing	Sat - System appears healthy. Heavy cattail dominance in basin.	Sat - Nice showing of wetland vegetation in and around pond. Woody vegetation is encroaching and needs to be managed as described above. At least 3 of the original planted trees are dead; remove all dead vegetation from structure.	Sat	Sat	Sat	NA	Sat	Sat
Tramuel, Helena Family Subdivision		Unsat - There are only three plants present in basins; need to add reinforcement plantings per original plan.	Sat	Sat	Sat	NA		
Villas at Yorktown	Sat	Sat - There are a couple of pine saplings coming up through the riprap in the forebay - recommend removal.	Sat	Sat	Sat	NA	Sat	Sat
Bunting Point	Sat - Note that this was designed as a dry basin but it is currently holding water.	Sat - Woody vegetation is present in basin. Recommend thinning of willows in basin as needed to prevent overgrowth and dominance of basin.	Sat - The amount of vegetation present in basin may have slightly reduced the storage capacity; especially the trees.	Sat	Unsat - Standing water present at inlet areas and in basin. Take measures to minimize standing water wherever possible to avoid mosquito breeding habitat.	NA	NA	Sat
Snowden Subdivision		Sat	Sat	Sat	Sat	NA		
Custom Design Works		Sat - Tree is alive but very small.	NA	Sat	NA	NA		
Jacob's Springs 2 (Stephens Run)	Sat - Appears OK. Note that basin does appear to be holding more water than original design; however this could not be confirmed.	Unsat - Woody vegetation is present and is taking over throughout. Nice assortment of wetland vegetation in basin.	NA - Unable to measure at this time.	NA - Unable to measure at this time.	Sat	NA		
Major Family Subdivision	NA	Sat	Sat	Sat	NA	NA	NA	Sat
Williamsburg Hellenic Center	Sat	Sat	Sat	Sat	Sat	NA	Unsat - Aquatic bench not established.	Sat
Heritage Humane Society		Sat - Excellent vegetation assortment and establishment.	Sat	Sat	Sat	NA		
Heritage Humane Society		Sat	Sat	Sat	Sat	NA		

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmflnspectionId	Forbay	Inlets	Outlets
Jacob's Springs	S06b-3939-3946	Pictures on file. For any tree removal/maintenance work that takes place, care is to be taken to avoid sediment deposition into the pond. Any holes created need to be filled and compacted. Ground cover needs to be established in any bare areas.	6/19/2012	Leah Aguilar	No	Retention Basin	0	6649	NA	Unsat - Inlet pipes are underwater in pond - unable to inspect. There is woody vegetation present near inlet piping on slopes. Recommend removal of all woody vegetation on top or within 10' of inlet piping, including root structure.	Sat - Riser seems to be operational; there is water currently flowing out of it. The water is level with the 13.5" orifice so some short-circuiting is likely occurring. Outfall area is overgrown. Recommend clearing outfall area/rip rap of woody vegetation and maintaining clear access paths at all times. There is wood and concrete blocks stacked up beside riser structure. Recommend removal of this debris and any woody vegetation within 10' of outfall structure.
Sonic - Route 17	200200228	This was a third follow up inspection to make sure landscapers had completed required work. Most maintenance issues have been addressed. Future years (inspections) will focus on continuing to clear some of the woody overgrowth (pine) from the slopes and outlet area.	6/19/2012	Leah Aguilar	No	Constructed Stormwater Wetland	0	6650	NA	Sat - Inlet swales have been completely cleared and water is flowing into basin. However, the trees that were present in the swales have been dumped into the BMP. These trees need to be removed. Monitor inlet area to ensure no erosion is occurring and add riprap if needed	Sat - Continue to clear area of pines and pine needles.
Coventry Area 2 - Ferguson Glade	T02b-3939-2564	Pictures on file. This is the larger pond in this section with aerator. Resident approached me during inspection and commented that water level raises 5-6ft every time there is a significant rain.	6/20/2012	Leah Aguilar	No	Retention Basin	0	6656	NA	Unsat - Woody vegetation is present on top of piping. Inlet areas are overgrown with vegetation. Recommend removal of trees on top and within 10' of inlet piping, including root system.	Sat
Coventry Area 2 - Ferguson Glade	T02d-3686-2261	Pictures on file. This is the smaller basin in this section.	6/20/2012	Leah Aguilar	No	Retention Basin	0	6657	NA	Sat	Sat
Coventry Area 3 - Justinian Grove	T02d-3187-2158	Pictures on file. This BMP is referred to as Lake B and Area 3 on As-builts.	6/20/2012	Leah Aguilar	No	Retention Basin	0	6658	NA	Unsat - Erosion is present around inlet pipes coming from Ferguson Bend. Woody growth is present close to pipes/inlets. Recommend removal of all woody growth on top or within 10' of inlet piping. The inlet channel behind 100 Blackberry Bend is obstructed. There is a fallen tree (roots) that is blocking one of the inlet pipes. The channel needs to be cleared of leaves. Note that this channel occurs within a York Co. drainage easement and the County will complete the channel clearing.	Unsat - There is significant erosion on the bank/shore around the outlet. This area needs to be stabilized and measures taken to prevent further erosion.
Coventry Smithy Glen	T02d-4540-1703	Pictures on file. This is the pond that is located on the right side of Owen Davis when you are facing Coventry Blvd.	6/20/2012	Leah Aguilar	No	Retention Basin	0	6659	NA	Sat - Pipes are submerged but no visible signs of obstruction in area.	Sat
Coventry Smithy Glen	T02d-3992-1503	Pictures on file. This is the smaller pond located on the left side of Owen Davis when facing Coventry Blvd.	6/20/2012	Leah Aguilar	No	Retention Basin	0	6660	NA	Unsat - There is erosion occurring around inlet pipes. Recommend addition of riprap around pipes to prevent further erosion. Also recommend removal of all woody growth on top of or within 10' of concrete inlet or outlet piping.	Unsat - See notes above.
Coventry Smithy Glen	T02d-4264-0748	Pictures on file. This is the large U-shaped pond that kind of surrounds the Community Center. This BMP drains directly to the Big Bethel Reservoir.	6/20/2012	Leah Aguilar	No	Retention Basin	0	6661	NA	Unsat - Woody vegetation is present on top of inlet pipes by pool. Recommend removal of all woody vegetation growing on top or within 10' of piping, including root system.	Sat - Outlet pipes are submerged. It appears as if there are some vegetative obstructions inside the Reservoir fencing but I was unable to confirm this. There was standing water in the outlet structure.
HRSD - York River Treatment Plant	00000000-BMP 1	Pictures on file. Inspection conducted with Amy Green at the same time as the as-built inspection. Will reinspect in one year.	6/21/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6663	Sat	Sat	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Jacob's Springs	Sat	Unsat - Spillway is completely covered in vegetation and needs to be cleared.	Sat - Woody vegetation is present throughout slopes. Suggest removing willows that are leaning/falling into or have fallen into pond. Good vegetated buffer.	NA	Sat - One bare area at rear top (walking trail?).	Sat - Unsure of condition of riser. Water level indicates that some settling may have occurred.		Sat - Keep access path mowed around entire structure. Area near riser/emergency spillway is not mowed/cleared. There is a heavy poison sumac presence in the area. Area should be clearly accessible in case of emergency.
Sonic - Route 17	Sat	NA	Sat - Requested work for this year has been completed. Continue to remove woody growth from slopes. Continue to remove all dead vegetation.	NA	Sat	Sat		Sat
Coventry Area 2 - Ferguson Glade	NA	NA	Unsat - Erosion present at various areas around shoreline. Buffer strip is weedy and sparse in some areas. Poison ivy and sumac are present throughout buffer strip. Recommend mowing of entire buffer twice per year and the cultivation of more grassy (rather than weedy) species in the buffer zone to help prevent further erosion. Buffer strip is also full of leaves; these should also be cleared at least twice per year so they do not shade out the ground cover.	NA	Sat	Sat		Sat - Mow/clear buffer area twice per year as stated above.
Coventry Area 2 - Ferguson Glade	NA	NA	Sat - Woody vegetation is present on slopes. Recommend removal of dying pine covered in poison plants. Eroded areas are present at various locations along shoreline. See buffer strip notes on other Ferguson Glade pond inspection.	Sat	Sat - One bare area on top.	Sat		Sat - Mow entire slope twice per year and attempt to install/cultivate more "grassy" than "weedy" species.
Coventry Area 3 - Justinian Grove	NA	NA	Sat - Some woody growth but not enough to cause issues. Recommend removing tree limbs hanging in the pond. Trees growing (leaning) on water's edge will likely fall in. There is one bare/eroded area on the slope on the Ferguson Bend side. Recommend stabilizing and seeding this area before further erosion occurs.	Unsat - There are sign posts around the lake but signs are missing. Suggest putting up some kind of caution sign or notification where the erosion is occuring at the outlet.	Sat	Sat		Sat
Coventry Smithy Glen	NA	NA	Sat - Erosion is present at various areas throughout. Ground cover is OK, minimal bare areas present. There is some woody vegetation present. Recommend watching eroded areas carefully, especially around hard structures such as piping or the retaining wall. Repair any eroded areas immediately to prevent further erosion. Seed and stabilize any bare areas asap.	Sat	Sat	Sat		Sat
Coventry Smithy Glen	NA	NA	Unsat - Shoreline is completely undercut and eroding along Coventry Blvd. Erosion is occurring at various areas throughout BMP. Recommend repair of undercut areas and eroded areas to prevent further erosion. Note that the slopes are steep in some areas.	Sat	NA	Sat		Sat
Coventry Smithy Glen	NA	NA	Sat - There is erosion present at various areas throughout. Large portion of slopes have riprap or retaining walls present. Recommend the continued addition of riprap in eroded areas. Note that some of the slopes are very steep.	Sat	Sat - Well-maintained.	Sat		Sat
HRSD - York River Treatment Plant	Unsat - Trash rack is missing over orifice. Need to install trash rack (per plan) and clear orifice; it is currently blocked with debris.	Sat	Sat - Regularly clear concrete swale of sediment. Ground cover looks good.	NA	Sat	Sat		Sat

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Jacob's Springs	Sat - Fish and wildlife present. Minimal algal growth present, although amount may increase due to heat and stagnant water.	Unsat - Abundance of woody vegetation throughout. Suggest thinning of willows around pond to keep them under control. Suggest removal of any other woody saplings that remove. Suggest removal of sapling pine trees present on slopes. Ground cover OK.	Sat	Sat	Sat	Unsat - Aerator is present in pond but not operational. Stagnant water may increase algal growth and mosquito breeding.	NA	Sat - Issues noted.
Sonic - Route 17	NA	Sat - Basin is dominated by cattails.	Sat	Sat - Judging by the condition of the inlet swales during the initial inspection (completely buried under 8-10" of sediment), sediment deposition has likely occurred in basin, especially on parking lot side. No need for dredging currently.	Sat	NA		
Coventry Area 2 - Ferguson Glade	Sat	Sat - Poison ivy/sumac present in several areas. Ground cover in buffer region could be better.	NA	Sat - No evidence was witnessed. However, the fact that the pond floods often may indicate some sedimentation has occurred.	Sat	NA	NA	Sat - Issues noted.
Coventry Area 2 - Ferguson Glade	Sat	Unsat - Ground cover in buffer could be better, it is minimal in shaded areas. Some trees located right on the water's edge may eventually fall in. Recommend removal of any branches hanging into pond. Poison ivy/sumac throughout.	Sat	Sat	Sat	NA	NA	Sat - Issues noted.
Coventry Area 3 - Justinian Grove	Sat	Sat - Ground cover OK. Buffer well established almost completely around pond. Note that this buffer has been mowed and it is in good condition. Poison ivy/sumac is present in buffer.	Sat	Sat - There is some sediment build up in the inlet channel behind 100 Blackberry Bend.	NA	NA	Sat	Sat
Coventry Smithy Glen	Sat	Sat	Sat	Sat	NA	NA	NA	Sat - Issues noted above.
Coventry Smithy Glen	Sat	Sat - Ground cover on slopes is weedy; a grassy cover would help to better prevent erosion. Poison ivy/sumac present on buffer.	Sat	Sat	Sat	NA - The ditch running along front of pond on Owen Davis is full of sediment.	NA	Unsat
Coventry Smithy Glen	Sat	Sat	Sat	Sat	Sat	NA	NA	Sat - There is a lot of weedy growth and poison ivy/sumac present.
HRSD - York River Treatment Plant	NA	Sat	Sat	Sat - There is accumulated sediment in concrete swale.	Sat	NA	NA	Sat

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
HRSD - York River Treatment Plant	000000000-BMP 2	Pictures on file. Inspection conducted with Amy Green at same time as as-built inspection. Plan refers to this BMP as a retention pond but it is actually an extended detention with wetlands forebay (enhanced).	6/21/2012	Leah Aguilar	No	Extended Detention Basin	0	6664	Sat - Remove woody saplings from 10' perimeter of inlet headwall structure.	Unsat - Clear woody growth on top and 10' to either side of inlet piping.	Sat - Remove woody growth as indicated above and ensure no woody vegetation grows on dam.
WaWa/Stor Moore 3	200600834	Pictures on file. This was a follow up inspection. Some of the requested work has been completed; BMP is overall satisfactory. Will reinspect in 6 months.	6/21/2012	Leah Aguilar	Yes	Detention Basin	1	6662	NA	Sat - One of the inlet pipes from Wawa side is still about 75% full of sediment. Mamosa tree stumps/roots are still present over and beside inlet piping; entire tree and root structure needs removal.	Unsat - Outfall area still needs to be cleared of vegetation and debris.
Apple Door Systems	G12b-4798-3876	Pictures on file. Will re-inspect in one year.	6/22/2012	Leah Aguilar	No	Detention Basin	0	6670	NA	Sat	Unsat - Erosion and wash-out is occurring in outfall ditch. Recommend riprap for stabilization.
Callahan Village	94-SP030	Pictures on file.	6/22/2012	Leah Aguilar	No	Detention Basin	0	6672	NA	Sat - Some erosion has occurred at inlet channel but appears stable now.	Sat
Highgrove Subdivision	200800021	Pictures on file. This was a follow up BMP inspection/preliminary as-built inspection. None of the agreed upon work (between Randy Estness, E&S, Joe Brogan, and the contractor) has yet been completed. Will re-inspect in 30 days.	6/22/2012	Leah Aguilar	Yes	Retention Basin	1	6673	NA	Sat	Unsat - The ground in the outfall area is still mostly bare. The hydroseed has come up in some places but not enough. It may need to be reapplied or sod may need to be laid. Silt fencing has not been removed from in front of the outfall pipe.
Pizzaria UNO	D15c-1922-2498	Pictures on file. Will re-inspect in one year. Basin is classified as detention on plans but is acting as an extended detention with wetlands bottom.	6/22/2012	Leah Aguilar	No	Detention Basin	0	6671	NA	Unsat - One of the concrete swales from the parking lot is completely obstructed with vegetation. Recommend completely clearing swales.	Unsat - Trees are present around outlet structure and roots could cause cracking. Recommend removal of trees in close proximity to outlet structure.
Skimino Landing Ph 3B	200601022	Pictures on file. Will re-inspect in one year.	6/22/2012	Leah Aguilar	No	Detention Basin	0	6669	Sat	Sat	Unsat - Trees are present over and around pipe in outfall area. Need to remove trees, including root on top and within 10' of piping and/or outlet structures. Unable to get very close to outfall due to overgrowth.
BP Gas Station Lightfoot	B19b-3450-4180	Infiltration basin at front corner of property. Performed visual inspection only (not structural). Will reinspect in one year.	6/25/2012	Leah Aguilar	No	General Infiltration Practices	0	6680	NA	Unsat - Inlet swales are clogged with leaves/debris and should be kept cleared at all times.	NA - Did not inspect outlet structure. Recommend inspection of this structure.
Country Inn and Suites	D15d-3106-1785	Pictures on file. Basin is almost completely inaccessible due to lack of maintenance and overgrowth. Will attempt to re-inspect in winter.	6/25/2012	Leah Aguilar	Yes	Detention Basin	1	6674	NA	Unsat - Inlet area clogged with vegetation and debris and needs clearing.	Unsat - Significant erosion around riser. Riser area is overgrown with woody/shrubby vegetation and inaccessible. Could not get to outfall area due to overgrowth.
Days Inn Lightfoot	200000002	Pictures on file.	6/25/2012	Leah Aguilar	No	Retention Basin	0	6679	NA	Unsat - Inlet pipe clogged with sediment and vegetation; needs clearing. All inlet pipes need to be kept clear of any debris.	Unsat - Outlet riser is inaccessible. Keep a clear, maintained access path to this structure/area at all times. It looks like there is stagnant water in front of the structure. Need to clear woody/shrubby vegetation from outlet area and from around outlet structure.
Water Country USA Parking	200300731	Pictures on file. This was a follow up inspection. Will do follow up inspection in six months.	6/25/2012	Leah Aguilar	Yes	Retention Basin	1	6678	Sat	Sat	Unsat - Eroded areas beside pipe at outfall still need repair and stabilization. If trees that were cut down at ground level start to throw up shoots then the entire root/shoot structure needs to be removed.
Coventry Apartments-The Villas	200900141	Pictures on file. This was a follow up inspection. All items on original inspection have been addressed and BMP is now satisfactory. Will reinspect in one year.	6/26/2012	Leah Aguilar	Yes	Bioretention Basins	1	6696	Sat	Sat	Sat

Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
HRSD - York River Treatment Plant	Unsat - Missing trash rack over orifice on outlet structure; need to replace.	Sat	Sat	NA	Sat	Sat		Sat - Mow entire basin, slopes, dam, embankments at minimum twice per year to keep out woody vegetation. Remove saplings as they emerge.
WaWa/Stor Moore 3	Sat	Sat	Sat - Concrete swale still has sediment and vegetation in it that needs to be cleared (some clearing has occurred).	Sat	Sat	Sat		Sat
Apple Door Systems	Sat - Riser top is dented and structure is leaning slightly. There is no standing water in basin so it appears to still be working. Recommend opening riser cover for inspection.	NA	Sat - Looks as if past erosion has occurred but it appears stable now.	NA	Sat	Unsat - See notes on riser, item 4.		Unsat - Basin needs removal and debris removal. Recommend clearing debris from surrounding area as well.
Callahan Village	Sat	Sat	Unsat - Several large, bare areas on rear slope with current erosion happening. Need to stabilize and seed eroded areas to ensure ground cover is established throughout. Recommend seeding in early fall.	NA	Sat	Sat		Sat
Highgrove Subdivision	NA - Unable to inspect structure due to access. Contractor was to install a gate, currently there is a fence completely around the BMP.	NA	Unsat - Eroded areas have not yet been repaired and appear to be getting worse. Ground cover (hydroseed) has not established and does not appear to be growing.	Unsat - Fence gate still not installed.	Unsat - Eroded areas along the bottom of the fence have not yet been stabilized or repaired.	Sat		Sat
Pizzaria UNO	Sat - Spillway itself looks OK.	NA	Unsat - Basin bottom is full of trash and debris; need to remove.	NA	Sat	Sat		Unsat - Remove trash from basin.
Skimino Landing Ph 3B	Sat	Sat	Sat - There are some bare areas on the slopes that are beginning to erode; need seeding and stabilization.	NA	Sat	Sat		Sat - Maintain a clear access path all the way to outfall area at all times.
BP Gas Station Lightfoot	NA	NA		NA	Sat	NA - Did not inspect. Site plan indicates that there is 40' of 8" perforated PVC running down the middle of the basin with three observation wells. I did not see the wells; this could be due to the amount of leaf litter or standing water in basin. Recommend removal of leaves and inspection of (down) observation wells.	NA	Unsat - Remove leaves from basin; do not let leaves/debris accumulate on basin bottom.
Country Inn and Suites	Unsat - Unable to inspect.	Unsat	Unsat - Completely overgrown with woody/shrubby vegetation. There are a lot of fallen and/or dumped trees in the basin. There is a lot of trash that needs to be removed. There is virtually no ground cover due to shading and overgrowth.	Unsat - The fence is in disrepair. On the far side, the area under the fence is completely eroded and the fence is broken.	Unsat - Woody vegetation and erosion present.	NA - Unable to access at this time.		Unsat - Needs tree/shrub removal, trash removal. Need to re-establish ground cover once clearing is completed.
Days Inn Lightfoot	NA - Unable to inspect due to access.	NA	Unsat - Significant erosion occurring in some areas around shoreline. Ground cover is not fully established. There is woody/shrubby vegetation present. Recommend removal of woody/shrubby vegetation, installation of ground cover in all bare areas, and cultivation of a vegetated buffer region around the shoreline.	NA	Sat	NA - Unable to inspect.		Sat
Water Country USA Parking	Sat - Structure appears to be functioning. Note that there are some algal mats washed up on the slopes near the outlet structure (indicating high water level). It appears that the water should have gone down the spillway before it reached this level. This is something that needs to be monitored; if the outlet structure malfunctions then flooding could result.	NA	Unsat - There are still eroded areas on slopes that need to be filled and stabilized.	NA	Sat	Sat		Sat
Coventry Apartments-The Villas	Sat	Sat	Sat - Continue to repair eroded areas as they occur and immediately reseed any bare areas.	NA	Sat	Sat	Sat	Sat

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Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
HRSD - York River Treatment Plant	NA	Sat - Cattails dominant in forebay.	Sat	Sat	Sat	NA	NA	Sat
WaWa/Stor Moore 3	NA	Sat	Sat	Sat	NA	NA	NA	Sat
Apple Door Systems	NA	Sat	Sat	NA - Could not see basin bottom to assess this.	NA	NA	NA	Sat
Callahan Village	NA	Sat - Need seeding in some areas as noted.	Sat	Sat - There is some sediment deposition present inside the outlet structure.	NA	NA	NA	Sat - Issues noted.
Highgrove Subdivision	Sat - Significant algal growth. Water is mostly stagnant.	Unsat - Inadequate ground cover. Cattail dominance.	Sat	Sat	Sat	NA	Sat - Aquatic bench is mostly cattail.	Unsat - Issues noted.
Pizzaria UNO	NA	Sat - Ground cover OK. Woody vegetation and wetland vegetation present.	Sat - Note that the amount of vegetation in the basin has likely resulted in some reduction in storage volume.	NA - Issues noted.	NA	NA	NA	Sat
Skimino Landing Ph 3B	NA	Sat	Sat	Sat	NA	NA	NA	Sat
BP Gas Station Lightfoot		Sat	Sat	NA - Issues noted.	Unsat - There is standing water in bottom of basin and it has not rained in two days. Water has not infiltrated. This could be due to clogging. Need to eliminate standing water.	NA		
Country Inn and Suites	NA	Unsat - Overgrown as stated above. No ground cover.	Unsat - The amount of trees/vegetation has likely reduced the storage volume.	Unsat - Noted above.	NA	NA	NA	Unsat - Issues noted.
Days Inn Lightfoot	Sat - Aerator present; minimal algal growth.	Sat - Woody/Shrubby vegetation present.	Sat	Sat	Sat	NA	NA	Sat - Issues with vegetation noted above.
Water Country USA Parking	Sat - There is significant algal growth present. Recommend stocking with carp or using some other method of algal control.	Sat	Sat	Sat	NA	NA	Sat - Owner may be adding wetland plants to help establish aquatic bench all the way around. Currently the wetland bench is not fully established.	Sat - Mowing has been completed all the way to waters edge. Now allow a vegetated buffer strip grow along waters edge (around 5-10' wide). Mow all the way to water's edge twice per year (minimum) or as needed.
Coventry Apartments-The Villas		Sat	Sat	Sat - There is some sediment present in basin near riprap.	Sat	NA		

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Walmart Tabb	S03b-2811-3934	Pictures on file. Will re-inspect in one year.	6/26/2012	Leah Aguilar	Yes	Detention Basin	1	6695	NA	Sat	Sat
Coventry Professional Park	200600853 G	This was supposed to be the final followup inspection but work has not been completed. Some clearing has taken place. The items listed on this report are in addition to those listed on the first report (6075). They were only visible after clearing began. Will return in late early winter after dieback.	6/27/2012	Leah Aguilar	Yes	Retention Basin	1	6698	NA	Sat - Seed and stabilize areas on slopes that have been cleared around inlets. Ensure area around drop inlets/yard drains is cleared and kept cleared.	Unsat - Outlet area is completely clogged and water is trickling out. Need to remove all vegetation (dead and alive, woody, shrubby) from within 10' of outlet piping, including root structure. Need to remove accumulated sediments from this area.
Endview Woods Sec. 1	M11d-2953-2247 (A)	Pictures on file. Located at corner of Vivian and Old Williamsburg.	6/27/2012	Leah Aguilar	No	Extended Detention Basin	0	6699	NA	Unsat - Concrete swale beside 105 Vivian is completely clogged with sediment and debris. Needs to be cleared all the way in. Inlet area should also be accessible at all times; woody vegetation thinning/removal in this area is recommended.	Unsat - The pond flows out into a roadside ditch at corner of Vivian and Old Williamsburg. The ditch needs to be regraded; the pipe is almost completely buried in sediment and vegetation.
Endview Woods Sec. 2	m11d-2833-1876 (B)	Pictures on file. Could not walk all the way around BMP or inspect outfall at this time due to overgrowth and lack of access paths. Will re-inspect in winter. This BMP seems to be fully operating as a wetland.	6/27/2012	Leah Aguilar	Yes	Constructed Stormwater Wetland	1	6700	NA	Unsat - Remove woody vegetation, sediment, and debris from concrete swales. Area around yard drain (at corner) needs to be cleared of vegetation and debris. This inlet is also clogged and needs clearing.	NA - Unable to inspect at this time.
Grand Oaks	200400265 1	Pictures on file. This BMP is acting as an extended detention with wetland bottom. Will re-inspect in one year.	6/27/2012	Leah Aguilar	No	Detention Basin	0	6709	NA	Unsat - Area is completely clogged with debris. There are also trees present. Recommend clearing inlet area and pipe of leaves/debris and removing any woody vegetation within 10' of the inlet piping.	NA - Could not inspect due to overgrowth. Recommend clearing and maintaining this area at all times. Also, remove any woody growth within 10' of piping or outlet structures.
Grand Oaks	200400265 2	Pictures on file. Will reinspect in one year.	6/27/2012	Leah Aguilar	No	Extended Detention Basin	0	6710	NA	Unsat - Area is completely overgrown with woody vegetation and inaccessible. Need to clear 10' on either side of inlet piping of woody vegetation. Area should be kept clear at all times (ground cover only).	Unsat - Same comment as above. Also need to clear and maintain an access path to the outfall.
Walgreens-Victory #10453	200800354	This was supposed to be a follow up inspection and was conducted because the landscaper called to say the work was done. The work is not complete (notified contractor). The below items are those that still need to be addressed and/or have now become apparent due to slope clearing. Will return in two weeks.	6/27/2012	Leah Aguilar	No	Retention Basin	0	6712	NA	Unsat - Completely remove stumps/root structure within 10' of inlet piping.	Sat
York Crossing/Grafton Station Apartments	S06b-2606-2976	Pictures on file. Looks as if some (semi) recent clean-up and tree removal has occurred.	6/27/2012	Leah Aguilar	No	Retention Basin	0	6711	NA	Unsat - One of the concrete inlet channels (at end of pipe) is completely cracked and destroyed, possibly due to root activity. The damaged concrete section should be removed/replaced. Currently, water is able to seep through it. The adjacent slope is also severely eroded and needs repair.	Unsat - Clear area around outlet structure of debris and trash.
Cheyenne Hills Subdivision	200000027	Pictures on file. Site plan indicates this BMP is a constructed wetland; it is acting more as a retention pond.	6/28/2012	Leah Aguilar	No	Constructed Stormwater Wetland	0	6716	NA	Sat	Sat
Coastal Community Church	200900081	Pictures on file. This was a follow up inspection. Will return in six months.	6/28/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6718	Sat	Sat - Stone has been replaced at inlet area and no erosion is visible.	Sat - Outlet structure has been cleared. Perforated PVC is visible. Continue to keep this pipe and the top of the outfall structure clear of debris.
Custom Builder Supply Company	200500688	This was a re-inspection. All items from original inspection have been addressed. Will reinspect in April.	6/28/2012	Leah Aguilar	Yes	Detention Basin	1	6713	NA	Sat	Sat

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Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Walmart Tabb	Sat	NA	Sat	Unsat - Fence down/damaged in two areas.	Sat	Sat		Sat - Minimal trash present.
Coventry Professional Park	Unsat	NA	Unsat - Slope clearing is taking place. Need to stabilize cleared areas and install ground cover immediately.	NA	Unsat - Continue clearing.	Sat		Unsat - Continue clearing. Need to remove trash in and around structure. Remove all dead vegetation. Keep access paths cleared at all times.
Endview Woods Sec. 1	Sat - Keep spillway clear of debris at all times.	NA	Unsat - Slopes OK but woody vegetation has taken over almost the entire shoreline area. Recommend thinning of trees around the shoreline to allow for access and inspection (do not remove any wetland plants).	NA	Sat	Sat		Sat
Endview Woods Sec. 2	NA	NA	NA - Was not able to walk around all slopes. Woody vegetation is present throughout. Recommend removal of all pine saplings and thinning of other trees as needed to allow for access. Do not allow any woody vegetation to grown within 10' of an inlet or outlet pipe.	NA	Unsat - Need to keep clear, maintained access paths around entire structure (at top on embankment) at all times.	NA		Unsat - Remove dead vegetation. Remove pine saplings as they emerge. Dumping of tree limbs, grass clippings, etc is occurring in several areas. Maintain access paths to inlets/outlets and all the way around structure.
Grand Oaks	NA	NA	Sat	NA	Unsat - There are bare areas and erosion occurring at top of embankment. Need to stabilize and reseed this area.	NA		Unsat - There are whole bags of trash, debris, and various other items dumped into the BMP that need removal. Recommend removal of pine tree saplings from structure.
Grand Oaks	NA - Unable to inspect.	NA	Unsat - Completely overgrown with woody vegetation and inaccessible (bottom and part of slopes). There is no access to basin bottom.	NA	Sat - Look good.	NA - Unable to inspect.		Unsat - Clear dumped (clippings, branches, etc) vegetation from structure. Remove tree fallen in basin. Clear and maintain paths to inlets and outlets.
Walgreens-Victory #10453	Sat	Sat	Unsat - Slope on entry gate side is severely eroded in several areas. Eroded areas need to be filled and compacted. Then ground cover needs to be established on entire slope. All of the slopes around the pond have not yet been cleared; still have about 50' to go. Need to re-seed any bare areas on slopes to establish ground cover throughout structure.	Unsat - Fence is broken in two areas.	Sat	Sat		Unsat - Stumps from woody veg removal are 6-8" and need to be taken off at ground level. The vegetation that was cut down needs to be entirely removed from BMP; currently it is left or thrown on top of the wetland bench.
York Crossing/Grafton Station Apartments	NA	NA	Sat - There is significant erosion on various areas around slopes (some extensive) and around the shoreline. There is no ground cover in some areas. There is some woody vegetation present but there has also been a lot removed (good). Current amount of woody vegetation is OK but recommend not letting any more grow. Recommend stabilizing and re-establishing ground cover in all bare areas. Recommend living a vegetated buffer strip around the shoreline to prevent erosion.	NA	Sat	Unsat - Inlet pipe mentioned above.		Unsat - A lot of trash in and around basin needs removal.
Cheyenne Hills Subdivision	Sat	NA	Sat - No erosion evident. Some bare areas that should be seeded (in Fall). Some woody vegetation present.	NA	Unsat - Top of embankment on rear slope has sparse vegetation (matting is present). Need to re-seed the embankment and establish ground cover throughout.	Sat - Appear sound. Note that outfall structure looks as if it may have a grate (cover?) missing.		Sat
Coastal Community Church	Sat	Sat	Unsat - There are still bare areas on slopes that need to be seeded. Can seed now and water every day until established or can seed in fall. Need a vegetated buffer around shoreline to prevent erosion.	Sat	Sat	Sat		Sat
Custom Builder Supply Company	Sat	Sat	Sat	NA	Sat	Sat		Sat

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Walmart Tabb	NA	Sat	Sat	Sat - There is sediment present in the concrete swales. Recommend clearing swales periodically to avoid sediment deposition into basin or vegetation growing in swales.	Sat		Sat	Sat
Coventry Professional Park	Unsat - There is a lot of oil and grease in the pond, especially in the inlet area. Measures need to be taken to remove this from the pond.	Unsat - Woody/shrubby vegetation domination. No ground cover.	NA - Not able to access.	NA - Not able to access.	Sat	NA	NA	Unsat
Endview Woods Sec. 1	Sat - Note that water level currently appears high.	Unsat - Wetland vegetation is good. Woody vegetation has made the pond virtually inaccessible.	Sat	Sat - It is likely that sediment deposition has occurred but that could not be measured during this inspection.	Sat	NA	NA	Sat
Endview Woods Sec. 2	Sat - Very little water present, appears OK.	Sat - Wetland vegetation good. There is a significant amount of woody vegetation.	Sat	NA - No way to tell at this time.	Sat	NA		
Grand Oaks	NA	Unsat - Pines and woody vegetation present at inlets/outlets and around shoreline.	Sat	Sat - Issues noted.	Sat	NA	NA	Sat
Grand Oaks	Sat	Unsat - Issues noted. Recommend removal of all pine saplings.	Sat - Volume may have been reduced due to amount of vegetation present.	Sat - Issues noted.	Sat	NA	NA	Sat - Issues noted.
Walgreens-Victory #10453	Sat	Unsat - Ground cover not established throughout. Wetland vegetation is well established - do not remove any wetland vegetation.	Sat	Sat	Sat	NA	Sat	Unsat
York Crossing/Grafton Station Apartments	Sat - Appears healthy.	Sat - Allow vegetated buffer strip to grow that is only mowed periodically.	Sat	Sat - Note that basin appears shallow in some areas and sediment deposition is visible in some areas.	Sat	NA	NA	Sat - There are numerous eroded areas that need ground cover.
Cheyenne Hills Subdivision	Sat - Water is dyed and fairly stagnant. No algae present. Did not see any signs of life. It is possible that whatever is being used to treat the water has not allowed the wetland vegetation to develop. Consider stocking mosquito eating fish.	Unsat - None of the original wetland plants (per site plan) are present. There is one section that has wetland plants. Recommend the addition of wetland plants around the perimeter of the basin and possibly reducing or stopping the chemical water treatments.	Sat	Sat	Sat	NA		
Coastal Community Church	Sat - Water looks a little better than last time; there is less algae present.	Unsat - There is no wetlands fringe present or buffer strip. Recommend addition of wetlands plants around shoreline.	Sat	Sat	Sat	NA	NA	Sat - Issues noted. Need full establishment of ground cover throughout.
Custom Builder Supply Company	NA	Sat	Sat	Sat	NA	NA	NA	Sat

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Site	SWMF ID	Inspection Note	Original Inspection Date	InspectorName	Follow-up Action Required	DCR Classification	Number Of Reinspections	SwmfInspectionId	Forbay	Inlets	Outlets
Great Wolf Lodge	200300612	Pictures on file. This was a follow-up inspection. All items from original inspection have been addressed. The items listed below represent the next phase of work and will need to be completed before the next inspection in December, 2012.	6/28/2012	Leah Aguilar	Yes	Retention Basin	1	6715	Unsat - Forebay area is completely surrounded and overgrown with woody vegetation. Need to clear all woody vegetation from riprap separating forebay from main basin. Clear pine trees from forebay perimeter (OK to take off at ground level). Do not disturb wetland plants. There has been a significant amount of sediment deposition into the forebay area. This will be measured during the winter follow-up inspection; it is possible sediment will need to be removed from forebay area.	Sat - Inlet areas are satisfactory for now. For winter, need to remove remaining pine trees at mouth of inlet (from grass swale) and install ground cover into area. Continue to monitor inlet swale to ensure erosion repair fixtures hold and that ground cover is established; immediately stabilize and repair any eroded areas. Continue to keep inlet areas maintained and clear of debris and excessive vegetation.	Sat - Outlet satisfactory for now. For winter, clear vegetation from PVC pipes on outlet structure. Clear and maintain a 10' wide path from top of embankment to outfall area. Remove tree that is currently 1' from outlet grate structure. Continue to keep outlet piping and area free of debris.
Riverwalk Townes Ph 1	200700988-2	This was supposed to be a follow up inspection. Developer said that full pond conversion (addition of gabion baskets, outfall repair, forebay refurbish) would be completed by this date. However, no work has been done. This report is just to track the dates and show that an inspection attempt was made. All items from previous inspection (6548) are still valid. Will attempt another inspection in 30 days.	6/28/2012	Leah Aguilar	Yes	Extended Detention Basin	1	6717	NA	NA	NA
Yorktown Athletic Club	200501096	Pictures on file. This is a follow up inspection. Most of required work from first inspection is complete. Will re-inspect in six months.	6/28/2012	Leah Aguilar	Yes	Detention Basin	1	6720	NA	Sat - Remove visible sediment from corner inlet pipe.	Sat - Scrape accumulated sediment and debris from outlet structure (concrete area in front of grate).
Yorktown Trace	200000037	Pictures on file. Will reinspect in one year.	6/28/2012	Leah Aguilar	No	Constructed Stormwater Wetland	0	6714	Sat	Sat	Unsat - Outlet pipe has vegetation and sediment accumulated in opening and needs clearing.
Kings Creek Plantation	114c-0601-1017(BMP 9)	Pictures on file. This BMP is located inside a mature forest. Will reinspect in April.	6/29/2012	Leah Aguilar	Yes	Detention Basin	1	6721	NA	Unsat - Clear inlet area of leaves, debris, and vegetation so that water can flow into basin. No woody vegetation should be present on top or within 10' of inlet pipes.	Unsat - Clear area around outlet structure and grate leading into structure of vegetation. No woody vegetation should be present on top or within 10' of outlet pipes or structures.

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Site	Principal Spillway	Emergency Spillway	Basin Botton and Side Slopes	Safty Devices	Embankments	Structual Components	Media	Routine Maintenance
Great Wolf Lodge	Sat	Sat	Sat - Slopes satisfactory for now. Slopes that do not have fully established ground cover will need seeding in fall. For sure, the entire slope where the outlet structure is located will need seeding. Seed other areas as needed. Continue to remove pine trees from vegetated buffer along shoreline.	NA	Sat - Monitor burrowing animal activity along embankments (three anunal burrows present during this inspection).	Sat		Sat - Maintain ground cover of slopes and embankments no higher than 8" at all times. Remove saplings as they emerge in the vegetated buffer area. Leave removal will be needed from the entire structure in the fall/winter.
Riverwalk Townes Ph 1	NA	NA	NA	NA	NA	NA		NA
Yorktown Athletic Club	NA	Unsat - Clearing has been completed. Need to seed area; needs to completely covered with grass. Until ground cover is established, this area needs to be stabilized (could use some type of matting).	Sat - Slopes have been cleared. Re-seed bare areas as needed. Maintain vegetation no higher than 8".	Unsat	Unsat - Top of embankment is cleared of vegetation; needs ground cover. Need to seed area and stabilize until ground cover is established.	Sat		Sat - Owner is still removing cut vegetation from site.
Yorktown Trace	NA	Sat	Sat - Erosion has occurred throughout shoreline. Need to leave a vegetated buffer strip or install wetland fringe plants to prevent further erosion.	Sat	Sat	Sat - End of concrete inlet pipe near picnic area is broken off but pipe is still operational.		Sat
Kings Creek Plantation	NA	NA	Unsat - Completely woody but slopes mostly stable. Slopes covered in leaves and pine needles. No ground cover, trees only.	NA	Sat	NA - Unable to inspect at this time.		Unsat - None has ever occurred. Need to clear basin bottom of vegetation and leaves/debris. Cut and maintain vegetation to about 8". Clear and maintain an access path to the BMP inlet, outlet, and outfall areas.

Site	Condition of Aquatic Environment	Vegetation	Storage Volume	Debris / Sediment Accumulation	Standing Water	Other	Safety and Aquatic Bench	Side Slope Vegetation
Great Wolf Lodge	Sat	Sat - Satisfactory for this inspection. See notes above for additional needs.	Unsat - Amount of sediment deposition into forebay has likely reduced storage volume in this area.	Sat	Sat	NA	Sat	Sat - Issues noted above.
Riverwalk Townes Ph 1	NA	NA	NA	NA	NA	NA	NA	NA
Yorktown Athletic Club	NA	Sat	Sat	Sat	Sat	NA	NA	Sat
Yorktown Trace	Sat - Water is stagnant and will breed mosquitoes. Need to take mosquito control measures if not done already. Some algae present.	Sat	Sat	Sat - Some sedimentation has occurred at rear of pond.	Sat	NA		
Kings Creek Plantation	NA	Unsat - Issues noted.	Sat	Sat	NA	NA	NA	Unsat

Permittee	Min Maj Class	HUC Watershed	Outfall ID	Type	Size	Contributing Drainage Area	Interconnected To	Lat	Long	Status	Date Online	Comments
York County	Major	CB21	P440130F	Channel		62.6	VDOT	37.12564663	-76.45241037	Active	1/1/1985	discharges to a double box culvert under Yorktown Road (VDOT) Ditch
York County	Major	YO69	W370020F	Pipe			York County	37.23992517	-76.51202917	Active		48" cmp
York County	Minor	CB21	P260030F	Channel			York County	37.18614268	-76.49122596	Active		CONTRIBUTING AREA ESTIMATED
York County	Minor	YO69	W130020F	Channel			York County	37.19783463	-76.48638189	Active		AREA ESTIMATED
York County	Minor	YO69	W130030F	Channel			York County	37.19739878	-76.48705244	Active		AREA ESTIMATED
York County	Minor	YO69	W130040F	Channel			York County	37.19591173	-76.48844719	Active		ESTIMATED AREA
York County	Minor	JL38	L220010F	Channel			York County	37.22926912	-76.54704809	Active		ESTIMATED AREA
York County	Minor	JL38	L22020F	Channel			York County	37.22936309	-76.54929578	Active		ESTIMATED AREA
York County	Minor	CB21	A080090F	Channel			York County	37.21042196	-76.42729282	Active		ESTIMATED AREA
York County	Minor	CB21	A080060F	Pipe	18		York County	37.20783288	-76.42024398	Active		ESTIMATED AREA.
York County	Minor	CB21	A080070F	Pipe	18		York County	37.2127717	-76.42053366	Active		ESTIMATED AREA ONE SECTION BROKEN
York County	Minor	CB21	A080080F	Pipe	18		York County	37.21453183	-76.41903162	Active		AREA ESTIMATED
York County	Minor	CB21	W240140F	Channel			York County	37.19301235	-76.47834331	Active		estimated area
York County	Minor	YO69	W24005F	Channel			York County	37.19321105	-76.4761734	Active		ESTIMATED DA
York County	Minor	YO69	240060F	Channel			York County	37.19469815	-76.47241831	Active		ESTIMATED DA
York County	Minor	CB21	A080050F	Channel			York County	37.20584402	-76.43749058	Active		ESTIMATED DA