2014 MS4 Annual report, George Washington Memorial Parkway Permit registration Number VAR040111

1. The name and permit number of the program submitting the annual report;

Name: George Washington Memorial Parkway, a unit of the National Park Service
Address: 700 George Washington Memorial Parkway, Turkey Run Park Headquarters

City: McLean State: VA Zip: 22101 Permit Registration Number: VAR040111

2. The annual report permit year;

2014

3. Modifications to any operator's department's roles and responsibilities;

None

- 4. The number of new MS4 outfalls and associated acreage by HUC added during the permit year;

 None
- 5. A signed certification in accordance with 4 VAC 50-60-370;

Attached

6. The status of compliance with permit conditions, an assessment of the appropriateness of the identified best management practices, and progress towards achieving the identified measurable goals for each of the minimum control measures;

An assessment of the identified BMPs has determined that they are appropriately addressing the minimum control measures outlined in the MS4 General Permit

7. The results of information collected and analyzed, including monitoring data, if any, during the reporting period;

No information was collected or analyzed during the reporting period.

- 8. A summary of the stormwater activities you plan to undertake during the next reporting cycle;
 - Bridging the watershed programs with teachers and classes will continue throughout the year.
 - Advertise for, coordinate and lead volunteer cleanup efforts for streams, riverside and wetland areas throughout the Parkway.
 - Partner with local environmental groups (Friends of Dyke Marsh).
 - Clean storm sewer blockages.
 - Protect from development and preserve the 4237.5 acres of the parkway, which function as a vegetated buffer strip between the Potomac River and developing urban areas.
 - Continue current policy and practice of "no noticeable accumulation of debris at any time" throughout the Parkway

- Continue minimizing the use of winter salting on the Parkway through regular oversight and supervision of maintenance personnel during operations to assure that only the necessary amount is used. Use less salt in parking lot areas and access roads.
- Sustain partnership with Virginia Master Naturalists.
- Continue biodiversity programs initiated in FY 2014
- 9. Changes in any identified best management practices or measurable goals for any of the minimum control measures including steps to be taken to address any deficiencies;

None

10. Notice that you are relying on another government entity to satisfy some of the permit obligations (if applicable);

N/A

11. The approval status of any programs pursuant to Section II C of the General Permit (if appropriate), or the progress towards achieving full approval of these programs;

None

12. Information required pursuant to Section I B 9 f of the General Permit;

92,556,288 ft³

13. The number of illicit discharges identified and the narrative on how they were controlled or eliminated pursuant to Section II B 3 of the General permit;

None identified in the reporting period.

- 14. Regulated land-disturbing activities data tracked under Section II B 4 c of the General Permit; None identified in the reporting period.
- 15. All known permanent stormwater management facility data tracked under 4 VAC 50-60-1240, Section II B 5 b (6) submitted in a database format to be prescribed by the department. This information has been requested to be submitted in Microsoft Excel or Mocrosoft Access. The information can be submitted on disc or sent via e-mail to StormBmp@der.virginia.gov;

GWMP has not installed any of the type of stormwater facilities listed in the Virginia Stormwater Management Handbook for the purpose of stormwater management.

16. A list of any new or terminated signed agreements between the operator and any applicable third parties where the operator has entered into an agreement in order to implement minimum control measures or portions of minimum control measures; and

None

17. Copies of any written comments received during a public comment period regarding the MS4 Program Plan or any modifications.

None

CERTIFICATION STATEMENT AND SIGNATORY REQUIREMENTS FOR MS4 PERMIT APPLICATIONS AND REPORTS

As required by 9VAC25-870-370 B, all reports required by state permits, and other information requested by the board shall, be signed by a responsible official or by a duly authorized representative of that person. A responsible official is:

- 1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
- 2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- 3. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

A person is a duly authorized representative only if:

- 1. The authorization is made in writing by a person described above;
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
- 3. The written authorization is submitted to the department.

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.

Responsible Official Signature

Date

VARO4111 George Washington Memorial Perkway
Permit Number MS4 Name

Minimum Control Measure No. 1: Public Education and Outreach

Proposed BMP	Program Description	Measurable Goal/ Expected Results	Status	Future Activities
Bridging the Watershed	Make local middle and high school districts more aware of education programs such as 'Bridging the Watershed' (BTW). The GWMP participates in the BTW curriculum-based program which was designed to promote hands-on opportunities for students to examine local watersheds and study the impacts of people on these resources. The program is designed in five basic modules, including field studies that 1) analyze water chemistry and its relationship to pollution, 2)	Increased visitor satisfaction, enhanced visitor understanding, and promoted resource stewardship & protection	The North District conducted Bridging the Watershed (BTW) modules during the previous year. North District also conducted non-BTW programs that focused on the importance of the Potomac River's watershed.	Continue current program, evaluate annually.
	identify macroinvertebrates and their relationship to stream pollution, 3) teach about invasive plants, 4) expose students to sedimentation in a watershed, and 5) examine trash and its effects in the watershed.			

Minimum Control Measure No. 1: Public Education and Outreach

Distribute	Distribute literature on	Enhanced	7,000 copies were distributed at Theodore	Due to regular
literature on 'Sustainable Fishing'.	'Sustainable Fishing' at each visitor contact station within the Parkway.	visitor understanding and promoted resource stewardship & protection	Roosevelt Island and 3,000 copies were distributed at Turkey Run Park in 2008.	vandalism of brochure/literature boxes, increasing the distribution was not possible and was discontinued.
Coordinate activities with neighboring municipalities.	Coordinate with Fairfax County, Arlington County and the City of Alexandria on related joint efforts.	Increased visitor satisfaction, enhanced visitor understanding, and promoted resource stewardship & protection	Completed the Mt Vernon Stream Restoration project in Fairfax County. Collaborated on an Environmental Assessment with Arlington County that will result in improvements to Roaches Run water quality due to the removal of invasives and restoring of wetland. Participated in the Virginia DEQ, DCR, and ICPRB Technical Advisory Committee which investigated sources of bacterial contamination in Four Mile Run. Parkway representation attended the rollout of the Four Mile Run Restoration Plan and submitted comments on the final draft.	Continue current program, evaluate annually.
Public awareness.	Install wayside exhibits within the Potomac Gorge to inform visitors on human impact to the local watershed.	Enhanced visitor understanding and promoted resource stewardship & protection	Waysides have been installed.	Continue current program, evaluate annually. Perform routine maintenance on waysides.
Internet awareness.	Create a website that discusses the impacts that polluted stormwater runoff	Enhanced visitor understanding	Water quality link created on GWMP Main page (see http://www.nps.gov/gwmp/supportyourpark/water-quality.htm) Links to information on water quality by	Recent reorganization of NPs websites

Minimum Control Measure No. 1: Public Education and Outreach

The state of the s	itioi measure 140. I. Fublic	Eddodtion and		
	discharges can have on the		Fairfax County - site with room by room tips on how	resulted in these
	water quality of the Potomac		you can conserve water at home.	links being deleted
	and its tributaries. Include		Interstate Commission on the Potomac River Basin -	from the GWMP
	related website links to		Improving the health of the Potomac River.	page. Re-
	Fairfax County, Arlington		Potomac Conservancy - watershed maps &	establishing them
	County and the City of		information on how to get involved, including water	has been more
	Alexandria.		conservation and volunteering.	difficult than
			City of Alexandria- tips on erosion, runoff, home	originally expected
			water conservation.	due to criteria for
			BayScapes - How lawn care impacts our drinking	the new system.
			water.	Will attempt to re-
			Reducing Stormwater Impacts - Arlington County	establish by the
			website featuring ways to help control what goes	end of 2014.
			into storm runoff.	
Bio Diversity	The George Washington	Increased	Helping to raise awareness and build stewardship	Continue program
Discovery	Memorial Parkway offered	visitor	of the natural resources of the George	in FY 2015 in
program	a series of public programs	satisfaction,	Washington Memorial Parkway, the Biodiversity	funding is
	to celebrate biological	enhanced	Discovery series served hundreds of visitors	available.
	diversity through free	visitor	through the following programs:	
	activities, events, and	understanding,	and the same transfer of the s	
	programs held throughout	and promoted	Picturing Biological Diversity, a 1-hour	
	the summer at Great Falls	resource	walk with a Ranger that introduces	
	Park and Dyke Marsh	stewardship &	biodiversity, and fun and meaningful ways	
	Wildlife Preserve.	protection	to explore, record and share the	
	Whalle Freserve.		1	
			biodiversity around us.	
			Pindivarsity Discovery Chile provided	
			Biodiversity Discovery Club, provided	
			weekly 2-hour gatherings for families at	
			two different Park sites along the Parkway	»
			(Great Falls Park and Dyke Marsh Wildlife	
			Preserve) with hands-on discovery of	

Minimum Control	Measure No.	1: Public E	Education and	Outreach

plants and animals with other families of "citizen scientists."
 Biodiversity Discovery Mini-Camps, a two-day cross-generational program for children and their parents and/or grandparents gave a jump-start to a lifetime of sharing the joy of discovering biological diversity.
 Great Falls Park at Dark, a series of three evening programs included Mothing Night, Sounds of a Summer Night, and a Cricket Crawl.

Minimum Control Measure No. 2: Public Involvement/Participation

Proposed BMP	Program Description	Measurable Goal/ Expected Results	Status	Future Activities
Volunteer Cleanups.	Advertise for, coordinate, and lead volunteer teams to cleanup stream, riverside and wetland areas throughout the Park. Current projects include the 'Watershed Cleanup and Weed War' at Belle Haven/Dyke Marsh, Annual Potomac Watershed Cleanup and International Coastal Cleanup, and the Stream Revitalization at Minnehaha Creek, which has involved 10 to 50 volunteers at any time.	Increased visitor satisfaction, enhanced visitor understanding, and promoted resource stewardship & protection	The George Washington Memorial Parkway conducts more than a dozen clean-ups annually in which thousands of trash bags and dozens of tires are collected. Sites that have been cleaned include, Belle Haven Park and Dyke Marsh Wildlife Preserve, Roaches Run, Riverside Park, sections of the Potomac Heritage Trail, sections of the Mount Vernon Trail, Daingerfield Island, Jones Point Park and Theodore Roosevelt Island.	Continue current program, evaluate annually.
Public presentation of 'River-Friendly Living' by the Potomac Cons. and The Nature Cons. at various locations around the Potomac Gorge.	The focus is for the public to learn simple and inexpensive practices to adopt to ensure a healthier and more natural Potomac River, including fertilizing lawns in a river-friendly manner.	Increased visitor satisfaction, enhanced visitor understanding, and promoted resource stewardship & protection	Hosted 4 TNC/Potomac Conservancy workshops at Great Falls, Virginia and at Sibley Hospital in Maryland.	Discontinued after 2007 due to poor attendance.

Minimum Control Measure No. 2: Public Involvement/Participation

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Involved decision-making and	Increased	The Little Hunting Creek Watershed Management	Continue current
strong partnership with local		_ · · · · · · · · · · · · · · · · · · ·	program, evaluate annually.
governments on common	satisfaction,		annually.
goals, and active participation	enhanced	1	
by NPS representatives.	visitor	eroded outfall near the southern terminus of the	
	understanding,	Mt. Vernon Trail.	
	and promoted		
	resource		
	stewardship &		
	protection		
			ν
Involved decision-making and	Enhanced	Information has been provided on this plan by	Goal met.
strong partnership with local	visitor	GWMP Natural Resource Management concerning	
governments on common	understanding	rare, threatened and endangered species found	
goals.	and promoted	within the Difficult Run Watershed in Great Falls	
	resource	Park, Virginia.	
	stewardship &		
	protection		
			4
Continue an active partnership	Increased	Active involvement by park representative. 1 joint	Friends of Dyke
	visitor		Marsh agreement
of The Nature Conservancy	2 0 96	Superior of the superior of th	has been renewed
· · · · · · · · · · · · · · · · · · ·			annually. The
and the Friends of Dyke	Cilianceu		
Marsh.	visitor		MD/DC TNC
	Involved decision-making and strong partnership with local governments on common goals, and active participation by NPS representatives. Involved decision-making and strong partnership with local governments on common goals. Continue an active partnership with the Maryland/DC chapter of The Nature Conservancy	Involved decision-making and strong partnership with local governments on common goals, and active participation by NPS representatives. Involved decision-making and strong partnership with local governments on common goals. Enhanced visitor understanding, and promoted resource stewardship & protection Enhanced visitor understanding and promoted resource stewardship & protection Continue an active partnership with the Maryland/DC chapter of The Nature Conservancy Increased visitor satisfaction, enhanced visitor understanding and promoted resource stewardship & protection	strong partnership with local governments on common goals, and active participation by NPS representatives. Involved decision-making and strong partnership with local governments on common goals. Enhanced visitor understanding, and promoted resource stewardship & protection Enhanced visitor understanding and strong partnership with local governments on common goals. Enhanced visitor understanding and promoted resource stewardship & protection Enhanced visitor understanding and promoted resource stewardship & protection Enhanced visitor understanding and promoted resource stewardship & protection Enhanced visitor understanding and promoted resource stewardship & protection Continue an active partnership with the Maryland/DC chapter Visitor satisfaction, enhanced visitor understanding and promoted resource stewardship & protection Active involvement by park representative. 1 joint task or event/year.

Minimum Control Measure No. 2: Public Involvement/Participation

		and promoted		been in place approximately 2
		resource		years, but is now
		stewardship & protection		expired.
Virginia Master Naturalists.	Sustain partnership with Virginia Master Naturalists.	Increased visitor satisfaction, enhanced visitor understanding, and promoted resource stewardship & protection	GWMP staff taught two classes for 50 students. Engaged seven citizen science volunteer in weekly activities over nine months. These classes dealt with watershed education and other natural resource topics.	Continue current program, evaluate annually.

Minimum Control Measure No. 3: Illicit Discharge Detection and Elimination

Proposed BMP	Program Description	Measurable Goal/ Expected Results	Status	Future Activities
Perform water quality monitoring through sampling tributary streams to the Potomac, and issue a water quality report that is made available to the public.	The monitored streams include Mine Run, Turkey Run, Dead Run, Gulf Brach, Pimmit Run, Donaldson Run and Spout Run. Sampling results will determine whether streams meet acceptable water quality standards through collecting and identifying benthic macroinvertebrates, sampling water chemistry and basic water quality parameters, and conducting habitat assessments following Virginia 'Save Our Streams' protocols. This is accomplished by testing for dissolved oxygen, conductivity, PH, nitrate, nitrite, air and water temperature, and turbidity (clarity). The results from the attached 2006 report will be used as the baseline data for this permit, where Mine Run received "acceptable" scores ranging 7-11, and all others received "unacceptable" scores at: Dead Run ranging 3-7, Turkey Run ranging 4-8, Pimmit Run ranging 3-8, Gulf Branch ranging 4-6, Donaldson Run ranging 3-6, and Spout Run scores ranging 3-5.	Promote resource stewardship & protection	Ongoing	Continue current program, evaluate annually.
Share results of GWMP stream monitoring with Arlington County and obtain any available water quality data from these	Two SCA interns conduct water quality monitoring and then present their findings to GWMP management staff at the end of each field season. Digital copies of the final report are available upon request and provided to Arlington County.	Promoted resource stewardship & protection	Ongoing	These intern positions were not funded in FY 2014. Will seek to restore funding in FY 2015.

Minimum Control Measure No. 3: Illicit Discharge Detection and Elimination

William Con	troi measure No. 3: illicit discharge detection and			
jurisdictions to incorporate into a parkway-wide report.				
Share results of GWMP stream monitoring with Fairfax County and obtain any available water quality data from these jurisdictions to incorporate into a parkway-wide report.	Two SCA interns conduct water quality monitoring and then present their findings to GWMP management staff at the end of each field season. Digital copies of the final report are available upon request and provided to Fairfax County.	Promoted resource stewardship & protection	Ongoing	These intern positions were not funded in FY 2014. Will seek to restore funding in FY 2015.
Website	Included in website above, display (or links to) a storm water system map and community information about hazards associated with illegal discharges and improper disposal of waste.	Increased visitor satisfaction, enhanced visitor understanding, and promoted resource stewardship & protection	50 website visits/year, increased knowledge in adjacent neighborhoods, and familiarity w/website.	Project completed 2010.
Monitoring and record- keeping	Perform monitoring and record-keeping at the parkway's Main Maintenance Complex, as noted in Stormwater Pollution Prevention Plan	Prevent any non- storm water contaminants from entering the storm	No contamination of storm water systems as a result of spills of fuel, oil, antifreeze,	Continue current program, evaluate annually.

Minimum Con	Minimum Control Measure No. 3: Illicit Discharge Detection and Elimination				
	water cat	tchment salt	t, and hazardous		
	basin sys	tem che	emicals.		

Minimum Control Measure No. 4) Construction Site Runoff Control

Proposed BMP	Program Description	Measurable Goal/ Expected Results	Status	Future Activities
All construction projects within park boundaries are directly managed and administered by the National Park Service, except for permitted utility work (which is never expected to disturb more than 1 acre)	Implement erosion and sediment control measures, in accordance with the Virginia Erosion and Sediment Control Handbook (VAESCH), through detailed plan review and regular site inspection of all construction projects within the park.	All projects undergo plan review and construction inspection for compliance with VAESCH standards	Implemented erosion control measures at construction sites. Periodically reviewing the extensive erosion control measures when needed.	Continue current program, evaluate annually.
Support Fairfax County, Arlington County and the City of Alexandria in the enforcement of their	Respond to requests for support within 5 days for a field review, and within 30 days for a written confirmation	Create strong partnership with local governments on common goals	Monitored and inspected outfall from Potomac Yards in City of Alexandria. Working with Fairfax County to improve drainage at the intersection of GWMP and Collingwood St.	As requested.

Minimum Control Measure No. 4) Construction Site Runoff Control

erosion and	Working with Fairfax
sediment	County construction
control	of a repair of a failing
program when	sewer line at Pimmit
adjacent	Run
construction	
activities	
adversely	
impact the	
parkway.	

Minimum Control Measure No. 5: Post-Construction Runoff Control

Proposed BMP	Program Description	Measurable Goal/ Expected Results	Status	Future Activities
Vegetated buffer strip	Protect from development and preserve the 4237.5 acres of the parkway, which function as a vegetated buffer strip between the Potomac River and developing urban areas.	No urban development within the parkway	Managed actions to sustain an unimpaired character and quality of the Parkway.	Ongoing
Limit development within Parkway boundary	Any "development" within park boundaries is limited to minimal increases in impervious surfaces such as road widening, parking lot expansion, or a building addition, and is directly managed and administered by the National Park Service. Implement water quality requirements, in accordance with the Chesapeake Bay Protection Act, through design and construction of all projects within the park. Applicable controls include preventative actions such as protecting sensitive areas (e.g., wetlands) or BMP's in accordance with the Virginia Stormwater Management Handbook (VASMH), such as the use of bio-retention, vegetated filter strips, or permeable surfaces.	All projects undergo incorporation of design elements as practical, according to VASMH standards	No change in impervious footprint.	Ongoing as necessary
Local consultation	Consult Fairfax County, Arlington County and the City of Alexandria on recommendations to design of BMP's according to local standards for parkway projects within the respective jurisdiction.	Number of BMP's that incorporate local standards, which may meet or exceed state requirements	Consulted Fairfax County on Mt Vernon project. Worked with Fairfax County to improve drainage at the intersection of GWMP and Collingwood St. A property was bought at GWMP and Collinwood St. The	Continue current program, evaluate annually.

Minimum Control Measure No. 5: Post-Construction Runoff Control

			existing pool area will be restored and the existing storm stream will be allowed to flow once again.	
Post- construction runoff control.	Where possible, support projects within the parkway proposed by Fairfax County, Arlington County and the City of Alexandria that offer benefit to post-construction runoff control.	Increase or stability in health of streams, as evidenced by monitoring	Supported Fairfax County in their construction of the Mt Vernon Stream Restoration project on Parkway property. Mt Vernon Stream Restoration project on Parkway property completed. Outfall repairs incorporated into North Design rehab for north Parkway.	Ongoing as necessary

Minimum Control Measure No. 6: Pollution Prevention/Good Housekeeping

Proposed BMP	Program Description	Measurable Goal/ Expected Results	Status	Future Activities
No noticeable accumulation of debris	Continue current policy and practice of "no noticeable accumulation of debris at any time" throughout the Parkway	Improved park appearance	Increase or stability in health of streams, as evidenced by monitoring, and maintain visitor satisfaction by no increase in complaints	Ongoing as necessary during routine maintenance
Storm sewer blockages	Clean storm sewer blockages and monitor for sufficient flow during rain storms.	Minimal or no adverse impacts as a result of blockages	Active monitoring program for functionality of park roadway water control features during rain events. Multiple repairs made to water drainage discharge site on North Parkway.	After major storm events and as necessary
Sewer catch basins	Inspect storm sewer catch basins. Prevent significant accumulation of sediment and debris in catch basins	Increase or stability in health of streams, as evidenced by monitoring	Weekly inspection performed of park's roadway water control feature. Weekly motorize roadway sweeping activities performed.	Monthly, and as necessary
Rehabilitate outfalls	Rehabilitate outfalls regularly to incorporate effective erosion control measures, methods and practices, and conduct stream restoration.	No net decrease in health of streams in the Parkway as a	Active monitoring program for functionality of park roadway water	Annually when possible during routine maintenance activities and/or on Parkway projects

Minimum Control Measure No. 6: Pollution Prevention/Good Housekeeping

		result of severe outfall erosion	control features during rain events. Multiple repairs made to water drainage discharge site on North Parkway.	
Use less salt	Continue minimizing the use of winter salting on the Parkway through regular oversight and supervision of maintenance personnel during operations to assure that only the necessary amount is used. Use less salt in parking lot areas and access roads.	Increase or stability in health of streams, as evidenced by monitoring	Seasonally during routine maintenance	Active monitoring program for park snow operations to evaluate and managed appropriate usage amounts of roadway salt treatment. Continued search for alternate product lines to replace or supplement park's salt treatment practices.
Pesticides	Continue current policy to minimize use of pesticides through 1) ensuring no pesticides are used near water sewer systems, 2) limiting the type of pesticide to water-diluted products such as "Round-up", 3) storing pesticides in a self-contaminate spill floor storage room, and 4) monitoring and safe guarding against run-offs, spills, and target drifts.	Increase or stability in health of streams, as evidenced by monitoring	Seasonally during routine maintenance	Completed annual pesticide training and continued to use less pesticides due to shortage of licensed pesticide applicators.
Compliance with the integrated resource protection program	Assure that maintenance program operations are in compliance with the integrated resource protection program, as monitored by natural resource managers and specialists, biologists, and park rangers.	Increase or stability in health of streams, as evidenced by monitoring	Ongoing	Compliance with the National Environmental Policy Act was completed for all projects with potential for environmental impacts.

Minimum Control Measure No. 6: Pollution Prevention/Good Housekeeping

Coordination of related training events	Coordinate with Fairfax County, Arlington County and the City of Alexandria on related training events	Strong partnership with local governments on common goals	Once/year, or when available	Coordinated with Fairfax County, Arlington County and the City of Alexandria on related environmental reports; however, no training events were scheduled with the mentioned counties.
Training	Provide for formal relevant training to Maintenance Division staff, such as on the handling of hazardous materials and certification program, seminars on 'Professional Green Industry' and use of pesticides as regulated by Virginia, winter salting operations and importance for sensitivity near bridges, and one-time courses such as 'BMP Solutions for Watershed Protection and Stormwater Compliance', by Maryland Department of the Environment T2 Training Center.	Successful application of knowledge to routine maintenance operations	Annually	Annual HAZWOPER training performed. Monthly operations meeting / training performed.
Non-structural BMPs	Perform non-structural BMPs at the parkway's Main Maintenance Complex, including training	No contamination of storm water systems as a result of spills of fuel, oil, antifreeze, salt, and hazardous chemicals.	Ongoing as needed	Installed filters in catch basins at car washing area at Main Maintenance Complex. Initiated use of absorbent pans to catch occasional oil spills during vehicle and equipment maintenance. Conducted Storm Water meetings and site walk arounds.