

BMP 4: Construction Site Storm Water Runoff Control

Appendix

City of Poquoson Annual Report

VAR# 040024

Permit Year 5 (PY5): July 1, 2017-June 30, 2018

Submitted to DEQ October 1, 2018

Updated MS4 Program Plan July 1, 2013 - June 30, 2018
City of Poquoson, VA VAR 040024

4. Construction Site Storm Water Runoff Control						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
4.1	Legal Authorities					
4.1.a	LD Activities > 10,000 SF	Continue to implement the Stormwater Management Ordinance & the Erosion and Sedimentation Control Ordinance	Stormwater Management Ordinance & Erosion and Sedimentation Control Ordinance	SW Program Administrator	Continuously	SWM & E&SC Ordinances online and letters from state. See Appendix
4.1.b	CBPA LD Activities >2,500 SF	Continue to implement the Chesapeake Bay Preservation Ordinance	Chesapeake Bay Preservation Ordinance	CBPA Program Administrator	Continuously	CBPA Ordinance on line and email from state in appendix
4.1.c	E&SC LD Activities	Continue to implement the Erosion and Sedimentation Control Ordinance	Erosion and Sedimentation Control Ordinance	E&SC Program Administrator	Continuously	E&SC Ordinance
4.1.d	Individual Lot or CPOD LD Activities > 10,000 SF	Continue to implement the SWM, E&SC, & CBPA ordinances	SWM, E&SC, & CBPA Ordinances	SW, E&SC, & CBPA Program Administrators	Continuously	Ordinances
4.2	Local Programs					
4.2.a	E&SC Plan Reviews	Continue to implement the site plan review, LID implementation where deemed appropriate, provisions of the local Erosion and Sediment Control Ordinance.	# plan reviews	Planning Department/ Engineering Division	Annually	Summary from Locality tracking system. See Appendix for list of projects.
						Compliant. 22 plan reviews: 18 single family home in lieu of reviews; 4 multi-family developments were reviewed. Please note that construction has decreased significantly from last year's totals.
						Compliant. Both SWM & ESC ordinances are available at https://www.municode.com/library/va/poquoson/codes/code_of_ordinances?nodeId=PTIICOOR_CH34EN
						Compliant. CBPA ordinance available online at https://www.municode.com/library/va/poquoson/codes/code_of_ordinances?nodeId=PTIICOOR_APXAZO_ARTXI.IVENMAAREMOVDI
						See 4.1.a (above) for weblink to ordinance
						See 4.1.a and 4.1.b (above) for weblinks to ordinances

Updated MS4 Program Plan July 1, 2013 - June 30, 2018
City of Poquoson, VA VAR 040024

4. Construction Site Storm Water Runoff Control							
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	PY 4 Status: Appendix p. 49-223
4.2.b	E&SC Program Consistency	At a minimum be consistent with the VA E&SC Law and regulation	State Board finding of consistency	E&SC Program Administrator	Continuously	Letter from DEQ (or DCR in prior cycles). See Appendix	Compliant. Letter from DCR in appendix.
4.2.c	CBPA Program Compliance	Maintain the City's Chesapeake Bay Preservation Act Program in Compliance with DEQ regulations	DEQ Compliance	CBPA Program Administrator (Environmental Compliance Officer in Poquoson)	Annually	Letter from DEQ (or DCR in prior cycles). See Appendix	Compliant. Letter from DEQ in appendix.
4.2.d	Public Inquiry	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 web page.	# of calls/requests, #site visits	E&SC Program Administrator (Environmental Compliance Officer in Poquoson)	Annually	Summary from Locality tracking system. See appendix for summary and info.	Construction was down this year from last year. The City staff did not receive any calls or complaints from citizens regarding erosion and sediment control.
4.3	Compliance and Enforcement						

Updated MS4 Program Plan July 1, 2013 - June 30, 2018
City of Poquoson, VA VAR 040024

4. Construction Site Storm Water Runoff Control						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
4.3.a	E&SC Inspections	Continue to implement construction site BMP, and inspection provisions of the local Erosion and Sediment Control Ordinance.	# of inspections	E&SC Program Administrator	Annually	Summary from Locality tracking system and inspection procedures are in appendix . Inspection forms, pictures and developer communications typical of City's inspection are found in enforcement section of appendix . Other examples found in enforcement section.
						Compliant. 690 inspections were conducted, primarily on single family home projects. Residential subdivision inspections were also conducted.
4.3.b	E&SC Inspection Schedule and Enforcement	Continue to implement inspection schedule and enforcement provisions per local Erosion and Sediment Control Ordinance	# of inspections; # enforcement actions	E&SC Program Administrator	Annually	Summary from Locality tracking system. See information on NOV's & backup info in appendix. Number of inspections found above in 4.3a.
						Compliant. One Notice to Comply was issued for ongoing violations. This is found in the appendix. A reminder email to a single-family (in lieu of) project is also attached. The NTC was issued because of repetitive failures to repair/replace older E&SC measures and because of the installation of a 2nd, inadequate construction entrance. The issues were corrected promptly after the NTC was sent. Performance on the site has improved since the NTC.

Updated MS4 Program Plan July 1, 2013 - June 30, 2018
City of Poquoson, VA VAR 040024

4. Construction Site Storm Water Runoff Control						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
4.3.c	E&SC Modifications due to inadequacy	Continue to implement provisions of the local Erosion and Sediment Control Ordinance requiring changes to the plan due to inadequacy.	# of inspections; # enforcement actions	E&SC Program Administrator	Annually	Summary from Locality tracking system. See appendix.
						Compliant. See summary information and typical inspection forms/photos/communications. Inadequate silt fencing and drain inlet protection was pointed out to contractors and corrected prior to next City inspection. This is standard practice.
4.3.d	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&SC Program Administrator	Annually	Spreadsheet of permits issued.
4.4	Certifications					22 permits and in lieu of agreements issued for a total of 8.62 acres of disturbance. See appendix for active permits.
4.4.a	E&SC Certifications	Ensure that plan reviewers, inspectors, and program administrators obtain the appropriate certifications as required under the Erosion and Sediment Control Law	Certifications obtained	E&SC Program Administrator	Ongoing	Certifications.
						The Environmental Compliance Officer holds the dual combined Administrator certification for stormwater and erosion and sediment control programs. This was recertified and is good until November 2021. The engineer received erosion and sediment control and stormwater inspector certifications. The City Inspector is also certified to conduct erosion and sediment control inspections. A temporary employee hired for the summer also held certifications in E&SC and stormwater inspections. See appendix.

4. Construction Site Storm Water Runoff Control						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
4.4.b	SWM Certifications	Ensure that plan reviewers, inspectors, and program administrators obtain the appropriate certifications as required under the Stormwater Management Act	Certifications obtained	VSMP Authority Administrator	Beginning in PY2	Certifications.
4.5	VSMP Authority Permits					
4.5.a	State VSMP program (prior to July 1, 2014)	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 DEQ to secure a VSMP Permit for Discharges of Stormwater from Construction Activities. Ensure permit has been obtained.	#of permit applications and permits issued.	E&SC Program Administrator	PY1 only	VSMP permit numbers. See appendix.
						Compliant. No new stormwater permit applications received or issued this year.

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4. Construction Site Storm Water Runoff Control						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
4.5.b	Local VSMP program (after July 1, 2014)	Implement the site plan review, construction site BMP, and inspection provisions of the local Stormwater Management Ordinance.	#of permit applications and permits issued.	VSMP Authority Administrator	Beginning in PY2	VSMP permit numbers
4.5.c	VSMP Inspections	Implement inspection provisions of the local Stormwater Management Ordinance for VSMP authority permits including Pollution Prevention Plans contained within the SWPPP	# of inspections; # enforcement actions	VSMP Authority Administrator	Beginning in PY2	Summary from Locality tracking system. See information on notices of violations in appendix
4.6	Update Program Plan	Update Construction Site Storm Water Runoff Control plan as necessary to maintain compliance with the permit		SW Program/E&SC Program Administrators & HRPDC	As scheduled in permit	Program Plan
						No new permits this year.
						273 Inspections were conducted this year; 0 enforcements were needed.
						Compliant. No changes to program plan this year. However, City replaced a temporary inspector (Gregg Nance) a permanent new staff member (Garrett Feagans) who performs inspections.

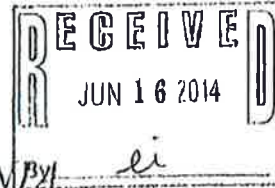
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4. Construction Site Storm Water Runoff Control						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
4.7	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section II E of General Permit VAR040027	SW Program/E&SC Program Administrators	Annually	Annual Report
						Compliant. One of the biggest challenges for staff is that the same data is being tracked for VSMP, E&SC, Ches Bay and MS4 programs. We appreciate DEQ's efforts to streamline data calls and look forward to this effort continuing.

Owner Name	Project Address	Lat/Long Decimal Degrees		BMP Type	RPA or RMA	HUC	Disturbed Area	Permit Fee ESC	Permit Fee SW
217 Associates	20-30 Fifth Lane	Lon (X): -76.38970	Lat (Y): 37.12859	Pond	RMA	CB22	1.24 acres	\$2,700.00	N/A
Kent Lawson	1291 Poquoson Avenue	Lon (X): -76.34639	Lat (Y): 37.12272	N/A	RMA	CB24	.16 acre	\$167.00	N/A
Selmo Sulejmanovic	882 Yorktown Road	Lon (X): -76.39328	Lat (Y): 37.13881	N/A	RMA	CB21	.32 acre	\$167.00	N/A
Craig R. McLellon	144 Pasture Road	Lon (X): -76.38497	Lat (Y): 37.15281	N/A	RMA	CB21	.87 acre	\$735.80	N/A
Wayne Harbin Bldr	15, 17, 19, 21 Village Park Ln	Lon (X): -76.39414	Lat (Y): 37.13156	Pond	RMA	CB21	.33 acre	\$167.00	N/A
Greenfield Homes	22 Trotter's Bridge Drive	Lon (X): -76.39707	Lat (Y): 37.14309	Pond	RMA	CB21	.28 acre	\$167.00	N/A
Joseph Rollins	16 Goodson Way	Lon (X): -76.39809	Lat (Y): 37.15108	Pond	RMA	CB21	.06 acre	\$167.00	N/A
Thomas P. Jones	74 Forrest Road	Lon (X): -76.36887	Lat (Y): 37.13487	N/A	RMA	CB21	.48 acre	\$112.00	N/A
217 Associates	2-16 Franklin Lane	Lon (X): -76.38949	Lat (Y): 37.12885	Pond	RMA	CB22	.44 acre	\$967.50	N/A
Pinters Alley, LLC	0 Church Street	Lon (X): -76.34945	Lat (Y): 37.12364	Swales	RMA	CB21	.57 acre	\$517.00	N/A
Tara Engle	902 Yorktown Road	Lon (X): -76.39256	Lat (Y): 37.13836	N/A	RMA	CB21	.32 acre	\$167.00	N/A
Total Home Improvement	15 Goodson Way	Lon (X): -76.39821	Lat (Y): 37.15117	Pond	RMA	CB21	.15 acre	\$171.00	N/A
William H. Wood	668 Poquoson Avenue	Lon (X): -76.38842	Lat (Y): 37.13478	N/A	RMA	CB21	.06 acre	\$171.00	N/A
James Lee Price	42F Pasture Road	Lon (X): -76.38942	Lat (Y): 37.14628	Swale	RMA	CB21	.61 acre	\$171.00	N/A
Ken Earley	4 Hollingsworth Way	Lon (X): -76.38557	Lat (Y): 37.15333	Pond	RMA	CB21	.23 acre	\$171.00	N/A
Tim Thomas	660 Poquoson Avenue	Lon (X): -76.38846	Lat (Y): 37.13500	N/A	RMA	CB21	.34 acre	\$171.00	N/A
Darrell E. Hunter	14 Goodson Way	Lon (X): -76.39811	Lat (Y): 37.15095	Pond	RMA	CB21	.22 acre	\$171.00	N/A
Marquee Homes, Inc	34 Church Street	Lon (X): -76.34906	Lat (Y): 37.12312	N/A	RMA	CB21	.57 acre	\$501.70	N/A
MCR Properties	1430 Poquoson Avenue	Lon (X): -76.34366	Lat (Y): 37.11363	N/A	RMA	CB24	.09 acre	\$171.00	N/A

BMP

4.2a



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

Street address: 629 East Main Street, Richmond, Virginia 23219

Mailing address: P.O. Box 1105, Richmond, Virginia 23218

Fax: 804-698-4019 - TDD (804) 698-4021

www.deq.virginia.gov

Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

(804) 698-4020
1-800-592-5482

June 13, 2014

J. Randall Wheeler, City Manager
City of Poquoson
500 City Hall Avenue
Poquoson, VA 23662

Dear Mr. Wheeler:

In accordance with §62.1-44.15:27 G of the Virginia Stormwater Management Act (Act), Department of Environmental Quality (DEQ) has completed the review of the City of Poquoson's final Virginia Stormwater Management Program (VSMP) application package submitted on June 02, 2014. Based on this review, DEQ has determined that the City of Poquoson VSMP is consistent with the Act, the VSMP regulation and the General VPDES Permit for Discharges of Stormwater from Construction Activities.

In light of this determination, DEQ approves the City of Poquoson's VSMP; and the City is authorized to operate a VSMP beginning on July 1, 2014. Please note that this approval is based on the content of the application package. Any changes made to the documents in the package after the approval date, including changes to the adopted ordinance, may necessitate DEQ evaluation as part of its compliance review of your approved VSMP.

Thank you for your cooperation in developing a VSMP. We look forward to continuing to assist the City with the implementation of its VSMP.

Sincerely,

David K. Paylor

cc: Melanie Davenport, Director, DEQ Water Division
Frederick Cunningham, Director, DEQ Office of Water Permits
Joan Salvati, Manager, DEQ Local Government Stormwater Programs

BMP

ATTACHED 4-1-4

BMP 4.2.b



L. Preston Bryant, Jr.
Secretary of Natural
Resources

Joseph H. Maroon
Director

COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND RECREATION

203 Governor Street, Suite 206

Richmond, Virginia 23219

Phone: (804) 786-2064 Fax: (804) 786-1298

July 24, 2008

Mr. Charles W. Burgess, Jr.
City Manager
City of Poquoson
500 City Hall Ave.
Poquoson, Virginia 23662

Re: City of Poquoson's Erosion and Sediment Control Program

Dear Mr. Burgess:

In response to information presented to the Virginia Soil and Water Conservation Board by the Department of Conservation and Recreation Staff, the Board approved the following action:

"The Virginia Soil and Water Conservation Board commends the City of Poquoson County for successfully improving the City's Erosion and Sediment Control Program to become fully consistent with the requirements of the Virginia Erosion and Sediment Control Law and Regulations, thereby providing better protection for Virginia's soil and water resources."

We congratulate the City of Poquoson on this substantial accomplishment and recognize the City's efforts to proactively protect Virginia's soil and water resources through implementation of effective erosion and sediment control.

Sincerely,

Joseph H. Maroon
Director

cc: Karen Holloway, City of Poquoson ESC Program Administrator
Robert Bennett, DCR Tappahannock Regional Manager
Eric R. Capps, DCR Erosion and Sediment Control Program Manager

State Parks • Soil and Water Conservation • Natural Heritage • Outdoor Recreation Planning
Chesapeake Bay Local Assistance • River Safety and Floodplain Management • Land Conservation

BMP 4.2

BMP 4.2c: CDEPA Program finding of Fully Compliant:

BMP 4.2C

VIA E-MAIL**From:** Nancy L. Miller, Principal Environmental Planner, DEQ**To:** Karen Holloway, Environmental Compliance Officer, City of Poquoson**Date:** January 14, 2014**Subject:** City of Poquoson, May 9, 2013 Compliance Evaluation Condition Review

On May 9, 2013 the Virginia Department of Conservation and Recreation Virginia Soil and Water Conservation Board conducted a compliance evaluation condition review of the City of Poquoson's Chesapeake Bay Preservation Act program for consistency with the Chesapeake Bay Preservation Act and Regulations, and the Board found the City's Chesapeake Bay Preservation Act program to be fully compliant.

Attached to this e-mail is an excerpt from the Board minutes, as posted at the Virginia Town Hall website. A full copy of the minutes can be accessed via the link below. As always, if you have any questions or need further assistance, please contact me at 803-445-4435 (cell) or via return e-mail at Nancy.Miller@deq.virginia.gov

http://townhall.virginia.gov/L/GetFile.cfm?File=C:\townhall\docroot\Meeting\116\19508\Minutes_DCR_19508_v3.pdf

4.2

BMP 4.3a Typical Inspection Checklist

Environmental Compliance Inspection Checklist

Project Name and Address: Rubus Run

Date: 5/24/2018

Inspection Time: 10:48

Weather: 77°
Sunny

Project Stage: Siding

Reason for Inspection: ☒ Regular Inspection ☐ Re-Inspection ☐ Complaint

Is the SWPPP on site and posted near the construction entrance? ☒ Yes ☐ No

Are the self-inspections up to date in the SWPPP? ☒ Yes ☐ No Date of Last Inspection: 5/18/18

Item Description	In Compliance at Time of Inspection		
Construction Entrance(s)	☐ Yes	☒ No	☐ N/A
Tracking Off-Site	☐ Yes	☒ No	☐ N/A
Silt Fence	☒ Yes	☒ No	☐ N/A
Inlet Protection	☒ Yes	☐ No	☐ N/A
Tree Protection	☐ Yes	☐ No	☒ N/A
Site Free of Trash/Litter	☒ Yes	☐ No	☐ N/A
Solid Waste Disposal	☒ Yes	☐ No	☐ N/A
Concrete Washout	☒ Yes	☐ No	☐ N/A
Sanitary Facilities	☒ Yes	☐ No	☐ N/A
Stockpile Areas:			
Stabilized	☐ Yes	☒ No	☐ N/A
Protected with Sediment Trapping Measures	☐ Yes	☒ No	☐ N/A
Soil Stabilization	☐ Yes	☐ No	☒ N/A
Dewatering Devices	☐ Yes	☐ No	☒ N/A
Sediment Traps/Basins	☐ Yes	☐ No	☒ N/A
Other:	☐ Yes	☐ No	☒ N/A

The inspection reveals that deficiencies are present as indicated in the above categories. The following actions are required to correct the deficiencies: _____

fix SP, stop using 2nd ce. Add stone to official ce. Clean street, especially end of Franklin. & clean up concrete wash. Make sure to keep SWPPP up to date.

Inspection Performed By: Karen Holloway/Garrett Feagans

BMP 4.3a TYPICAL INSPECTION PHOTOS HANDOUT



Add stone to construction entrance.



This area is not a construction entrance. Remove dirt pile from concrete and seal off entrance with silt fence.



Clean road in several areas (not sure why Franklin Lane is in such bad shape since there should be no activity in that area).



Fix silt fence in several places

Rubus Run

May 24, 2018, 10:28a.m.

77°, sunny

BMP 4.3.b: INITIAL CONTACT ON S.F. HOME
LOT FOR INADEQUATE E&SC

Ellen Roberts

From: Karen Holloway
Sent: Monday, July 02, 2018 11:19 AM
To: Top and Drop Tree Service, Inc.
Cc: Garrett Feagans; Charles Horton; Ellen Roberts
Subject: RE: 42A Pasture Road
Attachments: Pictures 6.11.18.docx; AGREEMENT IN LIEU OF AN EandS and SW Agreement.doc

Good morning Jamie,

I did want to remind you that the hay bales need to be replaced and make sure that you've repaired the silt fence all the way around to include wrapping or overlapping end sections. We will be doing our regular inspections this week and will let you know of anything else. In the meantime, if you will go ahead and complete the attached land disturbance application we can issue the permit, which will allow you to get back in there and install the swales. The plan is approvable now and we are just waiting for Donald Davis to submit the required copies.

Thanks,
Karen

From: Top and Drop Tree Service, Inc. [<mailto:topanddropinc@gmail.com>]
Sent: Tuesday, June 26, 2018 1:35 PM
To: Karen Holloway
Cc: Garrett Feagans; Charles Horton; Ellen Roberts
Subject: RE: 42A Pasture Road

Hi Karen,

Wanted to update you and let you know that the construction entrance is complete as well as the silt fence. Please let me know if there is anything else.

Thanks and have a great afternoon,

Jamie Price

Top and Drop Tree Service, Inc.
42B Pasture Road
Poquoson VA 23662
757-342-4880 FAX 757-659-0102

From: Karen Holloway [<mailto:Karen.Holloway@poquoson-va.gov>]
Sent: Monday, June 11, 2018 4:18 PM
To: Top and Drop Tree Service, Inc. (topanddropinc@gmail.com) <topanddropinc@gmail.com>
Cc: Garrett Feagans <Garrett.Feagans@poquoson-va.gov>; Charles Horton <Charles.Horton@poquoson-va.gov>

[va.gov](mailto:Ellen.Roberts@poquoson-va.gov)>; Ellen Roberts <Ellen.Roberts@poquoson-va.gov>

Subject: 42A Pasture Road

Jamie,

During today's inspection of 42A Pasture Road several items were noted that need to be addressed (see attached pictures with notes). Please take steps to correct these items as soon as possible to prevent siltation of the nearby waterway during the next storm event.

I have also attached a copy of the latest comment letter that was sent to Donald Davis pertaining to the City's review of the proposed development plan. Once Page 2, Sheet 4, Comment 3 is addressed a land disturbance permit can be issued allowing you to continue with the project. Until then; however, I recommend that a land disturbance permit be obtained for the sole purpose of installing the perimeter swales for positive drainage as per the plan. The reason for this is that there is a potential that larger storm events could impact adjacent properties with runoff from the development property and therefore, installing the drainage system is a priority. I have attached an application to be completed and returned as soon as possible for issuance of the permit. This permit will be revised to allow the remainder of the site work to continue once the development plan is approved.

Please note also, that prior to continued site work a regulation construction entrance will be required with adequately sized stone over a layer of filter cloth per the Virginia Erosion and Sediment Control Handbook.

If you would share this information with your father I would appreciate it, since I do not have an email address for him. Please let me know if you have any questions.

Thanks,

Karen Holloway
Environmental Compliance Officer
City of Poquoson
(757) 868-3040

Ellen Roberts

BMP 4.3.b: Notice To Comply ON Townhouse
DENIAL. E&SC Violations Were Corrected
WITHIN TIME ALLOTTED

From: Karen Holloway
Sent: Friday, June 08, 2018 4:27 PM
To: eyork@ameastern.com
Cc: Randy Wheeler; Wayne Moore; Charles Horton; Ellen Roberts; Garrett Feagans; Kenneth Somerset; Anne Payne; Cheryl Miller; jr@ameastern.com
Subject: Notice to Comply - Rubus Run
Attachments: Notice to Comply - Rubus Run.doc; Inspection Pictures 6.8.18.docx; Silt Fence.pdf; 1.1_Filtrexx_Sediment_Control.pdf

Elliott,

Unfortunately we found the Rubus Run site to be in the same condition today as it was during previous inspections when we advised you of various items that needed attention (see attached pictures). Therefore, we have no choice but to issue the attached Notice to Comply. Please review the notice carefully and call me if you have questions about any of the requirements. We look forward to finding the site in compliance, with all outstanding items addressed, when we perform a follow-up inspection next Friday so that interruption of work will not be necessary.

Karen Holloway
Environmental Compliance Officer
City of Poquoson
(757) 868-3040



CITY OF POQUOSON
Department of Community Development

NOTICE TO COMPLY

Date: June 8, 2018

To: 217 Associates, LTD
Attn: Richard Ashe
632 Hampton Highway
Yorktown, VA 23693

Re: Rubus Run Townhome Development, Firth Lane and Franklin Lane, Poquoson, Virginia 23662

During an inspection of the development site referenced above on Friday, June 8, 2018, the following violations were noted:

1. Silt Fence – Down and/or improperly installed (not trenched) in several locations around the building site as well as the perimeter of the development.
2. Filtrexx – Improperly installed/not effective in keeping silt out of street (Franklin Lane).
3. Tracking – Silt tracked on Firth Lane from unauthorized 2nd construction entrance. Compacted dirt at the end of Franklin Lane remains despite numerous requests for removal.
4. 2nd Construction Entrance – Not authorized per approved plan. An attempt has been made to block the entrance with a dumpster; however, the tire tracks noted in the unblocked section alongside the dumpster show that this area is still open to vehicular access, which has contributed to the tracking on Firth Lane.

Pictures depicting these violations are attached. These are not new comments, as some were noted as far back as February and closure of the 2nd construction entrance was required after the May 24, 2018 inspection. Therefore, be advised that the items listed above must be satisfactorily corrected within five (5) days of the date of this notice (no later than June 15, 2018) at which time a re-inspection will be performed to verify the following compliance:

1. Trench silt fence as shown in the attached silt fence detail and ensure that it is securely attached to the stakes. In the small areas next to the driveways the silt fence should be trenched behind the curb and turned back by at least on length along the side of the driveway. Excess silt fence across the driveways must be removed.
2. Install Filtrexx properly, per the attached specifications, and replace worn areas with new Filtrexx in all disturbed areas not protected by silt fence.
3. Access to the 2nd construction entrance must be completely blocked by installing silt fence at the entrance on each side of the dumpster.
4. Remove silt from streets.
5. Remove compacted dirt from the end of Franklin Lane so that the pavement is completely exposed with no sign of siltation.



CITY OF POQUOSON
Department of Community Development

Please note that the purpose of the construction activity operator inspections that must be conducted and documented in an inspection report every four (4) business days per the terms of the Stormwater Pollution Prevention Plan (SWPPP) is to self-regulate the condition of the site by noting and correcting deficiencies without being reminded by City and/or State inspectors.

Failure to comply with this notice will result in necessary legal enforcement action by the locality. Additionally, please note that further permits will not be issued while the property is noncompliant. If you wish to participate in the re-inspection please contact this department to schedule a time and as always, do not hesitate to contact us if there are any questions.

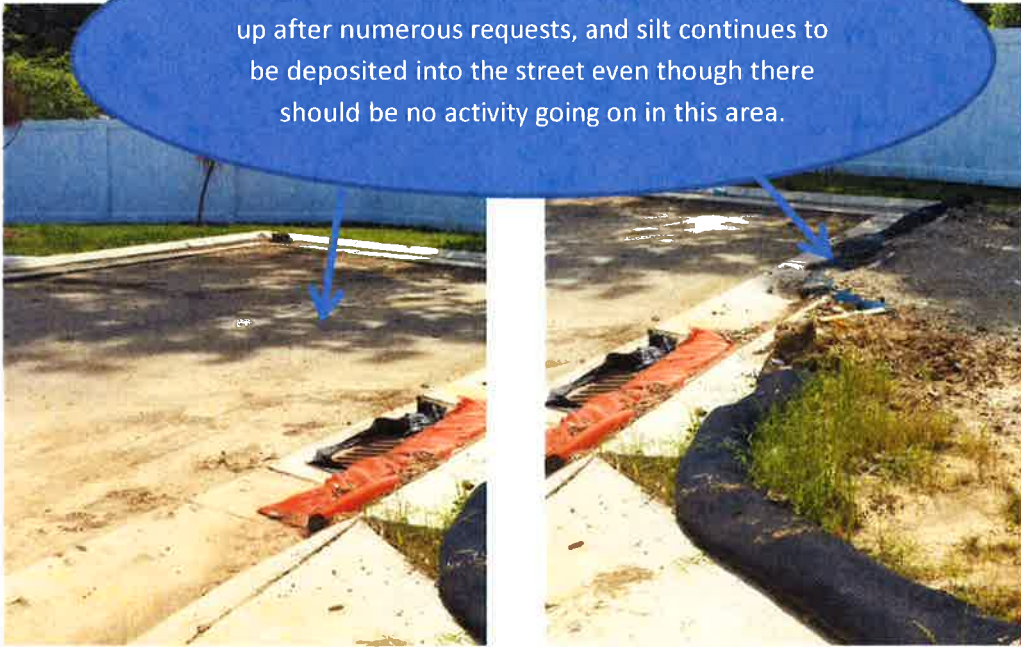
Program Administrator:


(Signature)

Attachments

Copies to: Elliott York, Project Manager
Bernard Noyes, Jr., RLD
City Manager
City Attorney
Community Development Director
City Engineer
Engineer
Building Department
File

The end of Franklin Lane has still not been cleaned up after numerous requests, and silt continues to be deposited into the street even though there should be no activity going on in this area.



2nd construction entrance must be closed off completely as previously requested. Continue line of silt fence towards dumpster on each side to keep traffic out.



Silt fence must be trenched and should be turned back by one length on each side of concrete driveways to totally contain silt. The part extending across the driveways needs to be cut off.



Rubus Run

June 8, 2018

10:49 a.m. 79° sunny

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

DUAL

Combined Administrator

Karen White Holloway

CERTIFICATE NUMBER

DCA0198

EXPIRATION DATE

11/23/2021



This certificate is for your records and should be kept in a safe location. Please detach the above certificate and the two wallet size cards below. It is your responsibility to ensure that your certification is kept current and that you meet the requirements for re-certification before the expiration date.

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

DUAL

Combined Administrator

Karen White Holloway

Certificate Number
DCA0198



Expiration Date
11/23/2021

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

DUAL

Combined Administrator

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Certificate Number
DCA0198



Expiration Date
11/23/2021

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Garrett Jeffrey Feagans

CERTIFICATE NUMBER

SWIN1250

EXPIRATION DATE

3/1/2021



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COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Garrett Jeffrey Feagans

Certificate Number
SWIN1250



Expiration Date
3/1/2021

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Garrett Jeffrey Feagans

Certificate Number
SWIN1250



Expiration Date
3/1/2021

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Inspector

Garrett Jeffrey Feagans

CERTIFICATE NUMBER

ESIN0846

EXPIRATION DATE

2/22/2021



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COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Inspector

Garrett Jeffrey Feagans

Certificate Number
ESIN0846



Expiration Date
2/22/2021

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Inspector

Garrett Jeffrey Feagans

Certificate Number
ESIN0846



Expiration Date
2/22/2021



BMP 4.4

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Plan Reviewer

Anne Marie Payne

CERTIFICATE NUMBER

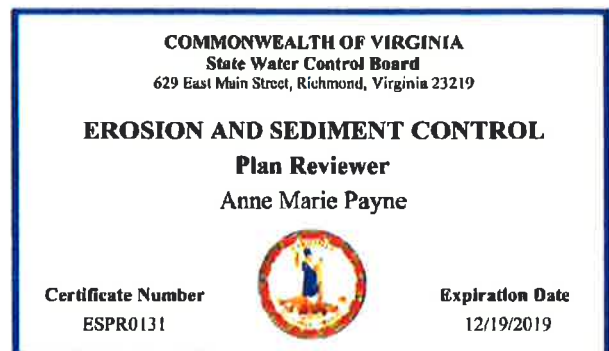
ESPR0131

EXPIRATION DATE

12/19/2019



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BXP 4.4

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Anne Marie Payne

CERTIFICATE NUMBER

SWIN0741

EXPIRATION DATE

5/27/2019



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COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Anne Marie Payne

Certificate Number
SWIN0741



Expiration Date
5/27/2019

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Anne Marie Payne

Certificate Number
SWIN0741



Expiration Date
5/27/2019

BMP 4.4

Certificate of Training



This document certifies

Garrett Feagans

has completed the following:

Plan Reviewer for Erosion and Sediment Control

on 11/9/2017

and is awarded 18 Contact Hours by

THE DEPARTMENT OF ENVIRONMENTAL QUALITY



Certificate of Training



This document certifies
Garrett Feagans

has completed the following:
Plan Reviewer for Stormwater Management

on 4/19/2018

and is awarded 18 Contact Hours by
THE DEPARTMENT OF ENVIRONMENTAL QUALITY



BMP 5: Post Construction Storm Water Management in Development and Redevelopment

Appendix

City of Poquoson Annual Report

VAR# 040024

Permit Year 5 (PY5): July 1, 2017-June 30, 2018

Submitted to DEQ October 1, 2018

5. Post Construction Storm Water Management in New Development and Redevelopment						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
5.1	Address post-construction stormwater runoff from development that enters the MS4					
5.1.a	Applicable oversight requirements	CBPA LD activities < 1 Ac but >2,500 SF; and new development or redevelopment where a more stringent regulatory size threshold than previously indicated.	Stormwater Management Ordinance	SW Program Administrator	Update in PY2	SWM Ordinance Compliant. Ches Bay Preservation Act requirements found in environmental overlay district ordinance, on City website: https://www.municode.com/library/va/poquoson/codes/code_of_ordinances?nodeId=PTIICOOR_APXAZO_ARTXI.IVENMAAREMOVDI
5.1.b	Stormwater Management Ordinance	Implement the stormwater criteria of the Stormwater Management Ordinance for new development and redevelopment, and update ordinance to comply with Section II.B.5 of the General Permit.	Stormwater Management Ordinance	SW Program Administrator	Update in PY2	SWM Ordinance Compliant. UPDATED ORDINANCE ON LINE AT https://www.municode.com/library/va/poquoson/codes/code_of_ordinances?nodeId=PTIICOOR_CH34EN_ARTVS_TMA
5.2	Inspection and O&M Verification for Privately-owned BMPs					
5.2.a	BMP Maintenance Agreements	Require BMP maintenance agreements as directed by the Stormwater Management Ordinance.	# of Agreements & Inspection Schedules	SW Program Administrator	Ongoing	List of Historic BMPs is in the Appendix. A sample BMP maintenance agreement provided to developers for their use is in the appendix. All new BMPs are required to have maintenance agreements. See appendix for list of BMPs, agreement and inspection status, and sample maintenance agreement.

5.2.b	Inspection activities	Conduct BMP site inspections in accordance with written policies and procedures	# of Inspections	SW Program Administrator/ SW Inspector	As designated	Inspection Report Summary; Inspection Procedures	5 inspections of privately owned and maintained BMPs were conducted this year. City is working with older commercial properties and pond owners to establish better inspection protocol (BMPs constructed in early 2000's or 1990s with weak maintenance agreements). Owners are required by maintenance agreements to hire professional to conduct inspections; City inspections conform to requirements of City facility inspection checklists. See appendix.
5.2.c	Enforcement activities	Enforce BMP maintenance responsibilities in accordance with written policies and procedures	# of Reinspections & NOV's	SW Program Administrator/ SW Inspector	As designated	Inspection Report Summary. See appendix.	Compliant. City staff are working with owners of older, privately owned commercial property ponds to establish a regular inspection schedule for those facilities.
5.2.d	Alternative to Maintenance Agreements	Develop and implement alternative strategies for promoting long-term maintenance of stormwater controls to treat runoff solely from individual residential lots.	Alternative Strategies Protocol	SW Program Administrator & HRPDC	End of PY1	Alternative Strategies	Compliant. City has a highly successful public outreach program to remind the 145 single family BMP owners to inspect and maintain their facilities. See appendix for sample postcard.
5.3	Inspection & Maintenance Schedules for City-Owned BMPs						

5.3.a	Inspection and maintenance	Develop schedules and procedures for regular inspection and maintenance of locally owned stormwater control structures in accordance with SWM regulations.	# of inspections	SW Program Administrator	Annually	Inspection Report Summary; Inspection Procedures. See BMP Historic BMP data in Appendix	Compliant. No City-owned BMPs were due for an inspection this year. Inspection/maintenance procedures provided in appendix. Engineering staff visually inspected the new constructed wetlands and wet pond BMPs near City Hall (completed in PY4), and additional plantings and aeration were installed at the constructed wetlands.
5.4	Program Plan Requirements						
5.4.a	Roles and responsibilities	Identify the roles and responsibilities for each department, division, and subdivision in implementing Section II of General Permit, also include the written agreement for any other entities implementing parts of the Program Plan	List of roles and responsibilities, written agreement	SW Program Administrator	As needed	List of roles and responsibilities ; Written agreement(s)	Compliant. Roles and responsibilities are listed on Compliance status and program plan spreadsheets. Poquoson hired a new engineer this permit year, and a temporary employee who was performing inspections while the engineering position was vacant moved on to full time employment elsewhere. The engineer assists with or performs e&sc and stormwater inspections. Regional MOA found in appendix under BMP 2.
5.5	Tracking and Reporting						
5.5.a	BMP Tracking	Track all known permanent stormwater management facilities that discharge to the regulated small MS4 and submit the information per General Permit No. VAR040027.	Data as required by Permit (print & spreadsheet/data base)	SW Program Administrator	Annually	BMP Report	Compliant. Data submitted to DEQ in PY3 as part of Historic Data Call effort. Two new privately-owned BMPs came on line this year. Development was very minimal within the City this year. Information is provided in appendix. Historic data BMP Table found in appendix.
5.5.b	New BMP tracking	BMPs brought online within the past year	Database or spreadsheet with new BMP information	SW Program Administrator	Annually	BMP Report	See appendix for data on two new privately owned BMPs.

5.6	Program Plan Updates	Update program plan to meet new general permit requirements.	SW Program Administrator	PY1	compliant. Program plan updated in PY1.
5.7	Evaluation and Assessment	Evaluate and assess progress toward goals	SW Program Administrator	Annually	Compliant. The PY5 retrofit on a HOA pond is the first one in the City and has so far been a smoothly run joint effort between HOA and community. The new Chesapeake Bay TMDL BMPs owned and installed by the City are functioning well and have already been upgraded with enhanced landscaping (public participation volunteer event) and aeration. More public participation is planned and City has applied for a grant for a volunteer event.

City of Poquoson Historic BMP Data
On Maintenance Agreements, Inspections and Maintenance Work

BMP 5.2

*Name	Installed	BMP Name	Total Acres Treated	Inspect Date 1	Inspect Date 2	Inspect Date 3	Inspect Date 4	Inspect Date 5	Inspect Date 6	Inspection Notes	Maint 1	Maint 2
Bayside	7/1/1998	Wet Pond	13.415	2/20/1988	12/21/1990					No maintenance agreement requiring inspections; owner responsible for self inspections & maintenance.		
EXPRESS LUBE/ADVANCE AUTO	11/5/1999	Wet Pond	1.570	9/30/2002	3/22/2010	5/5/2010	12/7/2012	Due 12/7/17			Spillway was repaired and debris removed from pond 7/1/12 (prior to December 2012 inspection).	Weeds removed; pond vegetation planted in accordance with design requirements
KFC/TACO BELL/PIZZA HUT	7/1/2003	Wet Pond	1.295	9/28/2001	4/2/2002	4/22/2013	Due 4/22/18				April 1, 2012 pond restoration to design plans: Pond was cleaned out with excess soil and debris removed; new vegetation planted.	
LANGLEY FCU	7/1/1998	Wet Pond	1.620	5/15/1998	7/16/2015	Due 7/16/20				No maintenance agreement requiring inspections; owner responsible for self inspections & maintenance.		
LAWSON PARK	7/1/2009	Wet Pond	16.379	7/1/2013	6/1/2015	Due 6/1/20				City inspects.	Pond expanded and sediment forebay added 7/1/09.	June 13, 2011: fountain installed to aerate pond;

City of Poquoson Historic BMP Data
On Maintenance Agreements, Inspections and Maintenance Work

McDONALD S	7/1/1995	Wet Pond	1.032	9/25/1995	7/15/2004	7/16/2015	Due 6/16/20			Pond is in plain view of citizens and staff and is "inspected" regularly. Pond was formally inspected in 2015.	October 1995 through April 1996: Pond redesigned and converted from an infiltration basin to a wet pond following infiltration pond failure.	July 1, 2014: debris removed; algae issue resolved
POQUOSON COMMONS #1	7/1/2000	Wet Pond	6.030	7/16/2015	Due 7/16/20					No maintenance agreement requiring inspections; owner responsible for self inspections & maintenance.		
POQUOSON COMMONS #2	7/1/2000	Dry Detention Ponds	4.000	7/16/2015	Due 7/16/20					No maintenance agreement requiring inspections; owner responsible for self inspections & maintenance.		
RITE AID	7/1/2000	Dry Detention Ponds	1.400	7/16/2015	Due 7/16/20					No maintenance agreement requiring inspections; owner responsible for self inspections & maintenance.		
POQUOSON FIRE STATION 2	7/1/2001	Dry Detention Ponds	0.750	7/1/2004	7/1/2008	7/9/2015	Due 7/9/20			City inspects.		
POQUOSON FIRE STATION 2 (2)	7/1/2001	Dry Detention Ponds	0.390	7/1/2004	7/1/2008	7/9/2015	Due 7/9/20			City inspects.		

City of Poquoson Historic BMP Data
On Maintenance Agreements, Inspections and Maintenance Work

Poquoson- Place-Apts	7/1/1986	Wet Pond	18.076								No maintenance agreement requiring inspections; owner responsible for self inspections & maintenance.		
Townvillas- South- Homes- Assoc.	7/1/1987	Wet Pond	9.938								No maintenance agreement requiring inspections; owner responsible for self inspections & maintenance.		
VDOT Pond	7/1/1998	Wet Pond	4.807	10/18/2011	10/18/2016						City inspects.		
White- House-Cove- Marina	11/10/2011	Filtering Practices	0.052	7/29/2011	10/17/2011	3/19/2012					Under maintenance agreement with Manufacturer who inspects.		
WHITE HOUSE COVE RESORT HOMES CLYDEDA	10/22/2014	Filtering Practices	0.340	11/12/2014	Due 11/12/19						Unknown maintenance 7/1/14, 7/1/15		
WHITE HOUSE COVE RESORT HOMES CLYDEDA	10/22/2014	Filtering Practices	0.120	11/12/2014	Due 11/12/19						Unknown maintenance 7/1/14, 7/1/15		

City of Poquoson Historic BMP Data
On Maintenance Agreements, Inspections and Maintenance Work

WYTHE CREEK MINI STORAGE	7/1/2004	Wet Pond	4.756	11/9/2004	9/5/2006	10/12/2006	7/16/2015	Due 7/16/20			Pond was cleaned out, expanded and graded to design plans in August- September 2006.	
BENNETT CREEK POINT	11/22/1996	Wet Pond	5.482	7/1/2005	8/1/2007	3/1/2008	5/5/2011	5/22/2014	Due 5/22/19		Pond was surveyed & inspected in August 2007. Pond was re- graded to achieve design conditions and re-inspected in March 2008.	
BULL RUN	10/28/1998	Dry Pond	10.663	7/1/1998	7/1/2004	7/23/2004	7/1/2007	Due 7/1/12		2012 & 2018 letters sent by City for new inspection. HOA Contact Sharon Bochman, 212 Darden Drive, 868- 4120. Ms. Bochman advised on 8/24/18 that Darnell is preparing to begin. Emailed him a BMP inspection form.	Pond re-graded, outfall modified in 2007 to achieve design conditions.	
CHANNELW ALK	1/22/1999	Wet Pond	7.922	5/1/2008	5/1/2010	12/5/2013	Due 12/5/18			2018 letter sent by City for new inspection		

City of Poquoson Historic BMP Data
On Maintenance Agreements, Inspections and Maintenance Work

GARDEN ATRIUMS	2/6/2003	Wet Pond	3.115	4/1/2005	7/1/2005	5/16/2018	Due 5/16/23				Spillway was modified to perform as designed following the April 2005 inspection. July 2005 inspection confirmed pond was operating correctly.	
HERITAGE COVE POND 1	2/5/1996	Wet Pond	56.664	7/1/1998	7/1/2003	7/1/2009	10/17/2011	6/29/2018	Due 7/1/2023	Obtained wetlands permit to retrofit pond in 2016. Re-grading of pond and repair of dam and emergency spillway is still in progress in 2018. Vince Pascual, HOA President, 23 Emmaus Road, vpascual@cox.net	Routine maintenance by HOA has been ongoing (7/1/11, 7/1/12, 7/1/13, 7/1/14, 7/1/15). Pond repair work has been scheduled for near future (fall 2015) to repair an eroded outfall and embankment. As part of effort, pond will be re-excavated to perform at design conditions.	
HERITAGE COVE POND 2	2/5/1996	Wet Pond	13.449	7/1/1998	7/1/2003	7/1/2009	10/17/2011	6/29/2018	Due 7/1/2023	Notice sent 3/28/18 for all 3 Heritage Cove BMPs		
HERITAGE COVE SHALLOW MARSH	2/5/1996	Constructed Wetland	2.257	7/1/1998	7/1/2003	7/1/2009	10/17/2011	6/29/2018	DUE 7/1/2023			
HOLLYS	5/16/2000	Wet Pond	7.540	6/1/2006	11/19/2012	6/4/2018	Due 6/4/2023					

City of Poquoson Historic BMP Data
On Maintenance Agreements, Inspections and Maintenance Work

HUNTS COVE	8/13/2002	Wet Pond	9.388	7/26/2004	3/6/2006	8/12/2009	12/1/2012	Due 12/1/17	HOA notified on 6/7/18 & all homeowners notified on 8/21/18. Todd Ritter, HOA Pres, asked for and received emailed list of qualified individuals/companies 8/27/18.	Repairs to downstream dam, outfall and tidal check valve completed in December 2012 to restore design performance.	
HUNTS NECK ESTATES	2/2/2006	Wet Pond	16.460	5/1/2006	6/10/2010	10/31/2012	4/24/2018	Due 4/24/23			
ISLAND COVE	6/21/2007	Wet Pond	5.695	7/1/2007	6/10/2010	4/30/2012	8/15/2018	Due 8/15/23			
LAKES AT POQUOSON	9/7/2005	Wet Pond	27.244	7/1/2005	6/20/2011	1/7/2014	3/4/2014	Due 3/4/19			
LAWSON FARMS	3/20/2001	Wet Pond	21.500	7/1/2004	7/1/2006	7/1/2010	7/1/2013	Due 7/1/18	City inspects.	Pond deepened and re-graded 7/1/05.	
LYONS LANDING	9/23/2005	Wet Pond	5.964	6/1/2005	4/1/2006	10/1/2008	3/29/2011	9/13/2013	Reminder mailed 4/18/18	Routine maintenance by HOA is ongoing (7/1/11, 7/1/12, 7/1/13, 7/1/14, 7/1/15).	
PHILLIPS POINT COVE	12/19/2001	Wet Pond	14.200	7/1/2001	9/1/2006	7/16/2015	Due 7/30/23			Outfall upgraded October 2001	
RIVER'S EDGE	12/3/2007	Wet Pond	11.701	10/25/2012	8/1/2013	10/28/2013	3/1/2014	7/14/2014	Reminder mailed 4/18/18	September 2013: Eroded areas stabilized; sediment removed from pond; pond restored to design conditions.	

City of Poquoson Historic BMP Data
On Maintenance Agreements, Inspections and Maintenance Work

VILLAS PHASE 1	11/8/2005	Wet Pond	6.147	9/11/2012	6/24/2009	10/3/2006	7/22/2005	4/16/2018	Due 4/16/23		
VILLAS PHASE 1(2)	11/8/2005	Wet Pond	7.618	9/11/2012	6/24/2009	4/16/2018	Due 4/16/23				
VILLAS PHASE 2	7/1/2008	Urban Infiltration	4.130	7/16/2015	9/11/2012	4/16/2018	Due 4/16/23				
CREATED WETLAND	7/1/2015	Construct ed Wetland	20.440	4/4/2018	Due 4/4/23						
WET POND	7/1/2015	Wet Pond	7.110	4/4/2018	Due 4/4/23						
POQUOSON BAPTIST CHURCH	9/8/2005	Wet Pond	2.485	9/8/2005	Due 9/8/10					No agreement	
MASONIC LODGE	7/1/2009	Dry Extended Detention Ponds	0.848	7/13/2015	4/10/2009	Due 4/10/14				No agreement	

BMPs 5.2, 5.3 ~~5.4~~

BMP 5.3a: Inspections and Maintenance Procedures for City-owned Stormwater Facilities: SOP's for the Fire Station Dry Ponds and the Wythe Creek Road [VDOT] pond were added this year. These facilities were added to the City's list of BMPs during the DEQ Historic Data Call.

South Lawson Park Retention Pond Operations and Maintenance Plan

The South Lawson Park stormwater pond was designed and constructed for existing and future development at South Lawson Park, providing both flood control in a low-lying, flood-prone part of the City, and water quality treatment.

Daily Operations

City staff working near the pond should routinely watch for

- unusually high water levels that might indicate outlet clogging;
- vandalism or damage to the structure;
- erosion;
- debris;
- muskrat, groundhog or other animal-caused damage; or
- other conditions that might impact the pond's flood control and water quality treatment performance.

Any observed deficiencies should be reported to Public Works.

Swimming, boating and other access to the pond is strictly prohibited. Any Poquoson staff member observing unauthorized people trespassing into the pond should promptly call the Poquoson Police Department.

Mosquito breeding and resultant mosquito-borne illnesses are a major concern within the City of Poquoson. Any complaints should be forwarded to the Mosquito Control and Drainage Supervisor as soon as possible.

Inlet and Outfall Channels

Public Works drainage staff members routinely maintain channels and pipes within the City. Any observed erosion, blockages, or other issues should be reported to the Mosquito Control and Drainage Supervisor as soon as possible.

Maintenance

Routine maintenance schedule for South Lawson Park Pond (Source: EPA website, which referenced WML, 1997, augmented by City staff to add specific facility, City requirements)

Activity	Schedule
Inspect for invasive vegetation. This would likely include fragmites and/or woody growth "volunteers" along the side slopes. Remove woody growth promptly; cut fragmites once per year at minimum.	Semi-annual inspection by Parks & Rec Maintenance Staff during routine park maintenance
Inspect for damage. Report vandalism to the	Annual inspection by Parks &

BMP 5.3

police and to the Parks and Recreation Department. As needed, make suggestions to Parks and Rec about public information/monitoring of site during park events to minimize vandalism. Note signs of hydrocarbon build-up, and deal with appropriately. Monitor for sediment accumulation in the facility and forebay. Examine to ensure that inlet and outlet devices are free of debris and operational.	Rec Maintenance Staff during routine park maintenance. Inspection by VA-certified stormwater inspector once every 5 years.
Repair undercut or eroded areas.	As needed maintenance
Clean and remove debris from inlet and outlet structures. Mow side slopes.	Monthly maintenance
Check pipe assembly installed for Fire Department use. (this task is the responsibility of the Fire Department; all other tasks are the responsibility of Public Works)	Annually
Remove sediment from the forebay.	5- to 7-year maintenance
Monitor sediment accumulations, and remove sediment when the pool volume has become reduced significantly or the pond becomes eutrophic.	20-to 50-year maintenance

BMP 5.3

Fire Station Dry Ponds Operations and Maintenance Plan

The fire station dry ponds, located on the north and south side of the parking lot and building, were designed to receive runoff from the fire station site.

Daily Operations

City staff working near the pond should routinely watch for

- unusually high water levels that might indicate outlet clogging;
- vandalism or damage to the structure;
- erosion;
- debris;
- muskrat, groundhog or other animal-caused damage; or
- other conditions that might impact the pond's flood control and water quality treatment performance

Any observed deficiencies should be reported to Public Works.

Mosquito breeding and resultant mosquito-borne illnesses are a major concern within the City of Poquoson. Any complaints should be forwarded to the Mosquito Control and Drainage Supervisor as soon as possible.

Inlet and Outfall Channels

Public Works drainage staff members routinely maintain channels and pipes within the City. Any observed erosion, blockages, or other issues should be reported to the Mosquito Control and Drainage Supervisor as soon as possible.

Routine Maintenance

ACTIVITY	SCHEDULE
Note erosion of pond banks or bottom	Semiannual inspection
Inspect for damage to the embankment	Annual inspection
Monitor for sediment accumulation in the facility	Annual inspection
Examine to ensure that inlet and outlet devices are free of debris and operational	Annual inspection
Repair undercut or eroded areas	Standard maintenance
Mow side slopes	Standard maintenance
Manage pesticide and nutrients	Standard maintenance
Remove litter and debris	Standard maintenance
Seed or sod to restore dead or damaged ground cover	Annual maintenance (as needed)
Monitor sediment accumulations, and remove sediment when the pond volume has been reduced by 25 percent	25- to 50-year maintenance

BMP 5.3

Poquoson Rain Garden Operations and Maintenance Plan

The Poquoson Rain Garden is located directly in front of the Poquoson Public Works office building, and receives runoff from the building and adjacent sidewalk and street. City staff members are encouraged to visually inspect the area as they enter the building, and to report any trash, distressed vegetation, or water standing more than 72 hours to the Public Works Office Manager or Parks Maintenance Supervisor.

Maintain grassed buffer between Public Works building downspouts and rain garden. Buffers filter runoff and help remove soil fines that can "clog" rain garden mulch and reduce the facility's ability to absorb water.

Festivals and Special Events

Temporary fencing should be installed around the rain garden prior to the Annual Poquoson Seafood Festival and other special events so that pedestrians are prevented from entering the facility.

Future Plantings

Choose future plantings to reduce maintenance and enhance rain garden function. Whenever possible, plant the area with native vegetation, or plants that provide habitat value. Select species that can withstand the hydrologic regime they will experience. At the bottom of the bioretention facility, plants that tolerate both wet and dry conditions are preferable. At the edges, which will remain primarily dry, choose more resilient upland species.

Routine Maintenance

Bioretention requires landscaping maintenance, including measures to ensure that the area is functioning properly, as well as maintenance of the landscaping on the practice. In many cases, bioretention areas initially require intense maintenance, but less maintenance is needed over time. In many cases, maintenance tasks can be completed by a landscaping contractor, who may already be hired at the site. Landscaping maintenance requirements can be less resource intensive than with traditional landscaping practices such as elevated landscaped islands in parking areas.

Typical maintenance activities for the Poquoson rain garden are found below. (Source: From EPA website, which references ETA and Biohabitats, 1993. The table was adapted by Poquoson staff to apply to conditions in the Poquoson rain garden.)

Activity	Schedule
Remulch void areas	As needed
Treat diseased trees and shrubs	
Mow turf areas	
Water plants daily for 2 weeks	At project completion & after new planting
Inspect soil and repair eroded areas	Monthly

Remove litter and debris

Remove and replace dead and diseased vegetation

Add mulch
Replace tree stakes and wires

Twice per year

Once per year

BMAP 5.3

WYTHE CREEK ROAD WET POND (A.K.A. THE "VDOT POND") OPERATIONS AND MAINTENANCE PLAN

The VDOT pond was designed to receive runoff from Wythe Creek Road.

Daily Operations

City staff working near the pond should routinely watch for

- unusually high water levels that might indicate outlet clogging;
- vandalism or damage to the structure;
- erosion;
- debris;
- muskrat, groundhog or other animal-caused damage; or
- other conditions that might impact the pond's flood control and water quality treatment performance.

Any observed deficiencies should be reported to Public Works.

Swimming, boating and other access to the pond is strictly prohibited. Any Poquoson staff member observing unauthorized people trespassing into the pond should promptly call the Poquoson Police Department.

Mosquito breeding and resultant mosquito-borne illnesses are a major concern within the City of Poquoson. Any complaints should be forwarded to the Mosquito Control and Drainage Supervisor as soon as possible.

Inlet and Outfall Channels

Public Works drainage staff members routinely maintain channels and pipes within the City. Any observed erosion, blockages, or other issues should be reported to the Mosquito Control and Drainage Supervisor as soon as possible.

BMP 5.3

**Routine Maintenance Schedule for VDOT pond (Source: EPA website, which referenced WML, 1997).
Information has been amended to reflect City- and facility-specific conditions):**

Activity	Schedule
Inspect for invasive vegetation. This would likely include fragmites and/or woody growth. Volunteers along the side slopes. Remove woody growth promptly, but fragmites once per year at minimum.	Semi-annual inspection by Parks & Rec Maintenance Staff during routine park maintenance.
Inspect for damage. Report vandalism to the police and to the Parks and Recreation Department. As needed, make suggestions to Parks and Rec about public information/monitoring of site during park events to minimize vandalism. Note signs of hydrocarbon build-up, and deal with appropriately. Monitor for sediment accumulation in the facility and forebay. Examine to ensure that inlet and outlet devices are free of debris and operational.	Annual inspection by Parks & Rec Maintenance Staff during routine park maintenance. Inspection by VA-certified stormwater inspector once every 5 years.
Repair undercut or eroded areas.	As needed maintenance
Clean and remove debris from inlet and outlet structures. Mow side slopes.	Monthly maintenance
Check pipe assembly installed for Fire Department use (this task is the responsibility of the Fire Department; all other tasks are the responsibility of Public Works).	Annually
Remove sediment from the forebay.	5- to 7-year maintenance
Monitor sediment accumulations, and remove sediment when the pool volume has become reduced significantly or the pond becomes eutrophic.	20-to 50-year maintenance

Note: Pond location makes it vulnerable to littering. Maintenance crews should be vigilant as they pass pond between inspections to ensure debris is not accumulating at facility.

BMP 5.3

Wet Pond Operations and Maintenance Plan

Vegetation Establishment Period: August 24, 2016 to August 23, 2017

During this establishment period, wetlands bench plantings are under warranty and will be monitored and replaced as needed by the Contractor. City staff duties:

Monitor the Contractor's activities to ensure that the warranty is being honored.

- Time period: 12 months after substantial completion
- Frequency: Monthly visual inspection during growing season; bimonthly during winter
- Staff members: Engineering
- Follow up: provide information to contractor on distressed/dead vegetation and/or deficiencies in bird netting (if required).

Evaluate the effectiveness of the types of wetlands plants used.

- Time Period: In spring, after the start of growing season (end of March/April)
- Frequency: Annually
- Staff members: Public Works, Engineering
- Follow up: Create projects for fall planting of new varieties of plants
- Evaluation topics:
 - Do plants in general appear healthy?
 - During the growing season, do they appear to be growing and spreading?
 - Are they blooming at the appropriate time?
 - If not, are there better plant choices? Refer to Virginia BMP Clearinghouse Specification for Constructed Wetlands, Table 13.4.
- City personnel (Public Works) shall reseed grass/maintain good ground cover during establishment period.

Surrounding Site Activities:

Other site features will be maintained per the permanent O&M plan (attached).

BMP 5.3

Inspections and Ongoing Maintenance

Routine Visual Inspections: City Public Work and Engineering staff members will visually inspect the facility during routine (monthly or more frequent) maintenance of the adjacent park area; as they drive by the site to go to work, and every time they enter the site:

- Visually monitor sediment accumulation levels in sediment forebay. Sediment levels to be measured during 5-year inspection.
- Following recent rain events, visually inspect turbidity levels in forebay and downstream pool to ascertain if sediment forebay is functional (no seeps; sufficiently low sediment accumulation level to allow for continued settlement in the forebay).
- Monitor plant growth on the BMP aquatic bench. Note the presence of any invasive species/woody growth on steep side slopes.
- Inspect inflow and outfall pipes to ensure adequate flow of water and to ensure there is no erosion around or under the piping.
- Inspect side slopes for erosion, animal burrows, and woody growth or other conditions that would impact slope stability or cause erosion.

Ongoing Maintenance: Public Works staff tasks:

- Perform work annually to trim grass/weeds.
- While performing this work, remove woody growth on side slopes/bottom of facility.
- Prior to removing any potential weed or planting in the aquatic bench, meet with Engineering staff to determine if planting is invasive or provided for water quality. Only remove invasive species.
- Remove trash, debris, and floatables.

Volunteer Projects: The following tasks may be accomplished during volunteer events. City staff must be present for work. Safety measures shall be implemented as applicable to work location and tasks.

- Plant flowers or other foliage about the perimeter of the site. Volunteer coordinator to work with Public Works and Engineering to ensure plantings do not interfere with site maintenance or function.
- Remove debris, trash and floatables from the site. Provide information to volunteers on proper disposal of items and appropriate facilities/equipment.
- Rake leaves and other yard waste from site.
- As needed, with appropriate supervision, plant new wetlands plantings; thin or transplant wetlands plantings located in thickets. Ensure all safety measures are in place and volunteers clearly understand where they may and may not enter; ensure that volunteers do not venture near the permanent wet pool.

BMP 5.3

Non-Routine Maintenance

Sediment Removal from the Sediment Forebay shall be provided once every 5 years or more frequently as needed.

- Timing: Work shall occur during periods of low groundwater.
- Dewatering shall be in accordance with Public Works SOPs.
- Adequate dewatering and disposal sites for excavated spoils shall be determined and be available prior to sediment removal.

Invasive Species Control: Invasive species such as phragmites shall not be allowed to cover more than 15% of the wetland cell area. The site is highly visible from the City Hall complex. Any observation of an invasive species will be reported to Public Works immediately so that its removal can be added to an ongoing maintenance duty list. Extended periods of dewatering shall only be used as a last resort to remove invasive species.

The pond shall be inspected by a certified stormwater inspector/appropriately licensed engineer, surveyor or landscaper once every 5 years.

BMP 5.3

Constructed Wetlands Operations and Maintenance Plan

Vegetation Establishment Period: August 24, 2016 to August 23, 2017

During this establishment period, wetlands plantings are under warranty and will be monitored and replaced as needed by the Contractor. City staff duties:

Monitor the Contractor's activities to ensure that the warranty is being honored.

- Time period: 12 months after substantial completion
- Frequency: Monthly visual inspection during growing season; bimonthly during winter
- Staff members: Engineering
- Follow up: provide information to contractor on distressed/dead vegetation and/or deficiencies in bird netting (if required).

Evaluate the effectiveness of the types of wetlands plants used.

- Time Period: In spring, after the start of growing season (end of March/April)
- Frequency: Annually
- Staff members: Public Works, Engineering
- Follow up: Create projects for fall planting of new varieties of plants
- Evaluation topics:
 - Do plants in general appear healthy?
 - During the growing season, do they appear to be growing and spreading?
 - Are they blooming at the appropriate time?
 - If not, are there better plant choices? Refer to Virginia BMP Clearinghouse Specification for Constructed Wetlands, Table 13.4.

Monitor the perimeter landscaping: Contractor is also responsible for maintaining the bushes located about the perimeter. Staff's role is to monitor these perimeter plantings to ensure the warranty is being honored.

- Time period: 12 months after construction completion.
- Frequency: Bimonthly
- Staff members: Public works or Engineering staff
- Follow up: Notify contractor regarding distressed/dead vegetation.

City personnel (Public Works) shall reseed grass/maintain good ground cover during establishment period.

Other site features will be maintained per the permanent O&M plan (attached)

BMP 5.3

Inspections and Ongoing Maintenance

Annual Inspections: City Inspection or Engineering Staff member will inspect the facility at least once a year. Inspection items include:

- Monitor sediment accumulation levels in sediment forebay and in the two micropools located in the main body of the wetland. Visually monitor every year; take measurement every 5 years.
- Monitor plant growth within the BMP. Note the presence of any invasive species/woody growth on steep side slopes. Annually.
- Inspect low flow pipe/trash racks to ensure adequate flow of water. Annually.
- Inspect articulated concrete block overflow to ensure that voids in concrete block are filled with soil and plants are establishing. Annually.
- Inspect side slopes for erosion, animal burrows, and woody growth or other conditions that would impact slope stability or cause erosion. Annually.

Ongoing Maintenance: Public Works staff tasks:

- Perform work annually to trim grass/weeds so that flow in channel is not inhibited.
- While performing this work, remove woody growth on side slopes/bottom of facility.
- Prior to removing any potential weed or planting in created wetland area, meet with Engineering staff to determine if planting is invasive or provided for water quality. Only remove invasive species.
- Remove trash, debris, and floatables.

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- Plant flowers or other foliage about the perimeter of the site. Volunteer coordinator to work with Public Works and Engineering to ensure plantings do not interfere with site maintenance or function.
- Remove debris, trash and floatables from the site. Provide information to volunteers on proper disposal of items and appropriate facilities/equipment.
- Rake leaves and other yard waste from site.
- As needed, with appropriate supervision, plant new wetlands plantings; thin or transplant wetlands plantings located in thickets. Ensure all safety measures are in place and volunteers clearly understand where they may and may not enter; ensure the locations of micropools and other safety hazards are clearly delineated.

BMP 5.3

Non-Routine Maintenance

Sediment Removal from the Sediment Forebay shall be provided once every 5 years or more frequently as needed.

- Timing: Work shall occur during periods of low groundwater.
- Dewatering shall be in accordance with Public Works SOPs.
- Adequate dewatering and disposal sites for excavated spoils shall be determined and be available prior to sediment removal.

Invasive Species Control: Invasive species such as phragmites shall not be allowed to cover more than 15% of the wetland cell area. The site is highly visible from Victory Boulevard. Any observation of an invasive species will be reported to Public Works immediately so that its removal can be added to an ongoing maintenance duty list. Extended periods of dewatering shall only be used as a last resort to remove invasive species.

BMP 5.3

Wet Pond Operations and Maintenance Plan

Vegetation Establishment Period: August 24, 2016 to August 23, 2017

During this establishment period, wetlands bench plantings are under warranty and will be monitored and replaced as needed by the Contractor. City staff duties:

Monitor the Contractor's activities to ensure that the warranty is being honored.

- **Time period:** 12 months after substantial completion
- **Frequency:** Monthly visual inspection during growing season; bimonthly during winter
- **Staff members:** Engineering
- **Follow up:** provide information to contractor on distressed/dead vegetation and/or deficiencies in bird netting (if required).

Evaluate the effectiveness of the types of wetlands plants used.

- **Time Period:** In spring, after the start of growing season (end of March/April)
- **Frequency:** Annually
- **Staff members:** Public Works, Engineering
- **Follow up:** Create projects for fall planting of new varieties of plants
- **Evaluation topics:**
 - Do plants in general appear healthy?
 - During the growing season, do they appear to be growing and spreading?
 - Are they blooming at the appropriate time?
 - If not, are there better plant choices? Refer to Virginia BMP Clearinghouse Specification for Constructed Wetlands, Table 13.4.
- City personnel (Public Works) shall reseed grass/maintain good ground cover during establishment period.

Surrounding Site Activities:

Other site features will be maintained per the permanent O&M plan (attached).

BMP 5.3

Inspections and Ongoing Maintenance

Routine Visual Inspections: City Public Work and Engineering staff members will visually inspect the facility during routine (monthly or more frequent) maintenance of the adjacent park area; as they drive by the site to go to work, and every time they enter the site:

- Visually monitor sediment accumulation levels in sediment forebay. Sediment levels to be measured during 5-year inspection.
- Following recent rain events, visually inspect turbidity levels in forebay and downstream pool to ascertain if sediment forebay is functional (no seeps; sufficiently low sediment accumulation level to allow for continued settlement in the forebay).
- Monitor plant growth on the BMP aquatic bench. Note the presence of any invasive species/woody growth on steep side slopes.
- Inspect inflow and outfall pipes to ensure adequate flow of water and to ensure there is no erosion around or under the piping.
- Inspect side slopes for erosion, animal burrows, and woody growth or other conditions that would impact slope stability or cause erosion.

Ongoing Maintenance: Public Works staff tasks:

- Perform work annually to trim grass/weeds.
- While performing this work, remove woody growth on side slopes/bottom of facility.
- Prior to removing any potential weed or planting in the aquatic bench, meet with Engineering staff to determine if planting is invasive or provided for water quality. Only remove invasive species.
- Remove trash, debris, and floatables.

Volunteer Projects: The following tasks may be accomplished during volunteer events. City staff must be present for work. Safety measures shall be implemented as applicable to work location and tasks.

- Plant flowers or other foliage about the perimeter of the site. Volunteer coordinator to work with Public Works and Engineering to ensure plantings do not interfere with site maintenance or function.
- Remove debris, trash and floatables from the site. Provide information to volunteers on proper disposal of items and appropriate facilities/equipment.
- Rake leaves and other yard waste from site.
- As needed, with appropriate supervision, plant new wetlands plantings; thin or transplant wetlands plantings located in thickets. Ensure all safety measures are in place and volunteers clearly understand where they may and may not enter; ensure that volunteers do not venture near the permanent wet pool.

BMP 5.3

Non-Routine Maintenance

Sediment Removal from the Sediment Forebay shall be provided once every 5 years or more frequently as needed.

- Timing: Work shall occur during periods of low groundwater.
- Dewatering shall be in accordance with Public Works SOPs.
- Adequate dewatering and disposal sites for excavated spoils shall be determined and be available prior to sediment removal.

Invasive Species Control: Invasive species such as phragmites shall not be allowed to cover more than 15% of the wetland cell area. The site is highly visible from the City Hall complex. Any observation of an invasive species will be reported to Public Works immediately so that its removal can be added to an ongoing maintenance duty list. Extended periods of dewatering shall only be used as a last resort to remove invasive species.

The pond shall be inspected by a certified stormwater inspector/appropriately licensed engineer, surveyor or landscaper once every 5 years.

BMP 5.3

Constructed Wetlands Operations and Maintenance Plan

Vegetation Establishment Period: August 24, 2016 to August 23, 2017

During this establishment period, wetlands plantings are under warranty and will be monitored and replaced as needed by the Contractor. City staff duties:

Monitor the Contractor's activities to ensure that the warranty is being honored.

- **Time period:** 12 months after substantial completion
- **Frequency:** Monthly visual inspection during growing season; bimonthly during winter
- **Staff members:** Engineering
- **Follow up:** provide information to contractor on distressed/dead vegetation and/or deficiencies in bird netting (if required).

Evaluate the effectiveness of the types of wetlands plants used.

- **Time Period:** In spring, after the start of growing season (end of March/April)
- **Frequency:** Annually
- **Staff members:** Public Works, Engineering
- **Follow up:** Create projects for fall planting of new varieties of plants
- **Evaluation topics:**
 - Do plants in general appear healthy?
 - During the growing season, do they appear to be growing and spreading?
 - Are they blooming at the appropriate time?
 - If not, are there better plant choices? Refer to Virginia BMP Clearinghouse Specification for Constructed Wetlands, Table 13.4.

Monitor the perimeter landscaping: Contractor is also responsible for maintaining the bushes located about the perimeter. Staff's role is to monitor these perimeter plantings to ensure the warranty is being honored.

- **Time period:** 12 months after construction completion.
- **Frequency:** Bimonthly
- **Staff members:** Public works or Engineering staff
- **Follow up:** Notify contractor regarding distressed/dead vegetation.

City personnel (Public Works) shall reseed grass/maintain good ground cover during establishment period.

Other site features will be maintained per the permanent O&M plan (attached).

BMP 5.3

Inspections and Ongoing Maintenance

Annual Inspections: City Inspection or Engineering Staff member will inspect the facility at least once a year. Inspection items include:

- Monitor sediment accumulation levels in sediment forebay and in the two micropools located in the main body of the wetland. Visually monitor every year; take measurement every 5 years.
- Monitor plant growth within the BMP. Note the presence of any invasive species/woody growth on steep side slopes. Annually.
- Inspect low flow pipe/trash racks to ensure adequate flow of water. Annually.
- Inspect articulated concrete block overflow to ensure that voids in concrete block are filled with soil and plants are establishing. Annually.
- Inspect side slopes for erosion, animal burrows, and woody growth or other conditions that would impact slope stability or cause erosion. Annually.

Ongoing Maintenance: Public Works staff tasks:

- Perform work annually to trim grass/weeds so that flow in channel is not inhibited.
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- As needed, with appropriate supervision, plant new wetlands plantings; thin or transplant wetlands plantings located in thickets. Ensure all safety measures are in place and volunteers clearly understand where they may and may not enter; ensure the locations of micropools and other safety hazards are clearly delineated.

BMP 5.3

Non-Routine Maintenance

Sediment Removal from the Sediment Forebay shall be provided once ever 5 years or more frequently as needed.

- Timing: Work shall occur during periods of low groundwater.
- Dewatering shall be in accordance with Public Works SOPs.
- Adequate dewatering and disposal sites for excavated spoils shall be determined and be available prior to sediment removal.

Invasive Species Control: Invasive species such as phragmites shall not be allowed to cover more than 15% of the wetland cell area. The site is highly visible from Victory Boulevard. Any observation of an invasive species will be reported to Public Works immediately so that its removal can be added to an ongoing maintenance duty list. Extended periods of dewatering shall only be used as a last resort to remove invasive species.

BMP 5.3

BMP 5.2.d: Promotion Program for Long Term Maintenance of Residential Lot BMPs

The City Environmental Compliance Officer sends the following postcard to approximately 145 owners of individual-lot BMPs. The postcards are sent once a year and the mailing coincides with Earth Day.

City of Poquoson

Reminder



As a property owner who has received permission to develop within the 100-foot Resource Protection Area (RPA) buffer you are reminded of the water quality features you installed to offset impacts to the buffer. Now that spring has arrived please take this time to inspect your water quality features and repair or replace items as needed to ensure that they continue to provide the water quality intended. It is our goal to protect our waterways for future generations and your cooperation will help us to achieve that goal.



Please contact us at the Community Development Department if you have any questions.

500 City Hall Avenue
Poquoson, VA 23662
Phone: 757-868-3040



CITY OF POQUOSON

SWMF Maintenance Agreement – for Storm and Surface Water Facility and System Maintenance

The SWMF/BMP Maintenance Agreement for Storm and Surface Water Facility and System Maintenance shall be completed and recorded by the Clerk of Circuit Court in York County prior to the approval of any or Stormwater Management Facility (SWMF/BMP) in conjunction with any commercial site development approval being granted by the City of Poquoson. The document should be recorded against the developer or owner's chain of title prior to the release of the approved plan. In that manner, the agreement would run with the land and against any subsequent purchaser.

SWMF/BMP Maintenance Agreement for Commercial Sites for Storm Water and Surface Water Facility and System Maintenance

THIS SWMF/BMP MAINTENANCE AGREEMENT made this _____ day of _____, 20____, by _____ and _____ between _____, a Virginia corporation, Grantor, and the City of Poquoson, Virginia Grantee hereinafter referred to as the "City".

WITNESSETH:

WHEREAS, the City is authorized and required to regulate and control the disposition of storm and surface waters within the Storm Management District of the City of Poquoson as set forth in the City of Poquoson ordinances; and

WHEREAS, the Grantor is the owner of a certain tract or parcel of land more particularly described as:

ALL THOSE certain lots, pieces or parcels of land, together with buildings and improvements thereon, and the appurtenances thereunto belonging, lying, situate and being in the City of Poquoson, Virginia as shown on Sheets _____ through _____ of the plat entitled _____ dated _____, _____, which plat is duly recorded in the Clerk's Office of the Circuit Court of York County in Deed Book of Plat Book _____ at page _____ reference to which plat in hereby made for a more particular description thereof.

IT being the same property conveyed unto the Grantor herein by deed dated _____ from _____ and recorded in the Clerk's office aforesaid in

Deed Book _____ at Page _____ such property being hereinafter referred to as “the property”; and

WHEREAS, the Grantor desires to construct certain improvements on the property which will alter existing storm and surface water conditions on both the property and adjacent lands; and

WHEREAS, in order to accommodate and regulate these anticipated changes in existing storm and surface water flow conditions, the Grantor, its heirs and assigns desire to build and maintain at their expense a storm and surface water management facility and system more particularly described and shown on plans titled _____ and dated _____; and

WHEREAS, the City has reviewed and approved these plans subject to the execution of this agreement.

NOW THEREFORE, in consideration of the benefit received by the Grantor, its heirs and assigns, as a result of the City’s approval of its plans, the Grantor, its heirs and assigns, with full authority to execute deeds, deeds of trust, other covenants, and all rights, title and interest in the property described above hereby covenant with the City as follows:

1. Grantor, its heirs and assigns shall construct and perpetually maintain, at its sole expense, the above referenced storm and surface management facility and system in strict accordance with the plan approval granted by the City.
2. Grantor, its heirs and assigns shall, at its sole expense, make such changes or modifications to the storm drainage facility and system as may, in the City’s discretion, be determined necessary to insure that the facility and system is properly maintained and continues to operate as designed and approved.
3. The City, its agents, employees and contractors shall have perpetual right of ingress and egress over the property of the Grantor, its heir and assigns and the right to inspect, at reasonable times and in a reasonable manner, the storm and surface water facility and system in order to insure that the system is being properly maintained and is continuing to perform in an adequate manner.
4. The City, its agents, employees and contractors shall have perpetual right of ingress and egress over any portion of an easement, right-of-way and the property of the Grantor, its heir and assigns for purposes of construction, installation, maintenance, and repair of the storm and surface water facility and system as may, in the City’s discretion, be determined necessary to insure that the facility and system is properly maintained and continues to operate as designed and approved.
5. The Grantor, its heirs and assigns agree that should it fail to correct any defects in the above described facility and system within ten (10) days from issuance of written notice, or shall fail to maintain the facility in accordance with the approved design standards and

in accordance with the law and applicable regulations or, in the event of an emergency as determined by the City in its sole discretion the City is authorized to enter the property to make all repairs, and perform all maintenance, construction and reconstruction the City deems necessary. The City shall then assess the Grantor, its heirs or assigns for the cost of the work, both direct and indirect, and applicable penalties. Said agreement shall be a lien against all properties described within this SWMF/BMP Maintenance Agreement and may be placed on the property tax bills of said and collected as ordinary taxes by the City.

6. Grantor, its heirs and assigns shall indemnify, save harmless and defend the City from and against any and all claims, demands, suit liabilities, losses, damages and payments, including attorney fees claimed or made against the City that are alleged or proven to result or arise from the Grantor, its heirs and Covenant.
7. The Covenants contained herein shall run with the land and the Grantor. Its heirs and assigns further agree whenever the property shall be held, sold and conveyed, it shall be subject to the covenants, stipulations, agreements, and provisions of the Agreement, which shall apply to, bind and be obligatory upon the Grantor hereto, its heirs, successors and assigns and shall bind all present and subsequent owners of the property described herein.
8. Grantor should not be able to transfer or assign responsibility.
9. The provisions of the SWMF/BMP Maintenance Agreement shall be severable and if any phase, clause, sentence or provision is declared unconstitutional, of the applicability thereof to the Grantor, its heirs and assigns is held invalid, the remainder of the Covenant shall not be affected thereby.
10. The SWMF/BMP Maintenance Agreement shall be recorded at the Clerk's Office of the Circuit Court of York County, Virginia at the Grantor, its heirs and assign's expense.
11. In the event that the City shall determine at its sole discretion at any future time that the facility is no longer required, then the City shall request of the Grantor, its heirs and assigns execute a release of the SWMF/BMP Maintenance Agreement, which the Grantor, its heirs and assigns shall record, in the Clerk's Office at its expense.
12. Maintenance to Best Management Practice (BMP) components is to be performed on a regular basis as needed, with visual inspections by the owner performed at minimum every 12 months for ponds and every six (6) months for bioretention or created wetland facilities. The owner shall keep records of their inspections and provide them to the City or Virginia Department of Environmental Quality (DEQ) personnel upon request. In addition, inspections by a professional engineering firm are to be performed for the facility with a written report submitted to the City of Poquoson each year for the first five (5) years. If, after five (5) years, the BMP components appear to be functioning as designed, inspections will be performed by a professional engineering firm and written inspection reports submitted to the City of Poquoson every five (5) years.

13. The owner shall be responsible for taking any corrective actions determined to be necessary by the inspections within a reasonable time frame. The owner shall provide the City with a timeline for completing the work. Major improvements including but not limited to dredging, reconstruction of dams, or reconstruction of the facility should be accomplished within 24 months of the inspection. Minor improvements such as grass establishment should be accomplished within 6 months. Grass cutting, trash removal, removal of woody growth and other routine yard maintenance items should be accomplished with 30 days.

IN WITNESS WHEREOF, the Grantor has executed this SWMF/BMP Maintenance Agreement as the _____ day of _____, 20____.

By Officer/Authorized

STATE OF _____

CITY OF _____, to wit:

The foregoing instrument was acknowledged before me this _____ day of _____, 20____, by _____

Notary Public

My Commission Expires: _____

BMP 5.5

Data Reporting Entity: (Grantee)	City of Poquoson, Virginia																		
Localit(ies) Represented:	City of Poquoson, Virginia	Locality Contact: (Name, Phone #, E-mail)	(757)-868-3040	Ellen.Roberts@poquosonva.gov															
*Name		Practice Description BMP Name	Total Acres Treated	Practice Treatment Area OR Amount Applied Impervious Acres Treated	County Name	State FIPS	HUC12	Practice Location Latitude	Longitude	Practice Inspection Date	Practice Maintenance Maint Date 1								
Victory Cove BMP #2	2/26/2019	Wet Pond	5.10	1.82	Poquoson	51735	020801080101	37.139900	76.410200	2/26/2018									
Victory Cove BMP #1	2/26/2019	Wet Pond	5.90	2.81	Poquoson	51735	020801080101	37.140100	76.406200	2/26/2018									

BMP 6: Good Housekeeping

Appendix

City of Poquoson Annual Report

VAR# 040024

Permit Year 5 (PY5): July 1, 2017-June 30, 2018

Submitted to DEQ October 1, 2018

Updated MS4 Program Plan July 1, 2013-June 30, 2018
City of Poquoson, VA VAR 040024

6. Pollution Prevention/Good Housekeeping for Municipal Operations							PY 5 Status: See Appendix and weblinks for associated documents	
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents		
6.1	Operations and Maintenance Activities							
6.1.a	Plans and Procedures	Continue to implement and update plans describing spill prevention and control and pollution prevention procedures for municipal facilities specifically to prevent illicit discharges	SOP(s)/ O&M Plan	SW Program Administrator/ EMS Team	Continuously	SOPs/ O&M Plan. See annual reports permit years 1, 2 & 3; SWPPP in annual report PY4 on City's environmental website. SOP's were submitted in previous year annual reports and incorporated into facility SWPPP in PY4. Additional training on SWPPP was completed in PY 5; implementation began in PY 4 and continues in PY5.	Compliant. SOP's are online in annual reports PY 1, 2 & 3. In 2016-2017, PY4, SOP's were incorporated into facility SWPPP and are in the plan's appendix. These annual reports are available for viewing at https://www.ci.poquoson.va.us/278/Environmental-Information . The SWPPP is also available at the Public Works Yard office. The SWPPP is found on page 278 of the 2016-2017 annual report appendix; the SOP's are found in appendix sections for BMP 6 in previous annual reports.	
6.1.b	Waste Disposal	Continue to implement and update procedures for proper waste disposal, including yard waste	SOP(s)/ O&M Plan	SW Program Administrator/ EMS Team	Continuously	SOPs/ O&M Plan. See annual reports permit years 1, 2 & 3; SWPPP in annual report PY4 on City's environmental website. SOP's were submitted in previous year annual reports and incorporated into facility SWPPP in PY4.	Compliant. SOP's are online in annual reports PY 1, 2 & 3. In 2016-2017, PY4, SOP's were incorporated into facility SWPPP and are in the plan's appendix. These annual reports are available for viewing at https://www.ci.poquoson.va.us/278/Environmental-Information . The SWPPP is also available at the Public Works Yard office. The SWPPP is found on page 278 of the 2016-2017 annual report appendix; the SOP's are found in appendix sections for BMP 6 in previous annual reports.	
6.1.c	Manage Municipal Vehicle Wash Water	Develop and implement procedures to prevent the discharge of municipal vehicle wash water into the MS4 without a separate VPDES permit	Procedures	Operations Personnel	Continuously	SOPs/ O&M Plan. See annual reports permit years 1, 2 & 3; SWPPP in annual report PY4 on City's environmental website. SOP's were submitted in previous year annual reports and incorporated into facility SWPPP in PY4.	Compliant. SOP's are online in annual reports PY 1, 2 & 3. In 2016-2017, PY4, SOP's were incorporated into facility SWPPP and are in the plan's appendix. These annual reports are available for viewing at https://www.ci.poquoson.va.us/278/Environmental-Information . The SWPPP is also available at the Public Works Yard office. The SWPPP is found on page 278 of the 2016-2017 annual report appendix; the SOP's are found in appendix sections for BMP 6 in previous annual reports.	

Updated MS4 Program Plan July 1, 2013-June 30, 2018
City of Poquoson, VA VAR 040024

6. Pollution Prevention/Good Housekeeping for Municipal Operations						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
						PY 5 Status: See Appendix and weblinks for associated documents
6.1.d	Manage Wastewater	Prevent the discharge of wastewater to MS4 without a separate VPDES permit	# overflows	Department of Utilities	Continuously	SOPs/ O&M Plan. See SOP's and SWPPP at referenced weblink. Information on SSO's and the City's maintenance program for sewers is found in Appendix under BMP 3: Illicit Discharge Detection and Elimination Compliant. There were no Sanitary Sewer Overflows reported in permit year 5. Information on system maintenance actions is found in BMP 3 information. SOP's for staff members working on the sewer system are online in annual reports PY 1, 2 & 3 . In 2016-2017, PY4, SOP's were incorporated into facility SWPPP and are in the plan's appendix. These annual reports are available for viewing at https://www.ci.poquoson.va.us/278/Environmental-Information. The SWPPP is also available at the Public Works Yard office. The SWPPP is found on page 278 of the 2016-2017 annual report appendix; the SOP's are found in appendix sections for BMP 6 in previous annual reports.
6.1.e	Stormwater System Maintenance BMPs	Require BMPs when discharging water pumped from utility construction and maintenance activities	BMPs Used	Operations Personnel	Continuously	Compliant. SOP's are online in annual reports PY 1, 2 & 3 . In 2016-2017, PY4, SOP's were incorporated into facility SWPPP and are in the plan's appendix. These annual reports are available for viewing at https://www.ci.poquoson.va.us/278/Environmental-Information. The SWPPP is also available at the Public Works Yard office. The SWPPP is found on page 278 of the 2016-2017 annual report appendix; the SOP's are found in appendix sections for BMP 6 in previous annual reports. SOPs/ O&M Plan. See weblinks.

Updated MS4 Program Plan July 1, 2013-June 30, 2018
City of Poquoson, VA VAR 040024

6. Pollution Prevention/Good Housekeeping for Municipal Operations						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
						PY 5 Status: See Appendix and weblinks for associated documents
6.1.f	Bulk Storage BMPs	Require BMPs for bulk storage areas (salt storage, top soil stockpiles)	BMPs Used	Operations Personnel	Continuously	Compliant. The bulk storage facility was improved in PY3 following staff attendance of an EPA workshop. Information on these improvements are found in the PY3 annual report and include improved push walls/barriers. SOP's are online in annual reports PY 1, 2 & 3. In 2016-2017, PY4, SOP's were incorporated into facility SWPPP and are in the plan's appendix. These annual reports are available for viewing at https://www.ci.poquoson.va.us/278/Environmental-Information . The SWPPP is also available at the Public Works Yard office. The SWPPP is found on page 278 of the 2016-2017 annual report appendix; the SOP's are found in appendix sections for BMP 6 in previous annual reports.
6.1.g	Manage Leaking Municipally-owned Leaking Vehicles	Prevent the discharge of pollutants to the MS4	BMPs Used	Operations Personnel	Continuously	Compliant. SOP's are online in annual reports PY 1, 2 & 3. In 2016-2017, PY4, SOP's were incorporated into facility SWPPP and are in the plan's appendix. These annual reports are available for viewing at https://www.ci.poquoson.va.us/278/Environmental-Information . The SWPPP is also available at the Public Works Yard office. The SWPPP is found on page 278 of the 2016-2017 annual report appendix; the SOP's are found in appendix sections for BMP 6 in previous annual reports.

Updated MS4 Program Plan July 1, 2013-June 30, 2018
City of Poquoson, VA VAR 040024

6. Pollution Prevention/Good Housekeeping for Municipal Operations						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
						PY 5 Status: See Appendix and weblinks for associated documents
6.1.h	Manage Fertilizers and Pesticides	Implement procedures to ensure materials are applied in accordance with manufacturer's recommendations	Procedures	Operations Personnel	Continuously	SOPs/ O&M Plan. Certifications are in the appendix .
						Compliant. three staff members updated their pesticide applicator certificates this permit year. These are in the appendix. SOP's are online in annual reports PY 1, 2 & 3. In 2016-2017, PY4, SOP's were incorporated into facility SWPPP and are in the plan's appendix. These annual reports are available for viewing at https://www.ci.poquoson.va.us/278/Environmental-Information . The SWPPP is also available at the Public Works Yard office. The SWPPP is found on page 278 of the 2016-2017 annual report appendix; the SOP's are found in appendix sections for BMP 6 in previous annual reports.
6.2	Storm Water Pollution Prevention Plans (SWPPP)					
6.2.1	High-priority facilities	Identify municipal high-priority facilities that have the potential to discharge stormwater pollutants	# & type of high-priority facility	SW Program Administrator	End of PY1	List of high-priority facilities found in PY1 report on City website: http://www.ci.poquoson.va.us/278/Environmental-Information and in the Appendix.
						Compliant. City has one high priority facility: a public works yard that houses all Public Works, garage, and Utilities personnel. This year the City's only fuel tank, a dual fuel, above ground large storage tank was replaced with a new tank after a leak was discovered at the divide between gasoline and diesel compartments. No spills occurred as the leak was internal to the tank. The City fueling station was closed for several months, and City vehicles used York County fueling stations. The new tank was tested and put in service in August 2018.

Updated MS4 Program Plan July 1, 2013-June 30, 2018
City of Poquoson, VA VAR 040024

6. Pollution Prevention/Good Housekeeping for Municipal Operations						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
						PY 5 Status: See Appendix and weblinks for associated documents
6.2.2	SWPPP development & Implementation	Develop and Implement SWPPPs for identified high-priority facilities	SWPPP	SW Program Administrator	PY4	SWPPP in appendix of PY 4 annual report at https://www.ci.poquoson.va.us/278/Environmental-Information , beginning on p. 279 of the third section of the 2016-2017 DEQ submittal.
6.3	Nutrient Management Plans					Compliant. The SWPPP has been developed and implemented. Public Works, utilities, parks and rec maintenance and garage staff members were involved in the writing and implementing of the SWPPP to ensure the document would be implemented successfully. They continue to use forms and SOP's, upgrading as necessary. Additional training on SWPPP procedures was conducted for all Public Works, Utilities and other maintenance personnel on March 20, 2018. Sign in sheets for the training are in the appendix.
6.3.a	NMP Locations	Identify locations of municipally owned properties where nutrient management plans can be performed	Number of sites & area	SW Program Administrator & Landscape Division	End of PY1	List of managed turf sites > 1 Ac.
6.3.b	NMP development & implementation	Develop and Implement NMPs for identified turf and landscape (15% by PY2, 40% by PY3; 75% by PY4; & 100% by PY5)	% of identified area under NMP	SW Program Administrator & Landscape Division	PY2 - PY5	List of NMP Covered Sites and NMP worksheet in Appendix.
6.3.c	NMP Tracking	Track the total acreage of lands where turf and landscape NMPs are required and implemented	Acreage required & Acreage implemented	SW Program Administrator & Landscape Division	Annually	Compliant. Identified sites are either managed according to the NMP or are not fertilized at all. Plan is in appendix
6.3.d	Deicing agents	Operator shall not apply deicing agents containing urea or other forms of nitrogen or phosphorus to parking lots, roadways, and sidewalks, or other paved surfaces	Statement of non-use of nutrient containing deicing agents	SW Program Administrator	Annually	Compliant: Operator shall not apply deicing agents containing urea or other forms of nitrogen or phosphorus to parking lots, roadways, and sidewalks, or other paved surfaces
6.4	Employee Education & Training					

6. Pollution Prevention/Good Housekeeping for Municipal Operations							PY 5 Status: See Appendix and weblinks for associated documents
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	
6.4.a	IDDE Training for field personnel	Provide training to field personnel in the recognition of illicit discharges	# of training sessions / # Employees trained	EMS Team	Biennial	Attendance list in Appendix. Note that PY 4 training met permit requirements for 5-year permit period; this training session was in addition to permit-required sessions.	Compliant. Training held this year for all public works, utilities and engineering staff. This training included the Rain Check video and also included informal on the facility SWPPP. All full time employees were required to attend unless they were sick that day. The training supplemented staff involvement in developing the SWPPP. This was intended to provide a good understanding and successful implementation of the SWPPP requirements. Note: City staff is small. Consolidated training provided to all personnel at one time.
6.4.b	Streets & parking lot maintenance training	Provide training to Streets & Landscape Divisions for road, street & parking lot maintenance	# of training sessions / # Employees trained	EMS Team	Biennial	Attendance list in Appendix. Note that PY 4 training met permit requirements for 5-year permit period; this training session was in addition to permit-required sessions.	Compliant. Training held in house this year for all public works and utilities staff.
6.4.c	Public Works Facilities training	Provide training to PW personnel on good housekeeping and pollution prevention practices	# of training sessions / # Employees trained	EMS Team	Biennial	Attendance list in Appendix. Note that PY 4 training met permit requirements for 5-year permit period; this training session was in addition to permit-required sessions.	Compliant. Training held this year for all public works, utilities and engineering staff. 23 employees received training. In addition, staff was involved in developing the SWPPP so that they would have a good understanding of its requirements and successfully implement the plan. Public works employees also attend OSHA hazardous waste training on a rotating basis. 5 public works and utilities employees attended this year.
6.4.d	Pesticides & herbicide certifications	Maintain certifications and training for pesticide and herbicide applicators in accordance with Virginia Pesticide Control Act	Certifications obtained	SW Program Administrator	Continuously	Certifications in appendix p. 217 - 222	Compliant. See appendix for certifications.

Updated MS4 Program Plan July 1, 2013-June 30, 2018
City of Poquoson, VA VAR 040024

6. Pollution Prevention/Good Housekeeping for Municipal Operations						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
						PY 5 Status: See Appendix and weblinks for associated documents
6.4.e	E&SC & SWM Training	Ensure that plan reviewers, inspectors, and program administrators obtain the appropriate certifications as required under the Erosion and Sediment Control Law	Certifications obtained	E&SC Program Administrator	Continuously	See certifications in appendix. Compliant. The Environmental Compliance Officer holds the dual combined Administrator certification for stormwater and erosion and sediment control programs. The engineer received erosion and sediment control and stormwater inspector certifications. The City Inspector is also certified to conduct erosion and sediment control inspections. A building inspector is also certified in erosion and sediment control inspections and plan reviews, and in stormwater inspections. See appendix.
6.4.f	Parks and Recreation employee training	Provide training to P&R personnel on good housekeeping and pollution prevention practices	# of training sessions / # Employees trained	EMS Team	Biennial	Attendance list in Appendix. Note that PY 4 training met permit requirements for 5-year permit period; this training session was in addition to permit-required sessions. Compliant. Training held this year for all public works, utilities, parks and rec maintenance and engineering staff. In addition, staff was involved in developing the SWPPP so that they would have a good understanding of its requirements and successfully implement the plan.
6.4.g	Emergency Response employee training	Provide training and certification in spill response to emergency response employees	Certifications obtained	Haz-Mat officer	PY1	See appendix p. 329 - 330 for Fire Dept.; see appendix p. 332-333 for ongoing hazardous waste training for other staff members that was conducted this year. Compliant. All fire dept. personnel must have HazMat handling/spill response certification when hired. See appendix. Each member completed 6 hours of training for a total of 150 hours. Fire Department personnel also participated in DEQ-sponsored regional training for hazardous waste spills in marine environments. See appendix.
6.5	Tracking					
6.5.a	Training Needs Assessment	Determine any educational needs for employees and develop appropriate training and/or materials.	Training assessment	HRPDC & Phase II Stormwater Committee	1X per permit cycle	Training Plan in appendix p.334. Compliant. Plan developed in PY1. See Appendix.

Updated MS4 Program Plan July 1, 2013-June 30, 2018
City of Poquoson, VA VAR 040024

6. Pollution Prevention/Good Housekeeping for Municipal Operations						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
6.5.b	Training Schedule	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 Stormwater Phase II Subcommittee.	Training Schedule	HRPDC & EMS Team	Annually	See training plan in appendix and summary of regional cooperation (BMP 2) in appendix.
6.5.c	Training Materials	Distribute pollution prevention educational materials developed through the HRPDC/ askHRgreen.org to municipal employees engaging in operations with a high risk of discharging pollutants into the MS4.	# of items distributed	HRPDC & EMS Team	Annually	E-newsletter, training materials
6.5.d	Contractor Training	Participate in the development of at least one regional contractor training session during the life of the permit.	Training session	HRPDC & Phase II Stormwater Committee	Once per permit cycle	Training sessions and evaluation forms. See Py3 annual report.
6.6	Update Program Plan	Update Pollution Prevention/Good Housekeeping for Municipal Operations plan as necessary to maintain compliance with the permit effective on July 1, 2013		SW Program Administrator, EMS Team & HRPDC	As scheduled in permit	

PY 5 Status: See Appendix and weblinks for associated documents

Compliant. The regional training plan is found in the appendix.

Compliant. This year's information focused on upgraded operations at Public Works yard (discussed with all employees in yard). Brochures and canvas tote bags are always available in Public Works building. Information was distributed to employees at training; SWPPP s also made available at the main office to employees.

Compliant. Training session held in PY3.

Compliant. PY1 activity.

Updated MS4 Program Plan July 1, 2013-June 30, 2018
City of Poquoson, VA VAR 040024

6. Pollution Prevention/Good Housekeeping for Municipal Operations						
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents
6.7	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section II E of General Permit VAR040027	SW Program Administrator/E MS Team	Annually	Annual report
						Compliant. City's Public Works yard and operations continue to improve annually because of staff's engagement in the good housekeeping Stormwater Pollution Prevention Plan development.

VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

P O BOX 1163, RICHMOND VA 23218-1163

PESTICIDE APPLICATOR CERTIFICATE

BMP 6.1.h

4.6.4

Issued

05/09/2017

Expires

06/30/2019

REGISTERED TECH

FOR BL# 12950

Fee Paid

EXEMPT

Certificate

124744-T



Issued in accordance with application duly executed by the person shown below who has agreed to comply with all applicable laws, rules and regulations

DANIEL J REEDER
CITY OF POQUOSON
500 CITY HALL AVENUE
POQUOSON, VA 23662-1996



Sandra J. Adams
Commissioner

Liza J. Fleeson
Authorized Representative

VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

P O BOX 1163, RICHMOND VA 23218-1163

PESTICIDE APPLICATOR CERTIFICATE

Issued

05/09/2017

Expires

06/30/2019

REGISTERED TECH

FOR BL# 6745

Fee Paid

EXEMPT

Certificate

93001-T



Issued in accordance with application duly executed by the person shown below who has agreed to comply with all applicable laws, rules and regulations

AARON M MC DANIEL
CITY OF POQUOSON PUBLIC WORKS
500 CITY HALL AVE
POQUOSON, VA 23662



Sandra J. Adams
Commissioner

Liza J. Fleeson
Authorized Representative

VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
P O BOX 1163, RICHMOND VA 23218-1163

PESTICIDE APPLICATOR CERTIFICATE

Issued
05/09/2017

REGISTERED TECH
FOR BL# 6745

Fee Paid
EXEMPT

Certificate
91937-T

Expires
06/30/2019



Issued in accordance with application duly executed by the person shown below who has agreed to comply with all applicable laws, rules and regulations

NOEL HERNANDEZ
CITY OF POQUOSON PUBLIC WORKS
500 CITY HALL AVE
POQUOSON, VA 23662



Sandra J. Adams
Commissioner

Liza J. Fleeson
Authorized Representative

BMP 6.2.1:

**Identify municipal high-priority facilities that have the potential to discharge
stormwater pollutants**

The City of Poquoson has a centralized facility that maintains all City vehicles and consolidates Public Works/Department of Utilities/Parks Maintenance offices and facilities. This is the only location in the City that stores construction materials, dispenses fuel, and heavy equipment, and therefore is the only city property with high priority for preventing the discharge of pollutants. The City does not operate its own solid waste disposal, water treatment, or wastewater treatment facilities.

Tax Map # 19-01-00-0210

Lat: 37° 07' 42.03"N Lon: 76° 22' 12.54"W

HUC CB-21

BMP 6.2.2: TRAINING ON SWPP & PROCEDURES
TO REDUCE/ELIMINATE ILLICIT DISCHARGES DURING
STAFF MAINTENANCE ACTIVITIES

Poquoson Public Works - Safety Training Program

Safety Topic	Instructor	Date
Rain Check - Training for MS4's	OVD - 1	3-20-18

Employees Attending

- 1 Jerry B. Bern
- 2 Murray Wilson
- 3 Milton Wiggins
- 4 Annie Windock
- 5 Matthew Zup
- 6 Daniel Zup
- 7 Mark Lacks
- 8 LC Montgomery
- 9 Tom Edman
- 10 Bradley Wilkins
- 11 Sean [unclear]
- 12 Mark D. [unclear]
- 13 [unclear]
- 14 [unclear]
- 15 [unclear]
- 16 [unclear]
- 17 [unclear]
- 18 Scott [unclear]
- 19 Chris Jensen

- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27

BMP's 6.2.2 & 6.4

Poquoson Public Works - Safety Training Program

Safety Topic	Instructor	Date
Storm water Pollution Prevention SWPP	DVD	3-20-19

Employees Attending

- 1 Daniel Reader
- 2 Matthew Hays
- 3 Jamie Winder
- 4 Milton Wiggs
- 5 ~~Wendy Nelson~~
- 6 Jay R. Burr
- 7 Mark Sacks
- 8 ~~DC Montgomery~~
- 9 Tom Edman
- 10 Bradley Wilkins
- 11 ~~Sammy~~
- 12 ~~Mark D. Darr~~
- 13 ~~Not attending~~
- 14 ~~Jeffrey Hark~~
- 15 ~~Jeffrey~~
- 16 ~~Scott~~
- 17 ~~John~~
- 18 ~~Scott~~

19

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BMP 6.3a: City Properties Required to Use Nutrient Management Plans by PY5:

The City of Poquoson does not fertilize its school sites. The City Hall site, listed in the PY1 annual report, has been removed from this list because it only has 0.56 acres of turf. Only two other City properties have contiguous managed turf areas of one acre or more:

South Lawson Park:

- Tax Map # 27-10-00-0006; 21-01-00-0141; 21-01-00-0136
- Lat: 37° 07' 23.79"N; Long: 76° 20' 44.60"W
- HUC CB21
- 1.42 contiguous acres turf
- 16.21 acres total acreage

Baseball complex at 17 Park Street (covered by NMP):

- Tax Map # 210-01-00-0025
- Lat: 37° 07' 48.08" N; Long: 76° 21' 35.95"W
- HUC CB22
- 5.05 acres turf
- 9.60 acres total site acreage

TruGreen Newport News

Nutrient Application Worksheet Warm Season Grass

Please **Submit Electronically** by February 15, 2013 to:

J. Derik Cataldi
Urban Nutrient Management Specialist
Phone: 804-786-1798
Email: Derik.Cataldi@dcv.virginia.gov

WQA ID Number: 147

Program Type: Warm Season Turf

Month	Analysis	Rate per 1,000 sq. ft.	Percent Slow Release N	lbs Slow Release N per 1,000 sq. ft.	lbs Fast Release N per 1,000 sq. ft.	Total N
2/1-3/17	0-0-7	3	0	0	0	0
3/18-5/7	17-0-5	7	0	0	7	7
5/8-9/24	19-0-5	4	50	1.5	1.5	3
9/25-11/12	0-0-7	3	0	0	0	0
11/13- 12/31	0-0-62	3	0	0	0	0
			Total	1.5	2.2	3.7

Notes: The 17-0-5 is a liquid fertilizer.

BMP 6.3

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

DUAL

Combined Administrator

Karen White Holloway

CERTIFICATE NUMBER

DCA0198

EXPIRATION DATE

11/23/2021



This certificate is for your records and should be kept in a safe location. Please detach the above certificate and the two wallet size cards below. It is your responsibility to ensure that your certification is kept current and that you meet the requirements for re-certification before the expiration date.

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

DUAL

Combined Administrator

Karen White Holloway

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11/23/2021

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

DUAL

Combined Administrator

Karen White Holloway

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Expiration Date
11/23/2021

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Garrett Jeffrey Feagans

CERTIFICATE NUMBER

SWIN1250

EXPIRATION DATE

3/1/2021



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COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Garrett Jeffrey Feagans

Certificate Number
SWIN1250



Expiration Date
3/1/2021

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Garrett Jeffrey Feagans

Certificate Number
SWIN1250



Expiration Date
3/1/2021

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Inspector

Garrett Jeffrey Feagans

CERTIFICATE NUMBER

ESIN0846

EXPIRATION DATE

2/22/2021



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COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Inspector

Garrett Jeffrey Feagans

Certificate Number
ESIN0846



Expiration Date
2/22/2021

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Inspector

Garrett Jeffrey Feagans

Certificate Number
ESIN0846



Expiration Date
2/22/2021

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Inspector

Anne Marie Payne

CERTIFICATE NUMBER

ESIN0392

EXPIRATION DATE

4/18/2019



BMP 4.4

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Plan Reviewer

Anne Marie Payne



CERTIFICATE NUMBER

ESPR0131

EXPIRATION DATE

12/19/2019



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COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Plan Reviewer

Anne Marie Payne

Certificate Number
ESPR0131



Expiration Date
12/19/2019

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

EROSION AND SEDIMENT CONTROL

Plan Reviewer

Anne Marie Payne

Certificate Number
ESPR0131



Expiration Date
12/19/2019

BWP 4.4

COMMONWEALTH OF VIRGINIA

State Water Control Board

629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Anne Marie Payne

CERTIFICATE NUMBER

SWIN0741

EXPIRATION DATE

5/27/2019



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COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Anne Marie Payne

Certificate Number
SWIN0741



Expiration Date
5/27/2019

COMMONWEALTH OF VIRGINIA
State Water Control Board
629 East Main Street, Richmond, Virginia 23219

STORMWATER MANAGEMENT

Inspector

Anne Marie Payne

Certificate Number
SWIN0741



Expiration Date
5/27/2019

BMP 4.4

Certificate of Training



This document certifies
Garrett Feagans

has completed the following:
Plan Reviewer for Erosion and Sediment Control

on 11/9/2017

and is awarded 18 Contact Hours by
THE DEPARTMENT OF ENVIRONMENTAL QUALITY



Certificate of Training



This document certifies

Garrett Feagans

has completed the following:

Plan Reviewer for Stormwater Management

on 4/19/2018

and is awarded 18 Contact Hours by

THE DEPARTMENT OF ENVIRONMENTAL QUALITY



BMP 6.4g HAZ-MAT Refresher TRAINING

Attendee Full Name	Activity/Training Start Date	Attendee Hours Attended
Template Name: Annual Haz-Mat Refresher		
Corey Archer	10/23/2017	4.00
Vernon Bryan	10/23/2017	4.00
Thomas Cannella	10/23/2017	4.00
David Dixon	10/23/2017	4.00
Charles Downey	10/23/2017	4.00
John Ferrara	10/23/2017	4.00
Jessica Firth	10/23/2017	4.00
Darryll Griffiths	10/23/2017	4.00
Robert Murianka	10/23/2017	4.00
Owen Smith	10/23/2017	4.00
Corey Archer	10/25/2017	4.00
Vernon Bryan	10/25/2017	4.00
Thomas Cannella	10/25/2017	4.00
David Dixon	10/25/2017	4.00
Charles Downey	10/25/2017	4.00
John Ferrara	10/25/2017	4.00
Jessica Firth	10/25/2017	4.00
Darryll Griffiths	10/25/2017	4.00
Robert Murianka	10/25/2017	4.00
Owen Smith	10/25/2017	4.00
Joseph Breeden	10/26/2017	4.00
Harold Cooke	10/26/2017	4.00
Charles Dryden	10/26/2017	4.00
Joseph Insley	10/26/2017	4.00
Steven Katona	10/26/2017	4.00
Natalie Marshall	10/26/2017	4.00
Duane McFarland	10/26/2017	4.00
Eric Peterson	10/26/2017	4.00
Chris Tantillo	10/26/2017	4.00
Joseph Breeden	10/28/2017	4.00
Harold Cooke	10/28/2017	4.00
Charles Dryden	10/28/2017	4.00
Joseph Insley	10/28/2017	4.00
Steven Katona	10/28/2017	4.00
Natalie Marshall	10/28/2017	4.00
Duane McFarland	10/28/2017	4.00
Eric Peterson	10/28/2017	4.00
Chris Tantillo	10/28/2017	4.00
Clay Cooper	10/29/2017	4.00
Jonathon Deel	10/29/2017	4.00
Thomas Diggs	10/29/2017	4.00
Darlene Harris	10/29/2017	4.00
Justin Hurst	10/29/2017	4.00
Steven Katona	10/29/2017	4.00
John Paul Linton	10/29/2017	4.00
Robert Murianka	10/29/2017	4.00
John Young	10/29/2017	4.00
Clay Cooper	10/31/2017	4.00
Jonathon Deel	10/31/2017	4.00
Thomas Diggs	10/31/2017	4.00
Darlene Harris	10/31/2017	4.00
Justin Hurst	10/31/2017	4.00
Steven Katona	10/31/2017	4.00

Attendee Full Name		Activity/Training Start Date	Attendee Hours Attended
John Paul Linton	10/31/2017	4.00	Total: 224
Robert Murianka	10/31/2017	4.00	
John Young	10/31/2017	4.00	
Total: 224			
Report Criteria			
Activity/Training Start Date: Is Between 7/1/2017 and 6/30/2018			
Template Name: Contains Any Haz-Mat			

BMP 6.5.b

Regional Stormwater Training Plan

Training Priorities:

- 1) IDDE – Public Works, fire department, parks and rec PY 2 & PY 4
- 2) Street and Parking Lot maintenance PY 2 & PY 4
- 3) Pollution Prevention Maintenance and Public Works Yards PY 2 & PY 4

Training Strategy/Schedule

HRPDC will create and maintain a Regional Training Library of physical and online videos and other training materials by December 31, 2014.

Localities will create monthly opportunities for necessary staff to attend 30 min-1 hr education sessions on priority topics.

A Regional Training on Pollution Prevention will be held once per permit cycle.

A Regional Training on Construction/E and S will be held once per permit cycle.

BMP 6.4 & 6.5

BMP SC: TMDL Special Conditions

Appendix

City of Poquoson Annual Report

VAR# 040024

Permit Year 5 (PY5): July 1, 2017-June 30, 2018

Submitted to DEQ October 1, 2018

Updated MS4 Program Plan July 1, 2013 - June 30, 2018
City of Poquoson VAR 040024

TMDL Special Conditions							PY4 Status
BMP	BMP Description	Measurable Goals	Metric	Responsible Party	Timeline	Associated Documents	
SC-1	TMDL						
SC-1a	Develop Chesapeake Bay TMDL Action Plan	Develop a TMDL Action Plan consistent with the Virginia Ph I and II WIPs to meet the Level 2 (L2) reductions of pollutants of concern (POC)	TMDL Action Plan	SW Program Administrator	End of PY2	TMDL Action Plan and DEQ approval letter available on City website environmental info page: http://www.ci.poquoson.va.us/278/Environmental-Information	Compliant. Action plan submitted in accordance with permit requirements; revised per DEQ comments and approved by DEQ on February 8, 2016. A copy of the approval letter was provided with the PY3 annual report. Poquoson prepared and submitted a draft action plan for the next phase of the MS4 permit along with the City's registration statement at the end of PY5 in accordance with DEQ requirements. Draft plan is under DEQ review.
SC-1b	Implement Chesapeake Bay TMDL Action Plan	Implement the TMDL Action Plan to meet 5% of the Level 2 (L2) reductions of pollutants of concern (POC) by the end of the permit cycle.	Per TMDL Action Plan	SW Program Administrator	End of PY5	TMDL Action Plan and DEQ approval letter available on City website environmental info page: http://www.ci.poquoson.va.us/278/Environmental-Information	Compliant. City completed actions listed in Bay TMDL Action Plan in PY4. The new BMPs called for in the plan (wet pond and constructed wetland) were completed and operational in PY4. City further enhanced the wetlands by providing more plantings and solar operated aerators to minimize algae growth. City exceeds 5% goal. In PY5, TWO (2) additional septic tanks were taken off line, emptied, filled with sand. Homes are now connected to sanitary sewer. Properties were at 85 Church Street & 173 Smith Street. This resulted in an additional 18,864 lb/yr of TN being removed. Pollution removal calculations are in the appendix.

Updated MS4 Program Plan July 1, 2013 - June 30, 2018
City of Poquoson VAR 040024

SC-2	Local TMDL	Develop and Implement a TMDL Action Plan for the POC(s)	TMDL Action Plan	SW Program Administrator	End of PY3	TMDL Action Plan. See Appendix for letters from DEQ on future wasteload allocations	n/a; No non-Bay TMDL wasteloads were allocated to the Poquoson MS4 prior to the issuance of the permit. Bacterial TMDLs for the Poquoson and Back River were approved by the SWCB and EPA in PY5. Action plans will be due next permit cycle. The City continues to provide educational materials, offer free boat privy pump outs and perform sewer maintenance work to reduce bacterial loads. See appendix for non-migratory goose control program on City property that has significantly reduced waste/bacterial loads at a park.
SC-3	Update Program Plan	Update TMDL Special Conditions plan as necessary to maintain compliance with the permit effective on July 1, 2013	Per Table I of Permit.	SW Program Administrator	As scheduled in permit	Information provided in the cover letter of this annual report; in spreadsheets; and in appendix.	Compliant. No TMDL Action Plan update required. City has completed action plan stated actions and exceeds permit requirements for Bay TMDL. Information on septic tank disconnect and on completed BMPs provided in appendix.
SC-4	Evaluation and Assessment	Evaluate and assess progress towards meeting measurable goals.	In accordance with Section II E of General Permit VAR040027	SW Program Administrator	Annually	Annual report	Compliant. The City has already begun work on bacterial TMDL and has met and exceeded the Chesapeake Bay TMDL Action Plan goals for this permit period. In accordance with new requirements, the City submitted a draft Bay TMDL Action Plan to DEQ in June that addresses required reductions during the next permit cycle.

SC-1

ADDITIONAL TN REDUCTION ACHIEVED IN PY 5 THROUGH SEPTIC TANK CONVERSION TO SEWER CONNECTIONS
City of Pogooson, VA

<u>HOUSEHOLD CONVERTED FROM SEPTIC TO SEWER</u>	<u>TN LOAD REDUCTION in pounds per household per year (DEQ Bay TMDL Action Plan Guidance)</u>	<u>ADDITIONAL TN REDUCTIONS IN PY5 (lb/yr TN)</u>
85 Church Street	9.432	9.432
173 Smith Street	9.432	9.432
<u>TOTAL ADDITION lb/yr TN REDUCTION CREATED IN PY5</u>		<u>18.864</u>

SC-2

Bacterial TMDL approval dates in Permit Year 5: Action Plan will be developed during the next permit cycle in accordance with permit requirements.

Back_Poquoson Rivers TMDLs

Jill Sunderland <jsunderland@hrpdcva.gov>

 You replied to this message on 2/13/2018 9:19 AM.

Sent: Tue 2/13/2018 8:59 AM

To: Brogan, Joseph ; Grist, Joe; Watts, Allison; Surita, Sharon; Ellen Roberts

Cc: Katherine Filippino

Good morning,

Both TMDL modifications have been approved by EPA. The Back River TMDL was approved on 2/9/18, and the Poquoson River and Back Creek TMDL was approved on 2/1/18. I'll let you know when I hear about a timeline for the Implementation Plan(s).

Jill



Jillian C. Sunderland | Water Resources Planner | Hampton Roads Planning District Commission
723 Woodlake Drive | Chesapeake, Virginia 23320 | 757-420-8300 | jsunderland@hrpdcva.gov

All email correspondence to and from this address is subject to the Virginia Freedom of Information Act and to the Virginia Public Records Act, which may result in monitoring and disclosure to third parties, including law enforcement.

SC-2: DEQ CORRESPONDENCE

Ellen Roberts

From: McDowell, Angela (DEQ) <Angela.McDowell@deq.virginia.gov>
Sent: Tuesday, December 01, 2015 1:50 PM
To: Ellen Roberts
Cc: Durant, Joe (jdurant@nnva.gov); Brogan, Joseph (broganj@yorkcounty.gov); Whitney Katchmark; Jill Sunderland (jsunderland@hrpdcva.gov); Hicks, Gayle (ghicks@hampton.gov); Howell, Jennifer (DEQ)
Subject: RE: Phase II MS4 - Local TMDL Reminder and List

Hi Ellen-

My apologies for the language in the body of the email indicating the spreadsheet contained only TMDLs due within this permit cycle, as it does contain TMDLs approved after the issuance of the current MS4 General Permit. If the TMDL report was approved after issuance of the MS4 permit, the submittal of the local Action Plan will be addressed in a future reissuance of the permit.

Regarding your second point, the Water Quality Planning Section will need to answer those questions, so I am forwarding a copy of your message to Jen Howell, TMDL Project Coordinator.

Thank you,

Angela

From: Ellen Roberts [<mailto:Ellen.Roberts@poquoson-va.gov>]
Sent: Monday, November 30, 2015 12:58 PM
To: McDowell, Angela (DEQ)
Cc: Durant, Joe (jdurant@nnva.gov); Brogan, Joseph (broganj@yorkcounty.gov); Whitney Katchmark; Jill Sunderland (jsunderland@hrpdcva.gov); Hicks, Gayle (ghicks@hampton.gov)
Subject: RE: Phase II MS4 - Local TMDL Reminder and List

Angela: I'd just like to confirm that the Poquoson and Back River TMDLs are not required to have an action plan incorporated into our permit plan for two reasons:

- Both were approved after June of 2013. Table 1 uses a June 2013 approval date as the cutoff for actions plans due 36 months after permit issuance.
- We have been told by Jennifer Howell of DEQ that the TMDLs were being revised because of a mathematical error that occurred during their development. As far as I know, the state's implementation plan is on hold.

With regard to the 2nd point, I'm wondering if there is any sort of an update on the TMDLs' status. I spoke to Jennifer in August or September, and she mentioned that we would soon be seeing a letter from DEQ. It doesn't seem like any of the affected localities have received that letter yet. I'm sending her an email now, inquiring about the status.

Wouldn't a revision to the TMDL require a public hearing process, and a reset of the clock?

Any guidance or info would be appreciated.

From: McDowell, Angela (DEQ) [<mailto:Angela.McDowell@deq.virginia.gov>]
Sent: Monday, November 30, 2015 12:05 PM
To: David A. Kuzma; Ellen Roberts; Aaron Small; Brogan, Joe; Erin M. Rountree; Holcomb, Ronald L (Ron) CIV USAF (US); Suzanne Dyba; fran.geissler@jamescitycountyva.gov; Glenn Telfer; Bowman, Chris (DBHDS); Patricia Hunt; Scott

SC-2

SC-2

Conley; John Mason; Van Dyke, Peter R. (LARC-D406); 'Perkins, Patricia A.'; Scott Chewning; Gent, Angela B CIV NAVFAC MIDLANT, EV

Cc: Woodruff, Melinda (DEQ); Sauer, Mark (DEQ)

Subject: Phase II MS4 - Local TMDL Reminder and List

Hello Everyone-

This email serves as a reminder that the MS4 General Permit requires the operator to update the MS4 Program Plan to incorporate approvable TMDL Action Plans that identify the best management practices and other interim milestone activities that will be implemented during the remaining term of the permit for pollutants identified in TMDL wasteload allocations approved either on or after July 9, 2008, and prior to issuance of the MS4 permit.

Attached you will find a spreadsheet with pertinent information regarding the local TMDLs that require Action Plans within this permit cycle. Please refer to Section II.B of the MS4 General Permit, Special Conditions for approved TMDLs other than the Chesapeake Bay TMDL, for local TMDL Action Plan requirements.

As a reminder, local TMDL Action Plans are to be completed according to the schedule in Table 1, and submitted to the Department with the appropriate annual report. On an annual basis, the operator should report on the implementation of the TMDL Action Plans and associated evaluation including the results of any monitoring conducted as part of the evaluation.

Please don't hesitate to contact me with any questions.

Thank you,

Angela McDowell

MS4 Permits and Compliance Coordinator-Tidewater Regional Office

Department of Environmental Quality

5636 Southern Blvd, Virginia Beach, VA 23462

(O) 757-518-2136

angela.mcdowell@deq.virginia.gov

SC-2

Ellen Roberts

SC-2: City Actions To Reduce Budget
Prior To TMDL Implementation

From: Graham Wilson
Sent: Wednesday, August 22, 2018 10:47 AM
To: Ellen Roberts
Subject: Geese
Attachments: 3663_001.pdf

This was for the geese at South Lawson Park, where 62 geese where removed. An additional 39 geese were removed from the Lakes at Poquoson through a separate contract.

When and if you need more information, let me know. We have a file upstairs that might provide more information.

Graham

From: canonscan@poquoson-va.gov [<mailto:canonscan@poquoson-va.gov>]
Sent: Wednesday, August 22, 2018 8:44 AM
To: Graham Wilson
Subject: Attached Image



United States
Department of
Agriculture

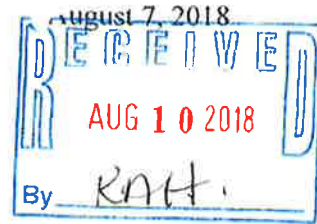
Animal and
Plant Health
Inspection
Service

Wildlife Services

P.O. Box 130
21321 Hull Street Rd
Doseley, VA 23120
804-739-7739 main
804-739-7738 fax

SC - 2

City of Poquoson
Attn: James R. Wheeler
500 City Hall Avenue
Poquoson, VA 23662



Thank you for contacting Wildlife Services (WS) for assistance in reducing damage from Canada geese. We recently removed resident Canada geese from your property by conducting a roundup of the birds during the summer molt. We hope that reducing the number of birds has been beneficial and we encourage you to continue your efforts to prevent further conflicts with Canada geese.

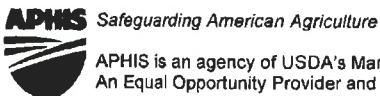
Although reducing the local population of geese can result in immediate relief or reduction of damage, it is important that you continue to implement a variety of non-lethal control methods to prevent large numbers of geese from becoming established again. If the habitat features that attracted geese to the property remain, it is reasonable to expect that more geese may move into the area over time in the absence of management. We therefore recommend that the following methods are continued or implemented at your location:

- Any feeding of geese or other waterfowl by residents, customers, or the public should be discontinued immediately. Signs stating that feeding of waterfowl is prohibited should be posted in public or common areas. Homeowner associations and civic leagues are encouraged to adopt covenants, by-laws, or regulations that prohibit the feeding of wildlife. If individuals in the area are feeding geese and those activities contribute to damage on neighboring properties, the feeding may be in violation of state wildlife regulations and should be reported to a Conservation Police Officer (1-800-237-5712).
- Harassment activities should continue and must be implemented immediately when geese are present for maximum effectiveness. Harassment may include the use of loud noises, chasing on foot or with vehicles, pyrotechnics, dogs, paintballs, etc. It is important to be persistent and proactive with harassment efforts to ensure that geese do not become established in large numbers. Please remember to check with your local authorities to ensure that these tools are legal to use in your area.
- To reduce population growth, eggs in Canada goose nests should be treated in the spring to prevent hatching. In Virginia, geese begin to nest as early as late February in some areas, so property owners should be vigilant. Online registration with the U.S. Fish and Wildlife Service is necessary prior to treating eggs in nests (<https://epermits.fws.gov/eRCGR/geSI.aspx>).

Additional information for managing waterfowl damage may be found on our web page at https://www.aphis.usda.gov/aphis/ourfocus/wildlifedamage/operational-activities/sa_waterfowl/ct_waterfowl. If you have any questions or need additional assistance, please contact our state office at the above number.

Sincerely,

Jeffrey A. Rumbaugh
Staff Wildlife Biologist



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FINAL PAGE of Appendix & Report

VAR# 040024