

Town of Bridgewater, Virginia

MS4 Annual Report

For the VSMP General Permit Registration Statement for
Small Municipal Separate Storm Sewer Systems (MS4)

General Permit Number: VAR040054

Report Permit Year: July 1, 2013 through June 30, 2014

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1 Background

The Town of Bridgewater's MS4 Annual Report is required as part of the Town's coverage under the Virginia General Permit for Discharge from Small Municipal Separate Storm Sewer Systems.

The MS4 Program Plan details the Town of Bridgewater's comprehensive program to manage the quality of stormwater runoff discharged from the MS4 through the following six control measures:

1. Public education and outreach on stormwater impacts
2. Public involvement and participation
3. Illicit discharge detection and elimination
4. Construction site stormwater runoff control
5. Post-construction runoff control for development and redevelopment
6. Good housekeeping and pollution prevention for municipal operations

The MS4 Program Plan was last submitted to the Virginia Department of Conservation & Recreation on April 1, 2013. Revisions and additions to the MS4 Program Plan were included in the re-registration statement for the General VSMP Permit. Additionally, this general permit will expire on June 30, 2018 and the deadline to submit a new registration statement on or before April 1, 2018 is required for continued coverage under the general permit.

The MS4 Annual Report will include the status of the BMP's implemented as part of the MS4 Plan in the preceding year. The annual Report is prepared by the Public Works Department in accordance with 4VAC50-60-1240, Section ILE.3 by October 1 of each year for the previous July – June fiscal year. Additional information on each BMP can be found in the MS4 Program Plan.

The MS4 Annual Report is submitted to:

Virginia Department of Environmental Quality (Attn: Brandon D. Kiracofe)
Water Permits & Compliance Manager
DEQ-Valley Regional Office
4411 Early Road
Harrisonburg, Virginia 22801

1.1 Status of Best Management Practices

At the time of this submittal all Best Management Practices (BMP) described in the Annual Report are functioning and meet MS4 Stormwater Permit Requirements.

During the next year, the Town of Bridgewater will continue the activities described within the "Schedule" section of each BMP described in this Annual Report and in the MS4 Program Plan.

1.2 Modifications to MS4 Program Plan

Changes that should be noted in the MS4 Program Plan include:

- Section 2.5.3 BMP: Event Participation and Reaching Diverse Audiences
- Section 3.4 BMP: Tracking and Investigation of Illicit Discharges
- Section 3.5 BMP: Outfall Reconnaissance Program
- Section 5.3 BMP: Virginia Stormwater Management Program
- Section 5.4 BMP: Inspection, Operation, and Maintenance Agreements
- Section 5.5 BMP: Inspection, Operation, and Maintenance of MS4 Facilities
- Section 5.6 BMP: Tracking of Stormwater Management Facilities
- Section 6.7 BMP: Nutrient Management Plans

1.3 New MS4 Outfalls

At the time of this submittal there have been no new MS4 outfalls added to the Town.

2 MCM 1 & 2: Public Education and Outreach and Public Participation/Involvement

2.1 BMP: Pet Waste Management for Private Properties

General Description: The Town of Bridgewater will continue to promote, encourage and educate citizens to properly manage their pet's waste.

Achievements This Year: The Town has continued to inform the public of pet waste management through the Town's newsletter, maintaining information on its website and made available a "Pick up after your pet" brochure.

Schedule of Activities:

Activity	Schedule
Continue General Education and Outreach to the public.	Years 1 through 5
Continue publishing Newsletter Articles.	Years 1 through 5
Continue distributing “Pick up after your pet” brochure.	Years 1 through 5
Continue maintaining the website link to the Center for Watershed Protection.	Years 1 through 5

2.2 BMP: Lawn Care and Garden Tips

General Description: The Town of Bridgewater will continue to promote, encourage, and educate citizens to properly maintain their lawn.

Achievements This Year: The Town continued to inform the public of the importance of proper lawn care and provided guidance to citizens on how to reduce nutrient runoff pollution.

Schedule of Activities:

Activity	Schedule
Continue General Education and Outreach to the public.	Years 1 through 5
Continue publishing Newsletter Articles.	Years 1 through 5

2.3 BMP: Vehicle Maintenance

General Description: The Town of Bridgewater will continue to promote, encourage, and educate citizens on proper vehicle care and maintenance.

Achievements This Year: The Town continued to inform the public of the importance of proper vehicle maintenance and provided guidance to citizens on efforts to reduce contaminants from entering into the storm drainage system.

Schedule of Activities:

Activity	Schedule
Continue General Education and Outreach to the public.	Years 1 through 5
Continue publishing Newsletter Articles.	Years 1 through 5

2.4 Public Education and Outreach Plan (2014-2015)

Summary:

- Restaurants waste management
 - Distribute educational materials to every restaurant located within the Town limits
- Automotive repair shops
 - Distribute educational materials to every automotive repair shop located within the Town limits.
- Vehicle fueling facilities
 - Distribute educational materials to every vehicle fueling facility located within the Town limits.

2.5 BMP: Educational Outreach Addressing Good Stormwater Management

General Description: The Town of Bridgewater will continue to publish educational articles in the Town’s newsletter which is distributed to town citizens. The Town will continue the webpage dedicated to environmental concerns and update it as needed.

Achievements This Year: The Town published fifteen (15) educational/instructive articles in the Town’s newsletter, maintained the Town’s webpage and continued to have available a “Stormwater Management Program” brochure. The Town attended one (1) public meeting addressing stormwater management.

Schedule of Activities:

Activity	Schedule
Continue publishing environmental articles in the Town's newsletter.	Years 1 through 5
Continue to update our webpage focused on environmental concerns.	Years 1 through 5

2.6 BMP: Informational Assistance

General Description: The Town of Bridgewater will continue to promote on the Town's website the available Local, State and Federal resources that citizens may use to assist them with their stormwater quality concerns and questions. The Town will also publish resources in its newsletter.

Achievements This Year: The Town maintained its website to show resources available to citizens.

Schedule of Activities:

Activity	Schedule
Continue to update website links on the Town website.	Years 1 through 5
Continue publishing in the Town's newsletter resources available to citizens.	Years 1 through 5

2.7 BMP: Contact Center

General Description: The Town of Bridgewater will continue to encourage citizens to express environmental concerns via an e-mail address set up for that purpose. MS4 information is available on our website at <http://town.bridgewater.va.us/v.php?pg=16>.

Achievements This Year: The Town continued the e-mail resource to citizens and responded to questions received. During this permit cycle no environmental concerns were reported.

Schedule of Activities:

Activity	Schedule
Continue making available to the public an E-Mail address that they can use to express environmental concerns.	Years 1 through 5
Continue monitoring E-Mails and respond/act as necessary.	Years 1 through 5

2.8 BMP: Public Involvement/Participation

2.8.1 Adopt-A-Stream River Clean-Up

General Description: The Town of Bridgewater will continue to promote and support the annual Stream Clean-Up and Monitoring Program sponsored by the Virginia Department of Environmental Quality.

Achievements This Year: The Town supported the 15th Annual North River Stream Clean-Up event sponsored by the DEQ Valley Regional Office which included an additional portion of the river and published its results in the Town's newsletter.

Schedule of Activities:

Activity	Schedule
Continue supporting the annual stream clean-up event.	Years 1 through 5
Continue promoting the annual clean-up in the newsletter both before and after the event.	Years 1 through 5
Continue promoting the annual clean-up on the Town's website.	Years 1 through 5

2.8.2 Project Clean Stream

General Description: The Town of Bridgewater will continue to promote and support the annual Project Clean Stream event sponsored by Perdue Farms, Inc.

Achievements This Year: The Town supported the 4th Annual Project Clean Stream event sponsored by Perdue Farms, Inc. and published the results in the Town’s newsletter. Included again in this year clean-up was the Cook’s Creek Arboretum and North River Road area.

Schedule of Activities:

Activity	Schedule
Continue supporting the annual project clean stream event.	Years 1 through 5
Continue promoting the project clean stream event in the newsletter both before and after the event.	Years 1 through 5
Continue promoting the project clean stream event on the Town’s website.	Years 1 through 5

2.8.3 BMP: Event Participation and Reaching Diverse Audiences

General Description: The Town of Bridgewater staff will attend appropriate community events to educate the community about stormwater and water quality issues and pollution prevention methods.

Achievements This Year: The Town staff continued to attend a number of educational and informational meetings on stormwater issues. This year the staff participated in seven (7) meetings with watershed associations.

Schedule of Activities:

Activity	Schedule
Continue attending relevant informational meetings.	Years 1 through 5

2.9 BMP: Educational Outreach for Minors

General Description: The Town of Bridgewater will continue to support the annual Wildwood Day event held at Wildwood Park.

Achievements This Year: The Town supported the 16th Annual Wildwood Day event. This program involved approximately one hundred (100) second grade

students, 35 adults and educated the children on a variety of topics. They explored life in a rotted log, painted the water lilies and reflections near the bridge in the style of Monet, planted and weeded the butterfly gardens, participated in a Nature/Math focused scavenger hunt and did a Microhike.

Schedule of Activities:

Activity	Schedule
Continue supporting the annual Wildwood Day event.	Years 1 through 5

2.10 BMP: Vegetation Collection

General Description: The Town of Bridgewater collects grass, brush, hedge trimmings, garden waste, yard debris and leaves on a weekly schedule.

Achievements This Year: The Town collected grass, brush, hedge trimmings, garden waste, yard debris and large amounts of leaves all year long to keep debris out of the storm drains and waterways.

Schedule of Activities:

Activity	Schedule
Continue to provide weekly vegetation collection.	Years 1 through 5

3 MCM 3: Illicit Discharge Detection and Elimination

3.1 BMP: Storm Sewer System Map

General Description: The Town of Bridgewater will continue to update its Storm Sewer System Map to include new and revised structures, ditches etc.

Achievements This Year: The Town continued to update its Storm Sewer System Map as needed.

Schedule of Activities:

Activity	Schedule
Continue updating Storm Sewer System Map as necessary.	Years 1 through 5

3.2 BMP: Illegal Discharge Ordinance

General Description: The Town of Bridgewater adopted an ordinance furthering the integrity and functionality of the Town’s storm sewer system. The ordinance specifically prohibits that substances other than stormwater-be they liquid or solid – may not be introduced into the Storm Sewer system. The Town of Bridgewater will continue to enforce this adopted ordinance.

Achievements This Year: The Town continues to enforce the discharge ordinance specifically addressing illegal discharge into the Town’s Storm Sewer system. The Town also promoted the local Household Hazardous Waste cleanup day in the newsletter.

Schedule of Activities:

Activity	Schedule
Continue to enforce the newly adopted discharge ordinance.	Years 1 through 5

3.3 BMP: IDD&E Program

General Description: The Town of Bridgewater will continue to respond to any detection of illicit discharge into the Town’s storm sewer system.

Achievements This Year: The Town has made available its Operating and Procedures manual to address how to respond to the Detection of Illicit Discharge. Three (3) Illicit Discharges were reported in this permit cycle.

Schedule of Activities:

Activity	Schedule
Continue monitoring for Illicit discharges into the town’s storm sewer system and respond when appropriate.	Years 1 through 5

3.4 BMP: Tracking and Investigation of Illicit Discharges

General Description: The Town of Bridgewater developed an Operating and Procedure Manual for investigating Illicit Discharges.

Achievements This Year: The Town implemented an Illicit Discharge Hotline Incident Tracking Sheet and a Pollutant Cleanup Documentation forms to correspond with the procedure manual and data tracking system. Of the three (3) reported illicit discharges report this cycle they included the following.

- 1 event involved the dumping of a waste oil container in regular household trash and then leaking onto the street.
- 1 event involved the dumping of a paint container in regular household trash and then leaking onto the street.
- 1 event involved the automotive brake fluid leaking onto the street intersection from a vehicle.

Each event was documented, clean –up was done by the town maintenance staff and disposed of properly.

Schedule of Activities:

Activity	Schedule
Continue to develop an illicit tracking data base and procedure manual.	Years 1 through 5

3.5 BMP: Outfall Reconnaissance Program

General Description: The Town of Bridgewater developed and implemented an outfall reconnaissance program to identify sources of pollutants.

Achievements This Year: The Town has a record of 33 stormwater outfalls at the beginning of this permit cycle. Included in this total are ditch lines, conveyance channels, and storm drains. The town developed inspection forms for storm drain outfalls and catch basin structures for periodic inspections. A total of 21 outfalls were screened during the 2013-2014 reporting period.

Schedule of Activities:

Activity	Schedule
Continue outfall reconnaissance program and field screening.	Years 1 through 5

3.6 BMP: Notification of Interconnected MS4s

General Description: The Town of Bridgewater will notify in writing any downstream regulated MS4 to which the small regulated MS4 is physically interconnected

Achievements This Year: An interconnection letter was sent to the State Stormwater Management Program Administrator with the Virginia Department of Transportation.

Schedule of Activities:

Activity	Schedule
Contact any future interconnected MS4s.	Years 1 through 5

4 MCM 4: Construction Site Stormwater Runoff Control

4.1 BMP: Erosion and Sediment Control legal authority and schedules

General Description: The Town of Bridgewater will continue to enforce the Virginia Erosion and Sediment Control Law in the Town.

Achievements This Year: The Town has conducted periodic inspections of land disturbing activities within the Town and documented the findings as required by VESC law. This permit cycle the town had nineteen (19) regulated land disturbing activities totaling 12.0 acres. There were twenty-one (21) violations issued on 13 projects that required six (6) Notices to Comply to be issued to facilitate the projects to be brought into compliance. Each violation was brought into compliance and no further actions were required.

Schedule of Activities:

Activity	Schedule
Continue enforcing the VESCL in the Town.	Years 1 through 5

4.2 BMP: Construction Site Operator Training

General Description: The Town of Bridgewater will continue to require that applicants for land disturbing permits have obtained the necessary permits from the Virginia Department of Environmental Quality and that the RLD is certified by the DEQ.

Achievements This Year: The Town continued to enforce current law regarding land disturbing permits. During the permit cycle two new VSMP permits were issued.

Schedule of Activities:

Activity	Schedule
Continue using our Sequence of Construction checklist to ensure that if required a VSMP permit has been obtained.	Years 1 through 5
Continue ensuring that the RLD is certified by the VDEQ.	Years 1 through 5

4.3 BMP: Staff Training

General Description: The Town of Bridgewater will continue to maintain certifications required by DEQ to enforce Virginia E&S laws.

Achievements This Year: Town employees maintained their DEQ E&S certifications.

Schedule of Activities:

Activity	Schedule
Continue to update Combined Administrator Certification.	Years 1 through 5
Continue to update Plan Reviewer Certification.	Years 1 through 5
Continue to update Field Inspectors certification.	Years 1 through 5

4.4 BMP: Current Adopted E&S Laws

General Description: The Town of Bridgewater will continue to enforce our current E&S ordinance.

Achievements This Year: The Town continued periodic and non-periodic inspections of land distributing activities in the Town. In this permit cycle 405 inspections were performed.

Schedule of Activities:

Activity	Schedule
Continue to actively enforce the Town E&S ordinance.	Years 1 through 5

5 MCM 5: Post-Construction Stormwater Management in New Development & Redevelopment

5.1 BMP: Enforcement of Current E&S Laws

General Description: The Town of Bridgewater will continue to ensure that developers follow the Town’s current E&S ordinance during and after construction.

Achievements This Year: The Town continued to enforce its current E&S program.

Schedule of Activities:

Activity	Schedule
Continue to ensure developers are following Town’s E&S ordinance.	Years 1 through 5
Continue to use the Virginia Stormwater Management Handbook.	Years 1 through 5

5.2 BMP: Post Construction Stormwater Management Controls Ordinance

General Description: The Town of Bridgewater will continue to use the VSMH when needed for guidance for the purpose of drafting Stormwater Maintenance Agreements. The Town will continue working toward the adoption of an ordinance regarding the maintenance and repair of stormwater management controls needed in post construction and development.

Achievements This Year: The Town referenced the VSMH to answer Stormwater Maintenance Agreement questions and has drafted an agreement.

Schedule of Activities:

Activity	Schedule
Continue using the VSMH manual.	Years 1 through 5
Continue to ensure a VSMP permit was obtained.	Years 1 through 5
Continue to require stormwater maintenance agreements.	Years 1 through 5
Continue working toward the adoption of an ordinance addressing the maintenance and repair of the stormwater management controls.	Years 1 through 5

5.3 BMP: Virginia Stormwater Management Program

General Description: The Town of Bridgewater integrated the Town’s Stormwater management requirements with the Town’s erosion and sediment control, flood insurance regulations and flood plain management into a more unified Stormwater Program.

Achievements This Year: The Town adopted the Stormwater Management Ordinance that will be effective on July 1, 2014.

Schedule of Activities:

Activity	Schedule
Continue to actively enforce and regulate the newly adopted ordinance.	Years 1 through 5

5.4 BMP: Inspections, Operations, and Maintenance Agreements

General Description: The Town of Bridgewater will develop a recordkeeping database management system for privately owned stormwater management facilities. This will include an inspection, operation and maintenance agreements.

Achievements This Year: The Town developed a recordkeeping database management system for privately owned stormwater management facilities.

Schedule of Activities:

Activity	Schedule
Continue to update the database system and enforce the inspection, operation, and maintenance agreements.	Years 1 through 5

5.5 BMP: Inspections, Operations, and Maintenance of MS4 Facilities

General Description: The Town of Bridgewater will develop a recordkeeping database management system for town owned stormwater management facilities. This will include a long-term maintenance and inspection procedures.

Achievements This Year: The Town developed a recordkeeping database management system for town owned stormwater management facilities and a procedure manual for maintenance and inspections.

Schedule of Activities:

Activity	Schedule
Continue to update the database system and conduct periodic inspections and maintenance as required.	Years 1 through 5

5.6 BMP: Tracking Stormwater Management Facilities

General Description: The Town of Bridgewater shall maintain an updated electronic database of all known town owned and privately-owned stormwater management facilities.

Achievements This Year: The Town developed a recordkeeping database management system for town owned and privately-owned stormwater management facilities.

Schedule of Activities:

Activity	Schedule
Continue to update the database system with all pertinent reporting requirements.	Years 1 through 5

Name	Type	Location	Total Area	Pervious Area	Impervious Area	Online Date	HUC	Impaired water segments within HUC	Ownership	Maintenance agreement	Inspection
Garst Property (137-(5)-L4)	Temporary Sediment Basin	Latitude: 38.373096° Longitude: -78.951536°	6.70	5.60	1.10	06/2005	PS23	Cook's Creek	Public		6/12/2014
Garst Property (137-(5)- L1)	Temporary Sediment Basin	Latitude:38.374961° Longitude: -78.952941°	2.00	2.00	0.00	06/2005	PS23	Cook's Creek	Public		6/12/2014
Oak Meadows	Detention pond	Latitude:38.375699° Longitude:-78.957539°	22.85	16.56	6.29	06/2005	PS25	North River	Public		6/11/2014
Dinkel Pond	Retention pond	Latitude:38.376861° Longitude:-78.963654°	56.70	46.33	10.37	06/2005	PS25	North River	Public		6/13/2014
Bridgewater College (Stone Village)	Retention pond	Latitude:38.376455° Longitude:-78.967384°	6.25	3.55	2.70	03/2013	PS25	North River	Private	Yes	4/22/2014
RMH Rehab Center (Formerly Backstage Video)	Subsurface SWM System	Latitude:38.385295° Longitude:-78.971942°	0.37	0.13	0.24	06/2005	PS25	North River	Private	Yes	4/22/2014
Oakdale Park	Detention Pond	Latitude:38.386547° Longitude:-78.96529°	76.50	57.36	19.14	06/2005	PS25	North River	Public		6/9/2014
Parkside Village	Detention pond	Latitude:38.388783° Longitude:-78.9647°	26.80	21.30	5.50	03/2012	PS25	North River	Public		Unfinished
Bridgewater Retirement (Maple Terrace)	D-Raintank™	Latitude:38.38465° Longitude:-78.970763°	0.21	0.07	0.14	03/2007	PS25	North River	Private	Yes	4/22/2014
Windsor West	Detention pond	Latitude:38.389859° Longitude:-78.959116°	10.50	7.38	3.12	06/2005	PS25	North River	Public		6/13/2014
Turner Ashby High School	Detention pond	Latitude:38.398043° Longitude:-78.955527°	32.10	16.30	15.80	06/2005	PS23	Cook's Creek	Public		6/11/2014
Millview Estates	Retention pond	Latitude:38.400726° Longitude:-78.972513°	35.10	33.06	2.04	03/2011	PS20	Dry River	Public		6/10/2014

5.7 BMP: VSMP

General Description: The Town operates its own Virginia Stormwater Management Program in accordance with the Virginia Stormwater Management Act and is consistent with the VSMP regulation and the General VPDES Permit for Discharges of Stormwater from Construction Activities.

Achievements This Year: The Town of Bridgewater was approved to operate a Virginia Stormwater Management Program (VSMP) beginning July 1, 2014.

Schedule of Activities:

Activity	Schedule
Implement and maintain VSMP.	Years 1 through 5

6 MCM 6: Pollution Prevention/Good Housekeeping for Municipal Operations

6.1 BMP: Employee Training

General Description: The Town of Bridgewater will continue to conduct an employee-training program designed to educate and inform town personnel in good stormwater management practices.

Achievements This Year: The Town conducted annual employee educational training relative to good stormwater management with the town's twenty-one maintenance employees. Training sessions were held during the month of February 2014.

Schedule of Activities:

Activity	Schedule
Continue with the employee-training program.	Years 1 through 5

6.2 BMP: Roadway Maintenance and Cleaning Schedule

General Description: The Town of Bridgewater will continue with its current roadway and cleaning schedule for all public roadways and parking areas.

Achievements This Year: The Town continued with its weekly cleaning schedule for all primary and secondary roadways. The town implemented a street sweeping map/schedule and accumulatively cleaned over 730 lane miles of the Town's streets.

Schedule of Activities:

Activity	Schedule
Continue with the current maintenance and cleaning schedule.	Years 1 through 5

6.3 BMP: Stormwater Management Controls Maintenance Schedule

General Description: The Town of Bridgewater will continue annual inspections of its stormwater management controls and repair any structure when needed.

Achievements This Year: The Town inspected its stormwater management control structures on a semi-annual schedule and prior to and after severe storms.

Schedule of Activities:

Activity	Schedule
Continue semi-annual inspections of stormwater control structures.	Years 1 through 5

6.4 BMP: Pesticide, Herbicide, and Fertilizer Application & Management

General Description: The Town of Bridgewater staff that applies pesticides, herbicides and fertilizer on public right-of-ways or Town owned and operated facilities are properly trained and certified.

Achievements This Year: The Town staff has three (3) VDACS certified commercial applicators and seven (7) registered technicians.

Schedule of Activities:

Activity	Schedule
Continue operations and explore opportunities for improvements.	Years 1 through 5

6.5 BMP: Salt Storage and Use

General Description: The Town of Bridgewater applies salt to the town’s streets to reduce the amount of ice during winter storm events. The town staff maintains equipment and stores road salt in an enclosed structure.

Achievements This Year: Each fall, the Public Works Department conducts a two week-long process of inspecting and calibrating all of its Snow and Ice Equipment. During this time all staff involved in snow removal goes through refresher training and the equipment is further inspected by staff from the Public Works Department. During this refresher, safety and operational procedures are reviewed in an effort to increase snow removal efficiency and to minimize the unnecessary use of salting products. The Town of Bridgewater developed a snow removal plan map with corresponding areas to be covered with designated vehicles responsibilities.

Schedule of Activities:

Activity	Schedule
Continue operations and explore opportunities for improvement.	Years 1 through 5

6.6 BMP: Parks Operation and Maintenance

General Description: The Town of Bridgewater shall continue to maintain the twelve (12) Town Parks totaling over ninety-nine (99) acres of land and encourage citizens to prevent pollutants and litter from entering the Town’s storm drain system and receiving waters.

Achievements This Year: The Town inspects each Town Park on a daily basis from early spring (March) thru the fall (November) and systematically during the winter months to keep litter/pollutants from entering the storm drain system. The town added additional acreage to our park system.

Schedule of Activities:

Activity	Schedule
Continue inspections of the Town's Parks and explore opportunities for improvement.	Years 1 through 5

6.7 BMP: Nutrient Management Plans

General Description: The Town of Bridgewater identified all the town owned lands that have nutrients applied and will implement a turf and landscape management plan to all the lands where nutrients are applied to a contiguous area greater than one (1) acre.

Achievements This Year: The Town developed a nutrient management plan schedule on nine (9) selected areas totaling over ninety-nine (99) acres.

Schedule of Activities:

Activity	Schedule
Continue to expand the nutrient management schedule on selected areas.	Years 1 through 5

6.7 BMP: Nutrient Management Plans - Summary – Table 2

Overview			Nutrient Management Plan Required?
Name	Location	Acreage	
Bird Sanctuary	Latitude:38.381331° Longitude:-78.980353°	0.75	No
Bridgeview Park	Latitude:38.382354° Longitude:-78.980348°	2.61	Yes
Cooks Creek Arboretum	Latitude:38.387272° Longitude:-78.950122°	8.83	Yes
Edgebriar Park	Latitude:38.379681° Longitude:-78.978889°	0.24	No
Greenwood Ames Cemetary	Latitude:38.384977° Longitude:-78.975434°	1.60	Yes
Harrison Park	Latitude:38.386469° Longitude:-78.974002°	15.72	Yes
Millview Park	Latitude:38.401786° Longitude:-78.972344°	4.73	Yes
Oakdale Community Park	Latitude:38.387537° Longitude:-78.965918°	36.50	Yes
Sandy Bottom Park	Latitude:38.369972° Longitude:-78.965907°	15.02	Yes
Seven Bridges Park	Latitude:38.380195° Longitude:-78.979304°	2.23	Yes
Warm Springs Turnpike Park	Latitude:38.392144° Longitude:-78.963934°	0.13	No
Wildwood Park	Latitude:38.385893° Longitude:-78.988819°	12.00	Yes
Wynant Park	Latitude:38.380463° Longitude:-78.975434°	0.83	No

Total acreage requiring NMP	99.24
Total acreage to be implemented by June 30, 2015	14.886
Total acreage to be implemented by June 30, 2016	39.696
Total acreage to be implemented by June 30, 2017	74.43
Total acreage to be implemented by June 30, 2018	99.24

6.8 SWPPP Development for High Priority – High Potential Facilities

General Description: The Town will develop and implement SWPPPs (as scheduled in state permit) for all high-priority facilities identified as (i) composting facilities, (ii) equipment storage and maintenance facilities, (iii) materials storage yards, (iv) pesticide storage facilities, (v) public works yards, (vi) recycling facilities, (vii) solid waste handling and transfer facilities, and (ix) vehicle storage and maintenance yards.

Achievements This Year: The Town identified those facilities that have a high priority-high potential for stormwater

Facility/Group	Type of Facility
Town Maintenance Shop	Equipment, material, and vehicle storage
Sandy Bottom Golf Course	Chemical, material storage and material disposal area

Schedule of Activities:

Activity	Schedule
Continue to identify high-priority facilities.	Years 1 through 5

6.9 BMP: Daily Operational Procedures

General Description: The Town of Bridgewater will develop and implement written procedures designed to minimize or prevent pollutant discharge from: (i) daily operations such as road, street, and parking lot maintenance; (ii) equipment maintenance; and (iii) the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers. These procedures will be covered as part of regular employee stormwater training sessions.

Achievements This Year: Policy and procedures are under development for proper procedures associated with daily operations and possible impacts on waterways.

Schedule of Activities:

Activity	Schedule
Develop and update as needed daily operation procedures.	Years 1 through 5

7 Virginia Total Maximum Daily Load (TMDL) Special Conditions

General Description: The Town of Bridgewater will work on developing TMDL Action Plans during the first two years (2013-2014 and 2014-2015) of this permit cycle to address pollutants which the Town's MS4 has been assigned a wasteload allocation. Refer to Table 1. Subwatersheds in Bridgewater.

Achievements This Year: The Town of Bridgewater is currently developing TMDL Action Plan for approved TMDLs.

Schedule of Activities:

Activity	Schedule
Develop TMDL action plan for approved TMDLs.	Years 1 through 5

Table 3 – Subwatersheds in Bridgewater

Subwatershed Name	Hydrologic Unit Code (HUC)	Approximate Length (miles) within Bridgewater	Approximate Drainage Area (acres)	Impairments	TMDL#
Dry River	PS20	0.26	142	Escherichia coli, Fecal Coliform	1492
Cooks Creek	PS23	0.27	244	Escherichia coli, Fecal Coliform	9473
Cooks Creek	PS23	0.27	244	Benthic-Macroinvertebrate Bioassessments	9509 & 9510
North River	PS25	3.00	1231	Escherichia coli, Fecal Coliform	23366

8 Chesapeake Bay Total Maximum Daily Load (TMDL) Special Conditions

General Description: The Town will work on developing the Chesapeake Bay TMDL Action Plan during the first two years of this permit cycle in accordance with the permit requirements.

Achievements This Year: The Town of Bridgewater is currently developing TMDL Action Plan for approved TMDLs.

Schedule of Activities:

Activity	Schedule
Develop TMDL action plan for approved TMDLs.	Years 1 through 5

9 Persons Responsible for Coordinating Small MS4 Stormwater Management Program

The persons responsible for implementing parts of the small MS4 stormwater management program and their contact information are listed within the previous sections describing BMP's.

Following is a list of primary contact persons for coordinating and implementing the program. These names will be updated as necessary and included as part of the report.

Principal Executive Officer

Title: Town Superintendent
Name: Bob F. Holton
Address: 201 Green Street
Bridgewater, Virginia 22812
Phone: (540) 828-3390
Email: bholton@town.bridgewater.va.us

Duly Authorized Representatives

Title: Public Works Director
Name: Vacant
Address: 201 Green Street
Bridgewater, Virginia 22812
(540) 828-3705
Email:

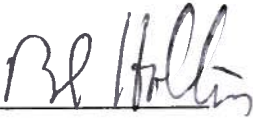
Title: Zoning Administrator
Name: Patrick C. Wilcox
Address: 201 Green Street
Bridgewater, Virginia 22812
(540) 828-2479
Email: pwilcox@town.bridgewater.va.us

Title: Stormwater Management
Name: John M. Ware
Address: 201 Green Street
Bridgewater, Virginia 22812
(540) 828-2479
Email: jware@town.bridgewater.va.us

10 Signed Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations."

Signature



Printed name: Bob F. Holton, Town Superintendent

Date

3/19/2015