

INTRODUCTION

This annual report was developed by the City of Waynesboro Stormwater Program that is a Division of the Public Works Department. The report covers the reporting cycle July 1, 2015 through June 30, 2016 – Permit Year 3 for Permit VAR04133 which became effective July 1, 2013, and includes the status of compliance with the permit conditions, the appropriateness of the best management practices to meet the measurable goals of the program plan, and the reporting requirements of the general permit. Descriptions of the applicable Best Management Practices (BMP's) for each Minimum Control Measure (MCM) are included with a description of the BMP, Year 3 activities, and projected Year 4 activities. A summary table is provided for each of the six MCMs that provides the BMP tracking measures and reported numbers. A grey cell in these tables indicates the program element is not applicable to that permit year. No changes to the Program Plan were made.

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MS4 PROGRAM

Minimum Control Measure 1 – Public Education and Outreach

BMP – 1.1 School Presentations

Summary: School presentations were, again, high priority items for the 3rd permit year. The City's long-term goal for the presentations at local schools is to target students in a single grade in elementary school and middle school and to continue existing presentations for high school students. Stormwater Program Staff has developed a program for fourth graders at one of the City's four elementary schools and conducted a stream and watershed walk with all eighth graders in the City and a high school ecology class.

Year 3 Activities: The program for the fourth graders was developed to address Standards of Learning for the Earth Science curriculum and included a set of indoor activities such as sources of water pollution using an Enviroscape, basic soil properties, the local watershed for the school and aquatic species in the South River. These activities culminated with the presentation of stormwater planter installed on one of the school's outbuildings which will serve as an environmental educational model for future classes.

An event leading up to Riverfest included a field trip to Constitution Park for 8th graders from Kate Collins M.S. where the students were exposed to several different watershed and environmental concepts. City Stormwater staff gave presentations specifically involving the local watershed and how runoff changes with different land uses.

Stormwater Program staff also gave a presentation to the Waynesboro High School ecology class which included a watershed walk from the high school down to the South River at Ridgeview Park where students were exposed to all of the different infrastructure components and how they interacted with and affected runoff as well as an overview of water quality issues in the City which included a description of a City owned bio-retention filter.

Year 4 Goals: The City will continue the school presentations in Year 4 with a goal of expanding the target audience for the 4th Grade Program by visiting additional City elementary schools. The main classroom focus for year 4 will be Illicit Discharges.

BMP – 1.2 Stormwater Webpage

Summary: The City has developed a [dedicated stormwater page](#) on the City's website which allows detailed information to be available to the public including the MS4 Program Plan and Annual Report.

Year 3 Activities: Other information included on the Stormwater Administration page includes links to the Stormwater Capital Improvements Program, water quality organizations, a presentation on a City detention pond retrofit project, and the Virginia Stormwater Management Regulations. The City stormwater page had 587 Page Views and 458 Unique Views during Permit Year 3.

Year 4 Goals: The city will continue to refine and update the website during the 4th year of the permit with a focus on providing information that informs public awareness on basic stormwater and watershed concepts as well as on-going programmatic and water-quality related initiatives.

BMP – 1.3 Educational Brochures

Summary: The City is working steadily to provide educational information in an easy to read format; in an effort to increase the base knowledge of stormwater to the general public.

Year 3 Activities: Program staff distributed its stormwater brochure at all of the outreach events, and it is readily available on the website and at the Public Works and Utilities Billing offices. Two topics that have also been addressed through educational materials are descriptions of homeowner scale runoff reduction practices that are being demonstrated at the City’s Public Works Administration offices and the water quality benefits of the developing Composting Program.

Year 4 Goals: The city plans to continue to distribute the brochure with basic program information and additional educational materials as well as develop a dedicated Illicit Discharge Brochure.

Minimum Control Measure 1 – Public Education and Outreach Summary

BMP	Tracking Measure	Reported Number				
		2013	2014	2015	2016	2017
1.1 School Presentation	# of presentations	2	3	6		
	# of students	50	75	139		
1.2 Stormwater Webpage	# of page views		354	587		
	# of unique views		257	458		
1.3 Educational Brochures	# of brochures distributed		100	125		

Minimum Control Measure 2 – Public Involvement/Participation

BMP – 2.1 Tree Planting Program

Summary: The City currently has a Tree Planting Program where new trees are planted, dead or diseased trees are replaced, and structural pruning is performed on young, existing trees. The City also organizes and participates in an Arbor Day event which is open to everyone with special participation from students at Westwood Hills Elementary.

Year 3 Activities: The Waynesboro Department of Parks and Recreation, again, hosted the Arbor Day program at Ridgeview Park on April 22, 2016 for the first graders at Westwood Hills Elementary which coincided with their Earth Day studies. The first grade class, about eighty students in all, came out for the afternoon to learn a bit about trees, their function and their contributions. Approximately 24 other attendees participated in the event.

Additionally, the City Stormwater Program was awarded the 2015 Virginia Trees for Clean Water Grant developed by the Virginia Department of Forestry to improve onsite water quality. The deep root systems of trees and herbaceous shrubs increase the absorption of rainwater, minimizing sediment and pollutant loads. Waynesboro is unique as its water resource is fed by natural occurring springs and is host to the South River; both require preservation to benefit the health of citizens, streams and rivers. The planting of 200 hardwood and herbaceous shrubs occurred in the spring at the Public Works Administration Building located in the Wayne Hills District. Volunteers from Fishburne Military School helped to make this project a success.

Year 4 Goals: The City Stormwater Program will continue to support the Arbor Day event as well as consider any other grant opportunities for tree planting to participate.

BMP – 2.2 DEQ/DCR Adopt-A-Stream Program

Summary: The City actively encourages participation in Adopt-A-Stream programs. The City maintains preparedness to offer assistance to local groups and schools in their Stream cleanup events.

Year 3 Activities: As a team building exercise; leadership groups from Public Works participated in cleanup efforts in areas directly draining to local streams and the South River. These events resulted in several pickup truck loads of trash being pulled out roadside ditches which discharge directly to the South River.

Year 4 Goals: The City will continue its outreach to local organizations to participate in the Adopt-A-Stream Program as well as offer technical and logistical support.

BMP – 2.3 Stormwater Partnerships

Summary: The City Stormwater Program will meet with other local and regional groups to improve staff knowledge and foster awareness of stormwater issues.

Year 3 Activities: City staff actively participated with a group of local MS4 and VSMP localities hosted by the Central Shenandoah PDC. This group meets quarterly to discuss MS4 and VSMP related issues for the communities, and also presents collaborative outreach materials on the [cleanstream](#) website.

City staff also attended numerous events including the Pure Water Forum, the Virginia Water Monitoring Council Conference, a stream restoration class put on by the Center for Watershed Protection as well as several events at the annual Environment Virginia Symposium. These classes provide excellent educational and networking opportunities.

Year 4 Goals: City staff will continue to meet with other CSPDC localities and look for other opportunities such as the Pure Water Forum Annual Meeting and gatherings of civic groups.

BMP – 2.4 Stormwater Hot-Line and YourGov Portal

Summary: Easy citizen access to report Illicit Discharges and other stormwater concerns are critical for the Stormwater Program to serve the community.

Year 3 Activities: The City established a dedicated stormwater hot-line early in the 2nd year of the permit and also activated a YourGov link on the City website as a means for citizens to contact City staff with stormwater concerns. The hot-line and YourGov link are visibly posted on the City's website. During Year 3 they received heavy volumes of traffic as they were used for direct access for handling issues with the newly adopted Stormwater Utility fee.

Year 4 Goals: The City will continue to maintain these means of access and promptly respond to any messages as well as address any needs to improve efficiencies.

BMP – 2.5 Participation in Community Events

Summary: The City Stormwater Program presented educational materials and activities at several community events during the 3rd year of the permit.

Year 3 Activities: South River Family Fall Day included activities such as benthic water monitoring, rain barrel demonstrations, Stormwater Program information and a sewer demonstration. The estimated attendance was over 150 citizens.

For the 2016 Public Works Day, the Stormwater Division hosted South River Jeopardy. The estimated attendance at the event was 500 citizens.

At Riverfest 2016, Program staff presented basic MS4 information and targeted information on homeowner practices such as rain barrels and downspout disconnections. Activities included a 'Scavenger Hunt' that had families locating and identifying different features which impact a local watershed as well as painting and planting tree seeds in a small cup to take home for 50 participants. The Riverfest organization estimates they reach 2,000 children and adults every year.

The Stormwater Program Manager presented an overview of historic stormwater issues in the City, the MS-4 Program, and the South River Restoration projects to a weekly gathering of approximately 40 members of the Waynesboro Rotary Club.

The Program Manager also presented an update to Waynesboro's City Council on the prior year's activities and plans for the forthcoming year as well as a Stormwater Utility Fee status update, which was enacted on July 1, 2015.

Year 4 Goals: The City Stormwater Program will continue to participate in events such as these in Permit Year 4 because these activities provide a good way for families to understand the interactions between the urban landscape and the South River.

Minimum Control Measure 2 – Public Involvement/Participation Summary

BMP	Tracking Measure	Reported Number				
		2013	2014	2015	2016	2017
2.1 Tree Planting Program	# of trees planted	85	17	47		
	# of trees pruned	56	29	7		
	Arbor day participants	70	70	104		
	# of seedlings	70	70	185		
2.2 DEQ/DCR Adopt-A-Stream	Total linear feet adopted	1,000		0		
2.3 Stormwater Partnerships	# of meetings		4	7		
2.4 Stormwater Hot-line	# of calls		50	620		
	# of website requests		32	75		
2.5 Participation in Community Events	# of participants		650	700		

Minimum Control Measure 3 – Illicit Discharge Detection and Elimination

BMP – 3.1 Hazardous Waste Collection Day

Summary: The City regularly participates in the regional household hazardous waste collection day held at the Augusta County Government Center. The following types of waste were accepted: gasoline, kerosene, oil-based paints & stains, rechargeable batteries, pesticides, solvents, diesel fuel, #2 fuel oil, polyurethane, automobile batteries, herbicides, small electronics, antifreeze, 2 cycle fuel mix, CFL and fluorescent bulbs, motor oil, mercury devices and computers.

Year 3 Activities: The City supplies informational materials prior to the Collection Day. City staff assisted with collecting Household Hazardous Waste at the event; a total of 21 city vehicles dropped off hazardous material during the day. The Augusta County Service Authority could not specifically identify the reason for the reduced traffic at this event, although they did state that participation is highly variable from year to year.

Year 4 Goals: The City will continue to send an informational flyer prior to the event and provide support staff for the event.

BMP – 3.2 IDDE Detection Program

Summary: Year 3 was an important year for the IDDE Program. The major goal for the year was to develop and implement an IDDE Program that would detect, identify and address illicit discharges into the City's regulated MS4 system.

Year 3 Activities: The program components developed in Year 3: included adopting an ordinance and Standard Operating Procedures (SOPs) based on guidance and information provided by the Center for Watershed Protection (CWP). A prioritized screening schedule and tracking system was also developed which works off of a mobile platform as well as a web-based program. This application tracks and prioritizes screenings based on a sub-watershed map and Illicit Discharge Potential (IDP) ranking of different areas within the City.

Year 4 Goals: The IDDE program will go into an operational phase during Year 4 where at least 50 outfalls will be screened. Ongoing efforts for improving efficiencies within the screening program will also be pursued with the goal of eliminating non stormwater discharges.

BMP – 3.3 Mapping of Stormwater Network

Summary: The City is continuing to maintain an accurate storm sewer system map and information table for City-owned stormwater facilities using GIS and GPS technologies. Information which has been collected and to be maintained includes:

- MS4 outfalls
- Name and location of receiving waters, and if it's impaired
- HUC (6th order)

- Information table containing unique outfall identifier
- Estimated MS4 acreage served
- Applicable TMDL
- Structural stormwater BMPs type and location
- Storm sewer type and size

Year 3 Activities: The City has been working to produce an updated and accurate system and outfall map over the last 3 permit years. Stormwater staff has completed a survey of the city's outfalls and using GPS and GIS equipment have identified 150 outfalls within our MS4 boundary.

Year 4 Goals: Staff will continue maintaining and updating the map as part of its outfall screening and systematic infrastructure condition assessments.

BMP – 3.4 SPCC Training

Summary: The City Public Works employees have monthly safety meetings that cover a wide range of topics including spill response. In addition, all personnel employed by the City Fire Department receive spill response training.

Year 3 Activities: Public Works Department employees were provided with procedures for handling and working with substances in a safe manner and included information on spill-handling procedures.

Year 4 Goals: The City will continue with its goal to educate employees on standardized process operating procedures to minimize accidental pollutant release that could contaminate stormwater runoff.

Minimum Control Measure 3 – Illicit Discharge Detection and Elimination

BMP	Tracking Measure	Reported Number				
		2013	2014	2015	2016	2017
3.1 Hazardous Waste Collection Day	# of city vehicles	56	32	21		
3.2 IDDE Detection Program	# of ID detected			1		
	# of enforcement actions			0		
3.3 Mapping of Stormwater Network	# of Inlets		495			
	# of Manholes		186			
	# of outfalls		41			
	MS4 outfall designations		26	150		
3.4 SPCC Training	# of personnel trained	95	95	76		

Minimum Control Measure 4 – Construction Site Runoff Control

The City of Waynesboro operates two parallel programs to manage Construction Site Runoff Control, by serving as an Erosion and Sediment Control (ESC) and Virginia Stormwater Management Program (VSMP) Authority. The City has a dedicated Inspector and Plan Reviewer for these programs, and these staff members are assisted by other administrative and field personnel as needed.

BMP – 4.1 Erosion and Sediment Control Program

Summary: The City continued administering their erosion and sediment control program that applies to large sites as well as single family home construction through the 3rd permit year.

Year 3 Activities: A total of 43.3 acres of land were disturbed which includes both new construction for single family homes as well non single family construction activities. This resulted in 954 inspections performed over the course of the year. From July 1, 2015 to June 30, 2016 City of Waynesboro ESC Staff also issued 11 Notice to Comply documents, 16 Stop Work Orders, and 2 Letters of Enforcement. The table below includes tracked parameters for the 3rd permit year.

Year 4 Goals: Continue to operate a program that complies with State of VA regulations and succeeds in reducing sediment discharges to state waters. ESC Staff will also continue to maintain proper certifications and attend training as necessary.

BMP – 4.2 Require VSMP Permits

Summary: The City became a VSMP Authority on July 1, 2014 and is responsible for administration of the local VSMP Program in accordance with Commonwealth of Virginia regulations. Program staff focused on educating the construction industry, especially homebuilders in Common Plans of Development, on the updated regulations and emphasis on compliance with Pollution Prevention Plans.

Year 3 Activities: At the conclusion of Year 3 a total of 10 permits were active within the City; 7 of those were continued coverage and 3 were issued as new permits since July 1, 2015. The City has chosen to conduct 'spot' inspections during more routine ESC inspections to educate Operators and catch minor infractions in addition to full, periodic inspections per State regulations. This method has proved helpful for contractors with less familiarity on VSMP Regulations. The City also issued 31 Single Family permits which were part of larger Common Plans of Development.

Year 4 Goals: The City will continue to implement local VSMP Program administration and require applicable VSMP requirements be instituted throughout the permit cycle with a goal of eliminating non-stormwater discharges to state waters from construction activities.

Minimum Control Measure 4 – Construction Site Runoff Control

BMP	Tracking Measure	Reported Number				
		2013	2014	2015	2016	2017
4.1 Erosion and Sediment Control Program	# of new sf land disturbance activities	76	25	41		
	# of non-sf land disturbance activities	13	9	7		
	# of acres	65.66	68.29	43.3		
	# of inspections	1,501	1,254	954		
	# of enforcement actions	43	21	15		
4.2 Require VSMP Permits	# of permits	7	9	10		
	# of single family permits (CPOD)		27	31		
	# of full inspections		2	5		
	# of 'spot' inspections		130	122		
	# of CPOD inspections		54	485		
	# of enforcement actions		0	15		
	# of exemptions	0	0	15		

Minimum Control Measure 5 – Post-Construction Runoff Control

BMP – 5.1 Structural BMP Maintenance

Summary: The City MS4 Program Plan spells out the development of a program to ensure proper maintenance of all City-owned structural BMPs and inspection and potential enforcement of privately owned structural stormwater BMP's.

Year 3 Activities: During the 3rd year of the permit cycle the City owned BMP inventory and report was updated and the City conducted some routine maintenance of those BMPs. Maintenance tasks consisted of mowing and removal of excess vegetation which would impede retention and detention facilities. Weeding of invasive species and adding mulch to Bio Filters, as well as removal of trash and sediment.

Between July 1, 2015 and June 30, 2016 one maintenance agreement was signed and recorded for a private BMP. This number is expected to increase for Year 4 based on current or planned construction activities.

Year 4 Goals: For the 4th year of the permit, and the City will continue routine maintenance of these facilities. The City will continue to require a maintenance agreement for any new privately owned structural BMP. The City will also encourage owners of private structural BMPs without agreements to acquire the maintenance agreement by requiring the maintenance agreement to be in place for a property to be eligible for stormwater utility fee credits.

BMP – 5.2 Structural BMP Inspection

Summary: The City is continuing its development of a program to inspect structural BMPS within the City. The existing maintenance agreements require property owners of private BMPs to inspect, maintain, and submit a report to the City. The BMP inspection program is to be developed and implemented by the end of the 3rd year of the permit cycle. Under this program, the City will also inspect private BMPs once every 5 years. City-owned BMPs will be inspected annually per the program described in BMP 5.1. The City VSMP Program, which became active July 1, 2014, will aid in maintaining compliance with managing post-construction runoff.

Year 3 Activities: As part of a grant for Historical BMP Reporting from DEQ, the City completed field verification exercises for all known structural BMP's within the City. This process started during Permit Year 2 and concluded in Permit Year 3. The City also inspected 16 structural BMP's maintained by the City per the program described in BMP 5.1. Private BMP inspection reports have been standardized with fact sheets on inspecting maintaining the most common BMPs found in the City. These documents are readily available upon request.

Year 4 Goals: The City will continue to inspect and maintain public facilities and continue tracking inspections from privately owned BMPs within the City.

BMP – 5.3 Structural BMP Database

Summary: The development of a structural BMP database will be instrumental in implementing BMP 5.1 and BMP 5.2. The BMP database will include the type of BMP, ownership, location, date brought online, HUC code, receiving waters, if receiving waterway is impaired, if maintenance agreement exists, number of acres treated, and most recent inspection.

Year 3 Activities: During Year 3, the City worked toward updated the database during mapping exercises and as part of the DEQ Historical Reporting Grant.

Year 4 Goals: The city will continue update its BMP database as well as participate with the Department in its database building activities.

Minimum Control Measure 5 – Post-Construction Site Runoff Control

BMP	Tracking Measure	Reported Number				
		2013	2014	2015	2016	2017
5.1 Structural BMP Maintenance	# of new agreements	3		1		
5.2 Structural BMP Inspections	# of private inspection reports		1	1		
	# of public inspection reports		14	16		
	# of enforcement actions			0		
5.3 Structural BMP Database	BMP database development			170		
	# of BMPs updated			170		

Minimum Control Measure 6 – Pollution Prevention/Good Housekeeping

BMP – 6.1 Street Sweeping

Summary: Street sweeping is an important component of the City's Pollution Prevention efforts as it can lead to significant reductions in the amount of sediment and related pollutants reaching surface waters.

Year 3 Activities: The City continued its program of regular street sweeping, with 3,410 miles swept. The City conducted planning, research and budgeting activities in order to purchase a new Regenerative Sweeper as well as convert the Street Sweeper position to a full time position.

Year 4 Goals: Continue regular street sweeping operations according to the Program Plan and begin converting the tracking metric used from lane miles swept to the mass loading approach as defined by the expert panel for the Chesapeake Bay Program.

BMP – 6.2 Pollution Prevention Training

Summary: The City Public Works Department regularly provides pollution prevention training to its employees. Regular safety committee meetings incorporated environmental protection into the agenda as part of Public Works' environmental management systems program.

In addition, the Streets Division crew dedicated to stormwater maintenance is trained as a 'First Response Team' and responds to emergency situations where fuel or other non-stormwater substances can reach surface waters. This crew as well as other essential personnel attend annual training in order to maintain readiness and effectiveness.

Year 3 Activities: Public Works employees were provided with procedures for handling and working with substances in a safe manner and included information on spill-handling procedures as well as discussions of hazard assessment. Training was conducted in a "tool box" method as well as more formal training.

Stormwater Program staff continued a series of classes for all Public Works employees on stormwater and MS4 basics as well as IDDE and Good Housekeeping measures. Select Public Works staff also received more in depth training on the some of the structural sediment trapping measures which will be incorporated into a Standard Operating Procedure. The purpose was to allow them the opportunity to see some of the options and provide their opinions on which practices would be the most efficient for them.

Year 4 Goals: Continue to educate City employees on standardized process operating procedures to minimize accidental pollutant release that could contaminate stormwater runoff. Continue to develop Standard Operating Procedures for pollution prevention for Public Works crews.

BMP – 6.3 Yard Debris Collection Program

Summary: The City has an on-going yard debris and leaf collection program that reduces the amount of yard waste that reaches storm sewers and surface waters.

Year 3 Activities: Public Works employees collected over 735 tons and 288 loads during the 3rd permit year. The city also completed its initial cycle of providing general education to the public on proper disposal techniques leading up to the development of a new disposal ordinance.

Year 4 Goals: Continue collecting yard debris and leaves that could otherwise clog storm sewers as well as providing education to the general public on proper disposal techniques. During permit year 4 the City will be work to develop a new ordinance on proper disposal techniques.

BMP – 6.4 Vehicle Wash Program

Summary: A vehicle washing program, which ensures that pollutants from vehicle wash runoff are prevented from entering the stormwater system to the maximum extent practical, will be an important pollutant reduction mechanism. Development of the vehicle wash program will be completed by the end of the 4th permit year.

Year 4 Goals: Applicable City departments will develop individual programs and be prepared to implement them July 1, 2017.

BMP – 6.5 Storm Sewer Inspections and Maintenance

Summary: A methodical storm sewer inspection and maintenance program will aid in routine maintenance and non-routine (repair) maintenance of these facilities. The program is to be developed by the end of the 4th year of the permit cycle.

Year 3 Activities: During permit year 3 the City issued a contract to clean and CCTV approximately 5,500 linear feet of storm sewer pipe which was identified during routine mapping and inspection activities.

Year 4 Goals: The City will again administer a contract for storm sewer cleaning during year 4. Areas to be flushed will be identified through routine, systematic inspections as well as known problematic areas.

BMP – 6.6 Develop Stormwater Pollution Prevention Plan (SWPPP) for Required City Facilities

Summary: The City will need to identify high priority City facilities, and develop a SWPPP for each of these facilities. The city is to identify the high priority facilities, and develop the SWPPPs by the end of 4th year of the permit cycle (June 30, 2017). Implementation of the SWPPPs will begin during the 5th year of the permit cycle.

Year 3 Activities: The City was able to develop a draft list of high priority City facilities for development of SWPPPs in Year 4. Applicable staff from those facilities also met with Stormwater Program Staff in order to go over SWPPP requirements for the upcoming year.

Year 4 Goals: The City will towards developing of SWPPPs in Year 4 for City facilities. Activities will also include budget impacts and training in order to be prepared for implementation in Year 5.

BMP – 6.7 Develop Nutrient Management Plan (NMP) for Required City Sites

Summary: The City will need to identify sites over 1 acre that require an NMP. Once identified, an NMP will be developed and implemented for each site. The city will identify these sites and develop the NMPs by the end 4th year of the permit cycle (June 30, 2017). Implementation of the NMP will begin during the 5th year of the permit cycle.

Year 3 Activities: The City focused on programmatic milestones for Year 3.

Year 4 Goals: The City will identify and develop appropriate NMPs for sites which fit the requirement as a part of the program plan in order to be prepared for implementation in Year 5.

Minimum Control Measure 6 – Pollution Prevention/Good Housekeeping

BMP	Tracking Measure	Reported Number				
		2013	2014	2015	2016	2017
6.1 Street Sweeping	# of miles	3,653	1474	3410		
6.2 Pollution Prevention Training	# of personnel trained	95		61		
6.3 Yard Debris Collection Program	cubic yards	57	57	31		
	# of loads	290	290	288		
6.4 Dedicated Vehicle Wash Facility	# of vehicles washed					
	# of vehicles washed					
	# of vehicles washed					
6.5 Storm Sewer Inspection and Maintenance	# of structures inspected		80	81		
	linear feet of line inspected		5,000	5500		
6.6 Develop SWPPP for Required City Facilities	development of plans					
	development of plans					
6.7 Develop NMP for City Sites	development of plans					

Evaluation and Assessment

The City of Waynesboro is required to comply with the Annual Reporting requirements for MS-4 Communities contained in section II E.3 of the General Permit and to submit annual reports to the Department of Environmental Quality (DEQ) for the period of July 1 to June 30. A summary of those requirements is below.

- II E.3.a.3: No changes were made to departmental responsibilities.
- II E.3.a.4: The City is actively developing a storm sewer map in accordance with the DEQ approved Program Plan. No new MS4 Outfalls were installed during Permit Year 3. During the mapping exercises the City designated 150 outfalls as MS4 outfalls.
- II E.3.b: This report analyzes the effectiveness of BMP's identified by the City for MCM's 1 through 6 to address permit requirements. These practices are considered to be appropriate for meeting program goals.
- II E.3.c: No monitoring data was collected during Permit Year 3.
- II E.3.f: The City does not rely on another government entity for permit compliance
- II E.3.g: The City operates a DEQ approved ESC Program and the City's Virginia Stormwater Management Program received final approval from DEQ

Chesapeake Bay TMDL

The City is continuing its development of the TMDL Action Plan for submission with the registration statement for the second permit cycle (July 1, 2018 - June 30, 2023) by the end of this permit cycle (2018). The City has engaged with a consultant to determine the MS4 Service Area, Waste Load Allocation, high priority sites, and a Preliminary Probable Cost for Implementation in preparation for submittal of the final Action Plan in 2018.

For projects completed during this permit cycle, the City has included the acres treated and pollutant removal efficiencies for installed BMP's during the appropriate Annual Report period. The description below includes information for a project that is currently under construction.

Madison/ Ohio BMP Retrofit

The City of Waynesboro is taking a proactive approach in combining grey infrastructure improvements with the opportunity to construct green infrastructure improvements. The Jefferson Park Stormwater Management Basin project is a SLAF funded project that demonstrates this holistic approach to watershed management.

The Jefferson Park SWMB was a large, existing dry detention basin (roughly 11 acres) with a contributing drainage area of over 330 acres. As a Level 2 Constructed Wetland (spec. #13 under the BMP Clearinghouse), this stormwater management basin has the potential to offer a significant reduction in phosphorus while also offering a potential to improve flooding conditions downstream.

Construction on this project began in the late spring of 2016 and is expected to conclude in the fall of 2016.





BMP Additions

The table below represents BMPs which were added in Permit Year 3 pursuant to 9VAC25-870-126. The Latitude and Longitude coordinates provided are the points of discharge for the BMPs as provided on the plan sheets.

Date Installed	BMP Name	Practice Description	Ownership	Maintenance Agreement	Total Acres Treated	Impervious Acres Treated	Measurement Unit	County Name	State FIPS	HUC12	Receiving Stream in HUC	Impairments	Lat	Long
9/3/2015	Walmart Neighborhood	Underground detention #1	Private	Y	1.42	1.36	Acres	City of Waynesboro	51820	20700050704	South River	B32R-010-BEN B32R-02-BAC	38.07128	-78.8949
9/3/2015	Walmart Neighborhood	Underground detention #2	Private	Y	2.2	1.83	Acres	City of Waynesboro	51820	20700050704	South River	B32R-010-BEN B32R-02-BAC	38.07166	-78.8956
9/3/2015	Walmart Neighborhood	Bioretention	Private	Y	0.55	0.32	Acres	City of Waynesboro	51820	20700050704	South River	B32R-010-BEN B32R-02-BAC	38.07166	-78.8956

Responsible Parties

The departments of responsibility for implementation of MS4 program elements are included in BMP descriptions above. Contact information for each responsible party is located below:

Executive Officer

Title: City Manager
Name: Michael G. Hamp II
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Program Management

Engineering Division

Title: City Engineer
Name: Todd Wood, P.E.
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Waynesboro, VA 22980
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Department of Parks & Recreation

Title: Director
Name: C. Dwayne Jones
Address: 413 Port Republic Road
Waynesboro, VA 22980
Phone: 540-942-6735
Email: jonescd@ci.waynesboro.va.us

Department of Public Works

Title: Director
Name: Brian McReynolds, P.E.
Address: 941 Fir St.
Waynesboro, VA 22980
Phone: 540-942-6624
Email: publicworks @ci.waynesboro.va.us