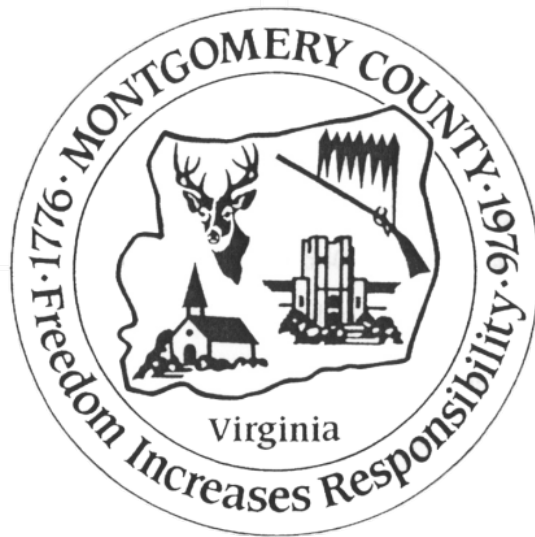


**Montgomery County**  
**Municipal Separate Storm Sewer System (MS4)**  
**VPDES Permit No. VAR040134**  
**Year 3 Annual Report**



**Coverage Issued: May 21, 2014**  
**Reporting Period: July 1, 2016 through June 30, 2017**

Prepared by:  
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Date: September 29, 2017

## Background Information

This document serves as the annual report for the reporting period of July 1, 2016 through June 30, 2017 for Montgomery County, Virginia General Permit No. VAR040134 (effective May 21, 2014 – June 30, 2018).

Modifications to roles and responsibilities as described in the County's Program Plan are listed in the plan as revised September 29, 2017. The following staffing information is noteworthy with regard to the County's commitment to MS4 permit compliance. The County Engineer/Director of Environmental Services position was vacated during the permit year and the new Director assumed the position in December of 2016. The Director and County Administration identified a lack of MS4 support staff positions under the Director position and budgeted for a Stormwater Specialist position in support of the MS4 and VSMP programs. This position was filled on September 1, 2017. Additionally, the responsibilities of the Building Inspections and Environmental Services Program Assistant have been expanded to support MS4 program compliance. These staffing measures provide measurable increases to the resources available towards the County's MS4 compliance efforts.

The annual report addresses the requirements of the MS4 Permit. In particular, target audiences are established for each water quality issue and are listed in both the Program Plan and in this report. Revisions to BMPs are described in the body of the annual report based upon evaluations made upon the end of the third reporting year. Each BMP section addresses permit condition II.E.3.b with an assessment of the BMP and the progress in meeting identified measurable goals for each minimum control measure. Specific actions and activities are proposed where progress towards BMP and Program Plan goals were determined to not meet measurable goals.

New MS4 outfalls and associated acreage by HUC were added during the permit year as mapping of all known MS4 outfalls was completed. 100% of the 65 identified outfalls were inspected. No monitoring data was collected during the 2016-2017 permit year 3.

### CERTIFICATION

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



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County Administrator

9/28/17

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Date

VAR040134

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Permit Number

Montgomery County, VA

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MS4 Name

## Minimum Control Measure Implementation

### MCM 1: PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS

This minimum control measure is intended to implement a diverse public education program to increase target audience knowledge about the steps that can be taken to reduce stormwater pollution and hazards associated with illegal discharges and improper disposal of waste.

#### Annual Reporting Requirements

1. Identification of three (3) high-priority water quality issues that contribute to the discharge of stormwater and a rationale for the selection of the three high-priority water quality issues.
  - i. *Bacteria*
  - ii. *Nutrients (Nitrogen and Phosphorous)*
  - iii. *Sediment*

2. Identification and estimation of the population size of the target audience or audiences who is most likely to have significant impacts for each high-priority water quality issue.

*The target audience information presented has been developed after the completion of permit year 3. This delay was due to the continuing personnel changes and other commitments of existing staff that the County feels is now addressed as discussed in the staff changes outlined in the Background information section above.*

*The following target audience selection is based on an evaluation of appropriate target audiences as well as the progress in developing the year 3 MCM 1 Public Education and Outreach program elements and MCM 2 Public Involvement/Participation activities that county staff executed in permit year 3. The rationales for the selections are provided in the updated Program Plan.*

- i. *Bacteria*
    - a. *Target Audience: 98,602 persons and 35,199 households of the County*
  - ii. *Nutrients (Nitrogen and Phosphorous)*
    - a. *Target Audience: 98,602 persons and 35,199 households of the County*
  - iii. *Sediment*
    - a. *Target Audience: Montgomery County School System sixth grade student population*
3. Development of relevant message or messages and associated educational and outreach materials for message distribution to the selected target audiences while considering the viewpoints and concerns of the target audiences including minorities, disadvantaged audiences, and minors.

*The messaging for water quality issues #1 and #2 was developed through printed materials and giveaway items (Pet waste bag dispensers for distribution at public events to be paired with pet waste informational sheets). Relevant messaging for water quality issue #3 was developed by MCPS in the form of evaluations before and after attendance at the completed Stormwater Education Days.*
4. Public participation during public education and outreach program development.

Refer to BMPS 1-1 and 1-2.

5. Summary of annual education and outreach activities designed to reach an equivalent 20% of each high-priority issue target audience.

*The distributions of printed material were the MCM 1 activities designed to reach 20% of the target audience for water quality issues #1 and #2. Relevant messaging to reach 20% of the target audience for water quality issue #3 was developed by MCPS in the form of evaluations before and after attendance at the Stormwater Education Days.*

6. Adjustment of target audiences and messages including educational materials and delivery mechanisms to reach target audiences in order to address any observed weaknesses or shortcomings.

*Target audiences have now been established. The selected target audience of the entire County for water quality issues #1 and #2 lends support to the desire to collaborate with the town MS4 programs. Direct mail of material to a large audience, as well as coordination of messaging during multiple events where printed materials and giveaways are distributed should reach an acceptable segment of the target audience. Electronic media will continue to be used as a messaging mechanism, although current participation numbers are minimal in comparison to the target audience. MCPS staff is highly satisfied with the water quality issue #3 audience outreach and an expanded program attempting to reach all four middle schools in the school system are planned for permit year 4, pending volunteer availability for the required number of events.*

7. A list of the education and outreach activities conducted during the reporting period for each high-priority water quality issue, the estimated number of people reached, and an estimated percentage of the target audience or audiences that will be reached.

*See BMP 1-2, 1-3, and 2-3*

A list of the education and outreach activities that will be conducted during the next reporting period for each high-priority water quality issue, the estimated number of people that will be reached, and an estimated percentage of the target audience or audiences that will be reached. *See BMP 1-2, 1-3, and 2-3*

### **BMP 1-1: Montgomery County Stormwater Management Website**

Develop a Montgomery County Stormwater Management website, where citizens can obtain information regarding the County's Stormwater Management Program, ordinances, design guidelines, general information, contact information, pollution prevention information, educational programs and links to other organizations and sites. The website will also inform the citizens about on-going community based projects.

#### **Measureable Goals Achieved in Reporting Year**

Stormwater management web page is located on County's website covering construction pollution, MS4 permit, stormwater reporting, and the stormwater ordinance.

<http://www.montgomerycountyva.gov/content/15989/16023/16945/default.aspx>

#### **Annual Reporting Requirements**

- |                              |                                   |
|------------------------------|-----------------------------------|
| 1. Estimated number of views | 471                               |
| 2. Most popular material     | MS4 Permit (73 views)             |
| 3. Least popular material    | Construction Pollution (29 views) |

The website will be updated to a more appealing format and to better address the customers stormwater concerns and needs.

**BMP 1-2: Stormwater Education Program (Water Quality Issue #3)**

Develop a stormwater educational program for Montgomery County school age children. Educators will develop and provide programs addressing storm water and related water quality issues. Different programs will target appropriate grade levels and will be SOL correlated.

**Measureable Goals Achieved in Reporting Year**

The Director of Environmental Services/County Engineer coordinated with the Town of Christiansburg, Town of Blacksburg, and the Montgomery County Public Schools to develop and facilitate two Stormwater Education days for MPCPS 6<sup>th</sup> Graders during the school year.

**Annual Reporting Requirements**

- Summary of educational program.  
*80 Shawsville Middle School 6<sup>th</sup> grade students, 10 presenters, 4 teachers, and 10 additional adult attendees participated in the September 23, 2016 Stormwater Education day.*

*240 Christiansburg Middle School 6<sup>th</sup> grade students, 27 presenters, 9 morning and 9 afternoon chaperones, and 10 additional adult attendees participated in the April 24, 2017 Stormwater Education day.*

*Approximately 43% of the 2015-2016 sixth grade class attended the two stormwater days.*

*MCPS developed evaluation criteria that serve as MCM1 education materials:*

*Pre evaluation link <https://goo.gl/forms/H64CLvUcV9oUex9M2>*

*Pre evaluation results [https://docs.google.com/forms/d/1AAR8Liw6EZcnkeBBKsZZ8csDG\\_d4CfkdqCNPcef7HYM/viewanalytics](https://docs.google.com/forms/d/1AAR8Liw6EZcnkeBBKsZZ8csDG_d4CfkdqCNPcef7HYM/viewanalytics)*

*Post evaluation link <https://goo.gl/forms/ytPbOfSGU8UNER073>*

*Post evaluation results <https://docs.google.com/forms/d/1aMVI83VTIA3uft1-dZl8RI6jRhWCnAFlfNOBIF6LFAc/viewanalytics>*

*Virginia Water Radio created an episode with the CMS student <http://www.virginiawaterradio.org/2017/04/episode-365-4-24-17-wheres-stormwater.html>.*

*The day included instruction on stormwater runoff and watersheds, types of pollution, stream table demonstrations of bank instability, karst conditions in our area, erosion and sediment controls, explanations of how different land conditions effect runoff, etc.*

2. Summary of future program goals. *Schedule Stormwater Education days for all MPCS 6<sup>th</sup> Graders in permit year 4. Sessions are tentatively scheduled for November 3, 2017, April 6, 2018, and April 13, 2018.*

### **BMP 1-3: Bacteria and Nutrients Education and Outreach (Water Quality Issues #1 and #2)**

#### **Measureable Goals Achieved in Reporting Year**

The county provided printed educational materials through mailings inserted into tax billing statements, informational brochures at government offices, and information provided in conjunction with giveaway items. Residents and households reached through the direct mailing inserted with tax billing statements exceeded 20% of the target audience.

#### **Annual Reporting Requirements**

1. Note that copies of the following materials and/or purchasing receipts are provided in Appendix 1-3.

26,941 copies of Montgomery County Today, Spring 2017 Issue were distributed. This educational newsletter was a two sided 8.5x11 color mailer with one side devoted to "Wonderful Water Conservation. Protection. Quality" and is contained in Appendix 1-3. Copies were inserted into personal property taxes notices mailed on May 3, 2017 to county residents for the tax installment due June 5, 2017.

500 copies of "Help Protect our Stormwater"- A two sided 8.5x14 pamphlet that reiterates the messages from the spring 2017 Montgomery County Today mailer were printed. These informational brochures are distributed throughout the county services building for public consumption.

1,000 "Scoop the Poop!" magnets with link to the [www.montva.com/gogreenmc](http://www.montva.com/gogreenmc) green government campaign were printed. Approximately 300 were distributed at the county Animal Care and Adoption Center grand opening on April 29, 2016.  
<https://www.montgomerycountyva.gov/acac>

Approximately 300 "Scoop the Poop!" 4.25x5.5 quarter page information sheets that discusses the hazards of pet waste and encourages clean up were distributed along with 300 pet waste bag dispensers for attachment to pet leashes.

DCR publication "A Virginians Year Round Guide to Lawn care" was made available at the March 2017 New River Valley Homebuilders Show.

2. Mailer inserts will be employed with the June 2018 tax bill mailings. Additional BMP 1-3 printed educational material will be included in the Montgomery County Park and Recreation Department "Go Play" activity catalog. Printed materials will continue to be made available at government offices and at public participation events.

## **MCM 2: PUBLIC INVOLVEMENT/PARTICIPATION**

This minimum control measure is intended to implement a program that helps to inform and educate County residents.

### **Annual Reporting Requirements**

1. Update the MS4 Program Plan a minimum of once a year. *Refer to BMP 2-1.*
2. Post copies of the annual report on the website. *Refer to BMP 2-1.*
3. Participate in a minimum of four (4) local activities annually. *Refer to BMP 2-2 and 2-3.*

### **BMP 2-1: Montgomery County MS4 Program Plan and Annual Reports Posted to Stormwater Website**

The Montgomery County's MS4 Program Plan and annual reports are posted to the Stormwater Management website, where citizens can provide review and comment.

### **Measureable Goals Achieved in Reporting Year**

The Director of Environmental Services/County Engineer worked with the Public Information office and the Stormwater Specialist to update and post the permit, program plan, and annual report(s) to the stormwater management website.

### **Annual Reporting Requirements**

1. Update the MS4 Program Plan a minimum of once a year. *The MS4 Program Plan was updated; refer to Attachment 2-1.*
2. Post copies of the annual report on the website. *Web link to the MS4 Program plan and annual report web page:*  
<http://www.montgomerycountyva.gov/content/15989/16023/16945/default.aspx>

### **BMP 2-2: MS4 Annual Report to Board of Supervisors**

Provide an annual update to the Montgomery County Board of Supervisors.

### **Measureable Goals Achieved in Reporting Year**

No update was provided to the Board of Supervisors during the permit year. Participation at the County Animal Care and Adoption Center grand opening on April 29, 2016 was substituted as an additional outreach event.

### **Annual Reporting Requirements**

The year 3 requirement was met through substitution of another event. Staff will provide the required update to the Board of Supervisors within the 2017-2018 year 4 reporting year.



### **BMP 2-3: Annual Local Outreach Activities**

Develop a plan with the Town of Blacksburg, Town of Christiansburg, City of Radford, Radford University and/or Virginia Tech to participate in up to four (4) local outreach activities, including the annual update to the Board of Supervisors.

#### **Measureable Goals Achieved in Reporting Year**

Five (5) local outreach activities were conducted. The county Animal Care and Adoption Center grand opening on April 29, 2016 was substituted for the annual Board of Supervisors annual update.

#### **Annual Reporting Requirements**

1. The county Animal Care and Adoption Center grand opening on April 29, 2016 was attended by approximately 300 persons based on reports from the care center staff conducting tours of the new building. Photo documentation can be accessed at: <https://www.montgomerycountyva.gov/acac>  
County staff participated in this event and supplied educational materials as described in MCM 1.

80 Shawsville Middle School 6<sup>th</sup> grade students, 10 presenters, 4 teachers, and 10 additional adult attendees participated in the September 23, 2016 Stormwater Education day. Staff from the County, Virginia Tech, Christiansburg, and Blacksburg participated in this event and MCPS supplied educational materials as described in MCM 1.

240 Christiansburg Middle School 6<sup>th</sup> grade students, 27 presenters, 9 morning and 9 afternoon chaperones, and 10 additional adult attendees participated in the April 24, 2017 Stormwater Education day. Staff from the County, Virginia Tech, Christiansburg, and Blacksburg participated in this event and MCPS supplied educational materials as described in MCM 1.

1462 adults and an unknown number of children attended the 2017 New River Valley Homebuilders Association Expo on March 10-12, 2017. Staff from the County, Virginia Tech, Christiansburg, and Blacksburg participated in this event and provided stormwater themed children's coloring pages, the DCR "A Virginians Year Round Guide to Lawn care" publication, and answered questions from the public on stormwater issues.

The county Broomin' and Bloomin' cleanup event was held on April 22, 2017. 118 total participants from 20 total groups participated. In the 2017 event the participants collected 0.86 tons of litter along approximately 41 miles of roads during the event.

2. Summary of the three (3) events. *A minimum four (4) events are planned for permit year four (2017-2018) from among the following:*

August 26, 2017 Renew the New River cleanup

November 3, 2017 Stormwater Education Day

Annual update to the Montgomery County Board of Supervisors

March 2018 New River Valley Homebuilders Expo

April 2018 Broomin' and Bloomin' Cleanup

April 6, 2018 Stormwater Education Day

April 13, 2018 Stormwater Education Day

### **MCM 3: ILLICIT DISCHARGE DETECTION AND ELIMINATION**

This minimum control measure is intended to detect and eliminate illicit discharges to the MS4 storm system.

#### **Annual Reporting Requirements**

1. A list of any written notifications of physical interconnection given by the operator to other MS4s. *Refer to BMP 3-3.*
2. The total number of outfalls screened during the reporting period, the screening results, and detail of any follow-up actions necessitated by the screening results. *Refer to BMP 3-3.*
3. A summary of each investigation conducted by the operator of any suspected illicit discharge. The summary must include: (i) the date that the suspected discharge was observed, reported, or both; (ii) how the investigation was resolved, including any follow-up, and (iii) resolution of the investigation and the date the investigation was closed. *Refer to BMP 3-3.*

#### **BMP 3-1: Storm Sewer and Outfall Map and Database**

Develop, maintain, and update a Storm Sewer and Outfall Map and Database to include the following information as required by the MS4 General Permit (9VAC25-890-40).

#### **Measureable Goals Achieved in Reporting Year**

As per the MS4 Program Plan, 100% of the MS4 outfalls were mapped and a database was created by June 2017;

#### **Annual Reporting Requirements**

Status of the outfall map and database development, including any schedule updates and documentation of property transfers that may have occurred since the prior annual report: *An outfall map and database were prepared.* <http://arcg.is/1Cj8Hn>

**BMP 3-2: Illicit Discharge Ordinance**

Establish a program to detect and eliminate illicit discharges in to the Municipal Separate Storm Sewer System by developing and adopting regulations and an enforcement program to prevent illegal discharges into the MS4 storm drain system.

**Measureable Goals Achieved in Reporting Year**

The Illicit Discharge Ordinance was drafted and public hearing was held on June 9, 2015.  
The Illicit Discharge Ordinance was approved by the Board of Supervisors on June 22, 2015.

**Annual Reporting Requirements:**

Status of ordinance development and adoption. *The Illicit Discharge Ordinance was drafted and public hearing was held on June 9, 2015. Board of Supervisors approved the ordinance on June 22, 2015.*

**BMP 3-3: Illicit Discharge Program**

Develop, implement, and enforce a program to detect and eliminate illicit discharges, as defined in the MS4 General Permit (9VAC25-890-40).

**Measureable Goals Achieved in Reporting Year**

The Director of Environmental Services/County Engineer implemented a program that efficiently and effectively meets the MS4 General Permit Requirements.

**Annual Reporting Requirements**

1. Status of the illicit discharge program development, including any schedule updates and a list of physical interconnection given by the operator to other MS4s. *The illicit discharge program was previously developed by the County. Current known physical interconnections occur with the Town of Christiansburg, Town of Blacksburg, and VDOT. Two interconnections from the Town of Christiansburg were noted by letter in the 2016/2017 reporting period.*
2. Summary of outfalls screened during the reporting period. *The outfall mapping was completed in 2016, all outfalls were screened during this annual reporting period. Outfall number 56 was identified as requiring headwall and pipe alignment maintenance. This outfall is located on MCPS property. County staff will coordinate with MCPS staff to determine a schedule for repairs.*
  - a. Total number of outfalls screened. *65*
  - b. Screening results *One headwall maintenance issue, April 5, 2017*
  - c. Details of follow-up actions, if any. *Coordinate with MCPS*
3. A summary of each investigation conducted by the operator of any suspected illicit discharge. *There were no suspected illicit discharges in the reporting year.*

#### **MCM 4: CONSTRUCTION SITE STORMWATER RUNOFF CONTROL**

This minimum control measure is intended to reduce pollutants in stormwater runoff from land disturbing activities to the MS4 storm system.

##### **Annual Reporting Requirements**

- |                                                                  |              |
|------------------------------------------------------------------|--------------|
| 1. Total number of regulated land-disturbing activities          | 138          |
| 2. Total number of acres disturbed                               | 168.51 acres |
| 3. Total number of inspections conducted                         | 529          |
| 4. Total number of enforcement actions taken                     | 16           |
| 5. Type of enforcement actions taken during the reporting period |              |

Notice to Comply (10)

Notice of Corrective Action (2)

Stop Work Order (4)

#### **BMP 4-1: Erosion and Sediment Control Program Update**

Update the existing Erosion and Sediment Control Ordinance and associated documents including written plan review procedures, written inspection procedures and schedule, written compliance and enforcement, certification of staff, and definition of roles and responsibilities procedures to comply with the requirements of the MS4 General Permit.

##### **Measureable Goals Achieved in Reporting Year**

The Director of Environmental Services/County Engineer drafted an update of the Erosion and Sediment Control Ordinance and program, including specifics regarding steep slope development.

##### **Annual Reporting Requirements**

Summary of tasks completed to date and updated schedule, as needed, for the erosion and sediment control program update. *The Director of Environmental Services/County Engineer provided an update to the program on July 25, 2016 and the revised ordinance was approved on September 12, 2016.*

**BMP 4-2: Erosion and Sediment Control Tracking and Reporting**

Develop a tracking and reporting mechanism for regulated land-disturbing activities to provide the required reporting in all subsequent annual reports.

**Measureable Goals Achieved in Reporting Year**

The Director of Environmental Services/County Engineer developed a current and accurate database of regulated land-disturbing activities.

**Annual Reporting Requirements**

1. Status of the tracking and reporting program development including tasks completed to date and schedule updates. *A tracking and reporting program – Montgomery Permitting and Inspections Portal – is currently being used to track land-disturbing activities. The Program Assistant will keep an excel database current to simplify end of year reporting.*
2. Upon completion of the program development, provide information regarding the total number of regulated land-disturbing activities, total number of acres disturbed, total number of inspections completed; and summary of enforcement actions taken, including the total number and type of enforcement actions taken during a reporting period. *Refer to information above in MCM 4.*

## **MCM 5: POST-CONSTRUCTION STORMWATER MANAGEMENT IN NEW DEVELOPMENT AND DEVELOPMENT ON PRIOR DEVELOPED LANDS**

This minimum control measure is intended to reduce pollutants in stormwater runoff from developed properties to the MS4 storm system.

### **Annual Reporting Requirements**

1. Provide a summary of the electronic database of all known operator-owned and privately-owned stormwater management facilities that discharge into the MS4. *Refer to BMP 5-2.*
2. Submit an electronic database or spreadsheet of all stormwater management facilities brought online during each reporting year with the appropriate annual report. *Refer to BMP 5-2.*

### **BMP 5-1: Stormwater Management Ordinance and Manual**

Develop, adopt, and enforce an ordinance and policies and procedures manual requiring stormwater quality and quantity controls for applicable land-disturbing activities in compliance with state and federal regulations and with the requirements of the MS4 General Permit.

#### **Measureable Goals Achieved in Reporting Year**

The stormwater ordinance and a policies and procedures manual to prevent or minimize water quality and quantity impacts from new or re-developments were adopted and implemented by July 1, 2014.

#### **Annual Reporting Requirements**

Summarize the status of the ordinance and manual development and evaluation. *The stormwater ordinance and manual have been adopted and implemented.*

### **BMP 5-2: Stormwater Management Tracking and Reporting System**

Develop and maintain a database of all known operator-owned and privately-owned stormwater management facilities that discharge into the MS4 storm system for tracking and reporting.

#### **Measureable Goals Achieved in Reporting Year**

An electronic database for BMP inspection schedules was previously developed to meet the requirements of the MS4 General Permit.

#### **Annual Reporting Requirements**

Submit an electronic database of all stormwater management facilities, including those completed during each reporting year, with the annual report. *One new BMP was made operational. Refer to Attachment 5-2.*

**BMP 5-3: Individual Lot Special Criteria**

Develop and implement strategies other than maintenance agreements such as periodic inspections, homeowner outreach and education, and other methods targeted at promoting the long-term maintenance of stormwater control measures that are designed to treat stormwater runoff solely from the individual residential lot.

**Measureable Goals Achieved in Reporting Year**

Individual Lot Special Criteria has been developed.

**Annual Reporting Requirements**

Provide information regarding strategies employed, the means of advertisement, location of the event, and the number of citizens reached. *No individual lot practices have been specified without a maintenance agreement in place, therefore no information is provided in this annual reporting period.*



## **MCM 6: POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS**

This minimum control measure is intended to reduce pollutants in stormwater from daily operations and maintenance activities and municipal facilities, and from turf and landscape areas.

### **Annual Reporting Requirements**

1. A summary report on the development and implementation of the daily operational procedures. *Refer to BMP 6-2.*
2. A summary report on the development and implementation of the required SWPPPs. *Refer to BMP 6-3.*
3. A summary report on the development and implementation of the turf and landscape nutrient management plans. *Refer to BMP 6-4.*
4. A summary report on the required training, including a list of training events, the training date, the number of employees attending training and the objective of the training. *Refer to BMP 6-4.*

### **BMP 6-1: Household Hazardous Waste Event**

Expand current program and encourage citizen participation in events to dispose of household materials that could be hazardous to dispose of in bulk landfills.

#### **Measureable Goals Achieved in Reporting Year**

The Montgomery Regional Solid Waste Authority transitioned to monthly hazardous waste collection schedule therefore twelve events were held through the year.

#### **Annual Reporting Requirements**

Since December 2014, the Montgomery Regional Solid Waste Authority has held monthly collection events at its permanent household hazardous waste facility located at 555 Authority Drive in Christiansburg, Virginia. These events are open to residents of the Town of Blacksburg, Town of Christiansburg, and Montgomery County.

**BMP 6-2: Municipal Good Housekeeping Procedures**

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.

**Measureable Goals Achieved in Reporting Year**

Written procedures were developed this annual reporting period.

**Annual Reporting Requirements**

Summarize the status of the good housekeeping procedures development including tasks completed to date and schedule updates. *Municipal Good Housekeeping Procedures were developed in the previous permit year.*

**BMP 6-3: Municipal SWPPPS**

Develop and update SWPPPS for high-priority municipal facilities, including a training program. Each facility will be evaluated for the potential of illicit discharges from storage yards, outdoor storage areas, waste transfer stations, fleet or maintenance shops and other municipal facilities. The disposal method for waste materials will be evaluated. Any operation that has potential to discharge material into the municipal separate storm sewer system will be examined for potential for unwanted discharge.

**Measureable Goals Achieved in Reporting Year**

Four (4) high-priority facilities were identified within the current MS4 boundary.

- (1) MCPS Facilities Department
- (2) Christiansburg High School
- (3) Christiansburg Middle School
- (4) Elliston Industrial Park

**Annual Reporting Requirements**

Summarize the status of the SWPPP development, including name and location of facilities where the plans are completed, in progress, and yet to be started, and schedule updates. *The high-priority facilities were identified; a SWPPP was prepared for the MCPS Facilities Department (permit year 2), Christiansburg High School and Christiansburg Middle School. The County intends to develop future SWPPPS as per the following schedule.*

<u>Site</u>	<u>Scheduled Completion</u>
<i>Elliston Industrial Park</i>	<i>June 2018</i>

**BMP 6-4: Municipal Nutrient Management Plans**

Develop and implement Nutrient Management Plans on all required lands as per the schedule provided in 9VAC25-890-40.

**Measurable Goals Achieved in Reporting Year**

Twelve (12) applicable lands within the current MS4 boundary were identified.

- (1) Blacksburg Middle/High School
- (2) Christiansburg High School
- (3) Christiansburg Middle School
- (4) Old Christiansburg Middle School
- (5) Christiansburg Primary School
- (6) Falling Branch Elementary School
- (7) Prices Fork Elementary School
- (8) Gilbert Linkous Elementary School
- (9) Harding Ave. Elementary School
- (10) Margaret Beeks Elementary School
- (11) Old Blacksburg High School
- (12) Old Blacksburg Middle School

**Annual Reporting Requirements**

- 1. Status of the program development and implementation. *Twelve (12) applicable lands within the current MS4 boundary were identified. The County has modified the original schedule as follows:*

	<u>Site</u>	<u>Scheduled Completion</u>
(1)	<i>Blacksburg Middle/High School</i>	<i>June 2018</i>
(2)	<i>Christiansburg High School</i>	<i>June 2018</i>
(3)	<i>Christiansburg Middle School</i>	<i>June 2018</i>
(4)	<i>Old Christiansburg Middle School</i>	<i>June 2018</i>
(5)	<i>Christiansburg Primary/Elementary School</i>	<i>June 2018</i>
(6)	<i>Falling Branch Elementary School</i>	<i>June 2018</i>
(7)	<i>Prices Fork Elementary School</i>	<i>June 2019</i>
(8)	<i>Gilbert Linkous Elementary School</i>	<i>June 2019</i>
(9)	<i>Harding Ave. Elementary School</i>	<i>June 2019</i>
(10)	<i>Margaret Beeks Elementary School</i>	<i>June 2019</i>
(11)	<i>Old Blacksburg High School</i>	<i>June 2019</i>
(12)	<i>Old Blacksburg Middle School</i>	<i>June 2019</i>

- Total acreage of lands where turf and landscape nutrient management plans are required.

	<u>Site</u>	<u>Acres</u>
(1)	<i>Blacksburg Middle/High School</i>	<i>44.2</i>
(2)	<i>Christiansburg High School</i>	<i>18.9</i>
(3)	<i>Christiansburg Middle School</i>	<i>15.5</i>
(4)	<i>Old Christiansburg Middle School</i>	<i>9.5</i>
(5)	<i>Christiansburg Primary/Elementary School</i>	<i>21.0</i>
(6)	<i>Falling Branch Elementary School</i>	<i>13.8</i>
(7)	<i>Prices Fork Elementary School</i>	<i>8.7</i>
(8)	<i>Gilbert Linkous Elementary School</i>	<i>6.0</i>
(9)	<i>Harding Ave. Elementary School</i>	<i>3.7</i>
(10)	<i>Margaret Beeks Elementary School</i>	<i>8.7</i>
(11)	<i>Old Blacksburg High School</i>	<i>12.9</i>
(12)	<i>Old Blacksburg Middle School</i>	<u><i>16.5</i></u>

**Total Acres: 179.4**

- Acreage of lands upon which turf and landscape nutrient management plans have been implemented. *None during this reporting period.*

**BMP 6-5: Municipal Training Program**

Develop an annual written training plan including a schedule of training events that ensures implementation of the training requirements of the MS4 Permit.

**Measureable Goals Achieved in Reporting Year**

An annual written training plan was developed; refer to Attachment 6-5.

**Annual Reporting Requirements**

- Summary of required training events – *Training events were not conducted during the reporting period, due to personnel changes and other commitments of existing staff. The Public Service Authority was contacted to schedule training. After discussion with the Authority it has been established that the Authority is a separate legal entity with independent funding and therefore was misidentified as a candidate for training under this program*
- The County’s goal in the next reporting period is to conduct training sessions by June 30, 2018 for the following groups:*
  - MCPS Facilities Staff*
  - County Inspectors*
  - Parks and Recreation Staff*
  - Fire and Rescue Departments*

## **OTHER MS4 PERMIT REPORTING REQUIREMENTS**

- A. Permit Condition II.E.3.c: Results of information collected and analyzed, including monitoring data, if any, during the reporting period. *No additional information was collected and/or analyzed.*
- B. Permit Condition II.E.3.d: A summary of the stormwater activities the operator plans to undertake during the next reporting cycle. *Refer to Minimum Control Measures discussion above.*
- C. A change in any identified best management practices or measurable goals for any of the minimum control measures including steps to be taken to address any deficiencies. *Refer to updated MS4 Program Plan; see Attachment 2-1.*
- D. Notice that the operator is relying on another government entity to satisfy some of the state permit obligations (if applicable). *This will be addressed with a MOU with adjoining MS4 agencies.*
- E. The approval status of any programs pursuant to Section II.C of the general permit (if appropriate), or the progress towards achieving full approval of these programs. *Refer to Minimum Control Measures discussion above.*
- F. Information required for any applicable TMDL special condition contained in Section I of the general permit. *Not applicable.*

## **ATTACHMENT INDEX**

- 1-1 MS4 Webpage Report
- 1-2 Stormwater Education Day Documentation
- 1-3 Bacteria and Nutrients Education and Outreach Documentation
- 2-1: MS4 Program Plan
- 2-3: Annual Local Outreach Activities Documentation
- 5-2: Database of stormwater management facilities completed during the reporting year
- 6-5: Municipal Training Program