

Millbrook HS/Redbud Run ES - Small MS4 Annual Report

3. *Annual Reports. The operator must submit an annual report for the reporting period of July 1 through June 30 to the department by the following October 1 of that year. The reports shall include:*
- a. *Background Information*
 - (1) *The name and state permit number of the program submitting the annual report;*
Frederick County Public Schools, Millbrook High School/Redbud Run Elementary School Campus-#VAR040113
 - (2) *The annual report permit year;*
Permit year: 2018-2019
 - (3) *Modifications to any operator's department's roles and responsibilities;*
No modifications have been made.
 - (4) *Number of new MS4 outfalls and associated acreage by HUC added during the permit year;*
No new MS4 outfalls have been added.
 - (5) *Signed certification;*
Certification is attached.
 - b. *The status of compliance with state permit conditions, an assessment of the appropriateness of the identified best management practices and progress towards achieving the identified measurable goals for each of the minimum control measures;*
The assessment of BMP's is included in the chart titled "Item B"
 - c. *Results of information collected and analyzed, including monitoring data, if any, during the reporting period;*
Information collected and results are included in the appendices of this report.
 - d. *A summary of the stormwater activities the operator plans to undertake during the next reporting cycle;*
A summary of the stormwater activities is included in the chart titled "Items D & E".
 - e. *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;*
A summary of the BMP's is included in the chart titled "Items D & E".
 - f. *Notice that the operator is relying on another government entity to satisfy some of the state permit obligations (if applicable);*
Some obligations are satisfied through a "Cooperative Use Agreement" with the Frederick County Parks and Recreation Department.
 - g. *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;*
There are no applicable programs.
 - h. *Information required for any applicable TMDL special condition contained in Section I of the general permit;*

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	Best Management Practice (BMP)	Status of Compliance	Assessment of Appropriateness	Progress toward Measureable Goals
MCM 1 Public Education and Outreach on Stormwater Impacts	BMP 1.1-School Curriculum	Yes	62.7 % of the student population at both facilities are enrolled in relevant science classes.	Measureable goals have been met.
MCM 1 Public Education and Outreach on Stormwater Impacts	BMP 1.2-School Newsletters	Yes	The estimated number of people reached is approximately 6634 with 100% of the targeted audience reached as newsletter are sent as email links to students, staff, etc.	Measureable goals have been met.
MCM 1 Public Education and Outreach on Stormwater Impacts	BMP 1.3-School Websites	Yes	2.59% of the targeted audience was reached based on the number of page views the sites received. Websites have been reviewed and no changes were required.	Measureable goals have been met.
MCM 2 Public Involvement/ Participation	BMP 2.1-MS4 Program Plan	Yes	No public comments were received; plan revisions are listed in the BMP appendix.	Measureable goals have been met.
MCM 2 Public Involvement/ Participation	BMP 2.2-MS4 Annual Report	Yes	Link to annual reports are present on all sites. The 2017-2018 Annual MS4 Report was posted on October 4, 2018	Measureable goals have been met.
MCM 2 Public Involvement/ Participation	BMP 2.3-Activity Participation	Yes	Documents submitted are appropriate for BMP.	Measureable goals have been met.
MCM 3 Illicit Discharge Detection and Elimination	BMP 3.1-Storm Drain Map	Yes	One new BMP has been added per the Chesapeake Bay TMDL. The storm drain map has been updated.	Measureable goals have been met.

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	Best Management Practice (BMP)	Status of Compliance	Assessment of Appropriateness	Progress toward Measureable Goals
MCM 3 Illicit Discharge Detection and Elimination	BMP 3.2-Illicit Discharge Screening	Yes	Three quarterly inspections were conducted at both sites. Sites were reminded that four (4) inspections need to be conducted during the reporting year.	Measureable goals have been met.
MCM 3 Illicit Discharge Detection and Elimination	BMP 3.3-Illicit Discharge Reporting	Yes	No illicit discharges reported for the 2018-2019 reporting period.	Measureable goals have been met.
MCM 4 Construction Site Stormwater Runoff Control	BMP 4.1-Erosion and Sediment Control Design	Yes	No construction projects on campus	Measureable goals have been met.
MCM 4 Construction Site Stormwater Runoff Control	BMP 4.2-Erosion and Sediment Control for Construction	Yes	No construction project on campus	Measureable goals have been met
MCM 4 Construction Site Stormwater Runoff Control	BMP 4.3-Erosion and Sediment Control for Small Projects	Yes	Manufactured Hydrodynamic BMP-Area F has been added.	Measureable goals have been met.
MCM 4 Construction Site Stormwater Runoff Control	BMP 4.4-Clerk of the Works for VSMP Projects	Yes	FCPS has a Clerk of Works; however no construction projects occurred in 2018-2019 reporting year.	Measureable goals have been met.
MCM 4 Construction Site Stormwater Runoff Control	BMP 4.5-Public Reporting of Erosion and Sediment Control Issues	Yes	Reporting mechanism is available. No erosion issues were reported.	Measureable goals have been met.
MCM 5 Post-Construction Stormwater Management in New Development and Development on Prior Developed Lands	BMP 5.1-Stormwater Management Facilities Design	Yes		Measureable goals have been met.

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	Best Management Practice (BMP)	Status of Compliance	Assessment of Appropriateness	Progress toward Measureable Goals
MCM 5 Post-Construction Stormwater Management in New Development and Development on Prior Developed Lands	BMP 5.2-Stormwater Management Facilities Inspections and Inventory	Yes		Measureable goals have been met.
MCM 5 Post-Construction Stormwater Management in New Development and Development on Prior Developed Lands	BMP 5.3-Stormwater Management Facilities Inspections and Maintenance	Yes	Inspections have been completed. No maintenance projects were required.	Measureable goals have been met.
MCM 6 Pollution Prevention/Good Housekeeping for Facility Operations	BMP 6.1-Operations and Maintenance	Yes	No changes to database.	Measureable goals have been met.
MCM 6 Pollution Prevention/Good Housekeeping for Facility Operations	BMP 6.2-Nutrient Management	Yes	Updated Nutrient Plan is in place.	Measureable goals have been met.
MCM 6 Pollution Prevention/Good Housekeeping for Facility Operations	BMP 6.3-Training Programs	Yes	Not all agencies involved did annual training in the 2018-2019 reporting year; however training will be done in the upcoming year with appropriate staff.	Measureable goals were not met; responsible parties were notified.

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Minimum Control Measure (MCM)	Best Management Practice (BMP) For 2018-2019	Best Management Practice (BMP) For 2019-2020	Summary of Changes	Stormwater Activities for 2018-2019
MCM 1 Public Education and Outreach on Stormwater Impacts	BMP 1.1-School Curriculum	BMP 1.1-School Curriculum	Unchanged	List the relevant science classes; track number of students and calculate the total percentage of student population enrolled in classes
MCM 1 Public Education and Outreach on Stormwater Impacts	BMP 1.2-School Newsletters	BMP 1.2-School Newsletters	Unchanged	Four newsletters will be distributed throughout the reporting year.
MCM 1 Public Education and Outreach on Stormwater Impacts	BMP 1.3-School Websites	BMP 1.3-School Websites	Unchanged	Update stormwater section and track the number of visits to information.
MCM 2 Public Involvement/ Participation	BMP 2.1-MS4 Program Plan	BMP 2.1-MS4 Program Plan	Unchanged	Tracking comments of the program plan.
MCM 2 Public Involvement/ Participation	BMP 2.2-MS4 Annual Report	BMP 2.2-MS4 Annual Report	Unchanged	Post the latest MS4 annual report.
MCM 2 Public Involvement/ Participation	BMP 2.3-Activity Participation	BMP 2.3-Activity Participation	Unchanged	Involve students, parents, and faculty in a minimum of 4 environmental based activities.
MCM 3 Illicit Discharge Detection and Elimination	BMP 3.1-Storm Drain Map	BMP 3.1-Storm Drain Map	Unchanged	Storm drain map will be updated to reflect any changes
MCM 3 Illicit Discharge Detection and Elimination	BMP 3.2-Illicit Discharge Screening	BMP 3.2-Illicit Discharge Screening	Unchanged	Quarterly inspections of critical areas.

Minimum Control Measure (MCM)	Best Management Practice (BMP) For 2018-2019	Best Management Practice (BMP) For 2019-2020	Summary of Changes	Stormwater Activities for 2018-2019
MCM 3 Illicit Discharge Detection and Elimination	BMP 3.3-Illicit Discharge Reporting	BMP 3.3-Illicit Discharge Reporting	Unchanged	Provide a summary of illicit discharges reported and their resolution.
MCM 4 Construction Site Stormwater Runoff Control	BMP 4.1-Erosion and Sediment Control Design	BMP 4.1-Erosion and Sediment Control Design	Unchanged	No activities are planned for the reporting year.
MCM 4 Construction Site Stormwater Runoff Control	BMP 4.2-Erosion and Sediment Control for Construction	BMP 4.2-Erosion and Sediment Control for Construction	Unchanged	No activities are planned for the reporting year.
MCM 4 Construction Site Stormwater Runoff Control	BMP 4.3-Erosion and Sediment Control for Small Projects	BMP 4.3-Erosion and Sediment Control for Small Projects	Unchanged	No small activities are planned for the reporting year. Two RLD's are on staff if needed.
MCM 4 Construction Site Stormwater Runoff Control	BMP 4.4-Clerk of the Works for VSMP Projects	BMP 4.4-Clerk of the Works for VSMP Projects	Unchanged	No activities are planned for the reporting year.
MCM 4 Construction Site Stormwater Runoff Control	BMP 4.5-Public Reporting of Erosion and Sediment Control Issues	BMP 4.5-Public Reporting of Erosion and Sediment Control Issues	Unchanged	No activities are planned for the reporting year.
MCM 5 Post-Construction Stormwater Management in New Development and Development on Prior Developed Lands	BMP 5.1-Stormwater Management Facilities Design	BMP 5.1-Stormwater Management Facilities Design	Unchanged	No activities are planned for the reporting year.
MCM 5 Post-Construction Stormwater Management in New Development and Development on Prior Developed Lands	BMP 5.2-Stormwater Management Facilities Inventory	BMP 5.2-Stormwater Management Facilities Inventory	Unchanged	No activities are planned for the reporting year.

Minimum Control Measure (MCM)	Best Management Practice (BMP) For 2018-2019	Best Management Practice (BMP) For 2019-2020	Summary of Changes	Stormwater Activities for 2018-2019
<p>MCM 5 Post-Construction Stormwater Management in New Development and Development on Prior Developed Lands</p>	<p>BMP 5.3-Stormwater Management Facilities Inspections and Maintenance</p>	<p>BMP 5.3-Stormwater Management Facilities Inspections and Maintenance</p>	<p>Unchanged</p>	<p>Stormwater BMP's will be inspected and issues reported.</p>
<p>MCM 6 Pollution Prevention/Good Housekeeping for Facility Operations</p>	<p>BMP 6.1-Operations and Maintenance</p>	<p>BMP 6.1-Operations and Maintenance</p>	<p>Unchanged</p>	<p>No activities required; documents will be kept up to date.</p>
<p>MCM 6 Pollution Prevention/Good Housekeeping for Facility Operations</p>	<p>BMP 6.2-Nutrient Management</p>	<p>BMP 6.2-Nutrient Management</p>	<p>Unchanged</p>	<p>Nutrient management plan is in place for competition fields. No new activities are planned.</p>
<p>MCM 6 Pollution Prevention/Good Housekeeping for Facility Operations</p>	<p>BMP 6.3-Training Programs</p>	<p>BMP 6.3-Training Programs</p>	<p>Unchanged</p>	<p>Ongoing staff training.</p>

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Program Update Requirement	Permit Reference	Update Completed By	Date Completed	Summary of Revisions
Public Education Outreach Plan (Minimum Control Measure 1 - Public Education and Outreach on Stormwater Impacts)	Section II B 1	July 1, 2014	July 1, 2014	The Program Plan has been updated to be in compliance with the requirements of Section II B 1 - Public Education and Outreach on Stormwater Impacts. Details of the revisions for each BMP for this section are listed in the 2013-2014 annual report.
Illicit Discharge Procedures - (Minimum Control Measure 3 - Illicit Discharge Detection and Elimination)	Section II B 3	July 1, 2014	July 1, 2014	Program Plan has been updated to be in compliance with the requirements of Section II B 3 - Illicit Discharge Detection and Elimination. Details of the revisions for each BMP for this section are listed in the 2013-2014 annual report.
Individual Residential Lot Special Criteria (Minimum Control Measure 5 - Post-Construction Stormwater Management in New Development and Development on Prior Developed Lands)	Section II B 5	July 1, 2014	July 1, 2014	There are no residential lots within the MS4 site.
Operator-Owned Stormwater Management Inspection Procedures (Minimum Control Measure 5 - Post-Construction Stormwater Management in New Development and Development on Prior Developed Lands)	Section II B 5	July 1, 2014	July 1, 2014	The Program Plan has been updated to be in compliance with the requirements of Section II B 5 - Post-Construction Stormwater Management in New Development and Development on Prior Developed Lands. Details of the revisions for each BMP for this section are listed in the 2013-2014 annual report.
Identification of Locations Requiring SWPPPs (Minimum Control Measure 6 - Pollution Prevention/Good Housekeeping for Municipal Operations)	Section II B 6 b	July 1, 2014	July 1, 2014	There are no areas on the MS4 site which require SWPPPs.
Nutrient Management Plan (NMP) Locations (Minimum Control Measure 6 - Pollution Prevention/Good Housekeeping for Municipal Operations)	Section II B 6 c (1) (a)	July 1, 2014	July 1, 2014	Areas requiring a NMP have been identified.

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Program Update Requirement	Permit Reference	Update Completed By	Date Completed	Summary of Revisions
Training Schedule and Program - (Minimum Control Measure 6 - Pollution Prevention/Good Housekeeping for Municipal Operations)	Section II B 6	July 1, 2014	July 1, 2014	The Program Plan has been updated to be in compliance with the requirements of Section II B 6 - Pollution Prevention/Good Housekeeping for Municipal Operations. Details of the revisions for each BMP for this section are listed in the 2013-2014 annual report.
Updated TMDL Action Plans (TMDLs approved before July of 2008) - (Special Conditions for Approved Total Maximum Daily Loads (TMDL) Other Than Chesapeake Bay)	Section I B	July 1, 2015	July 1, 2014	There are no TMDLs other than Chesapeake Bay related to this MS4 Site.
Bay TMDL Action Plan - (Special Condition for Chesapeake Bay TMDL)	Section I C	July 1, 2015	July 1, 2015	The Chesapeake Bay TMDL Action Plan has been included in the annual report.
Stormwater Management Progressive Compliance and Enforcement - (Minimum Control Measure 4 - Construction Site Stormwater Runoff Control)	Section II B 4	July 1, 2015	July 1, 2014	The Program Plan has been updated to be in compliance with the requirements of Section II B 4 - Construction Site Stormwater Runoff Control. Details of the revisions for each BMP for this section are listed in the 2013-2014 annual report.
Daily Good Housekeeping Procedures (Minimum Control Measure 6 - Pollution Prevention/Good Housekeeping for Municipal Operations)	Section II B 6 a	July 1, 2015	July 1, 2014	The Program Plan has been updated to be in compliance with the requirements of Section II B 6 - Pollution Prevention/Good Housekeeping for Municipal Operations. Details of the revisions for each BMP for this section are listed in the 2013-2014 annual report.
Other TMDL Action Plans for applicable TMDLs approved between July 2008 and June 2013 - (Special Conditions for Approved Total Maximum Daily Loads (TMDL) Other Than Chesapeake Bay)	Section I B	July 1, 2016	July 1, 2014	There are no TMDLs other than Chesapeake Bay related to this MS4 Site.

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Program Update Requirement	Permit Reference	Update Completed By	Date Completed	Summary of Revisions
<p>Outfall Map Completed - (Minimum Control Measure 3 - Illicit Discharge Detection and Elimination) - Applicable to new boundaries identified as "urbanized" areas in the 2010 Decennial Census.</p>	<p>Section II B 3 a (3)</p>	<p>July 1, 2017</p>	<p>July 1, 2014</p>	<p>The Storm Drain Map for this MS4 is complete with no new boundaries or outfalls identified in the 2010 Decennial Census.</p>
<p>SWPPP Implementation - (Minimum Control Measure 6 - Pollution Prevention/Good Housekeeping for Municipal Operations)</p>	<p>Section II B 6 b (3)</p>	<p>July 1, 2017</p>	<p>July 1, 2014</p>	<p>There are no areas on the MS4 site which require SWPPPs.</p>
<p>NMP Implementation - (Minimum Control Measure 6 - Pollution Prevention/Good Housekeeping for Municipal Operations)</p>	<p>Section II B 6 c (1) (b)</p>	<p>July 1, 2018</p>	<p>July 1, 2014</p>	<p>NMP is being implemented by the Frederick County Parks and Recreation Department.</p>