



**TOWN OF BLACKSBURG STORMWATER
MANAGEMENT PROGRAM
VPDES PERMIT NO. VAR 040019
(Effective November 1, 2018)**

**Municipal Separate Storm Sewer System (MS4) Annual
Report for the reporting period:**

November 1, 2018 to June 30, 2019

(Includes activities prior to permit issuance from July 1 – October 31, 2018)

Date Prepared: October 1, 2019

"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."

Marc Verniel, Town Manager

Date

Blacksburg TOWN OF
VIRGINIA

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Introduction

Regulatory compliance related to stormwater management and the Municipal Separate Storm Sewer System (MS4) program is part of a town wide program. This document serves as the annual report for the reporting period of **November 29, 2018** through **June 30, 2019** for the **Town of Blacksburg** (TOB), General Permit No. **VAR040019** (effective November 1, 2018 – October 31, 2023). In this past permit year each department's roles and responsibilities has been described in the new 2018 TOB Program Plan. All of the policies and procedures referenced in this annual report support the new Program Plan. In the future, minor revisions to BMPs will be described in the body of the annual report based upon evaluations made upon the end of each reporting period.

Annual Report Requirements, General

- 1) Permittee, system name and permit number; **(Coversheet)**
- 2) The reporting period for which the annual report is being submitted; **(Coversheet)**
- 3) Signed Certification as per Part III K; **(Coversheet)**
- 4) Each annual reporting item as specified in the MCMs in Part I E; and **(body)**
- 5) An evaluation of the MS4 program implementation, including a review of each MCM to determine the MS4 program's effectiveness and whether or not changes to the MS4 program plan are necessary. **(body)**

MCM 1: Public Education & Outreach

The goals of the Public Education and Outreach Minimum Control Measure (MCM) are (1) To increase public knowledge of how to reduce pollution with a focus on the specific water quality issues of our local waters, (2) To increase public knowledge of hazards associated with illegal discharges and improper disposal of waste, and (3) To implement a diverse program with strategies that target those groups most likely to have stormwater impacts. Measures described below are intended to meet the public outreach and outreach goals as described in the Program Plan.

List of Minimum Control Measure #1 BMP's:

- A. Storm Drain Marking Program
- B. Illicit Discharge Education for Commercial Businesses
- C. Town Stormwater Webpage and Digital Media
- D. Outreach Targeting School Aged Children and University Students

The high priority stormwater issues listed below are identified in the Town of Blacksburg Program Plan. The public education and outreach best management practices focus on these issues as is described in the section below.

High Priority Stormwater Issues:

- Local TMDLs
- Illicit Discharges from Commercial Sites
- Pet Wastes

Appropriateness of the Minimum Control Measure One BMPs:

These BMPs increase awareness of the Town's local water quality issues by engaging the public in a variety of formats, introducing them to local impairments and ways in which they may be able to have some positive effect on the discharge to the Town's impaired waters. In the chart below, it illustrates how each of our BMPs addresses the specific high-priority water quality issues listed in the Program Plan.

Evaluation of Consistency with High Priority Stormwater Issues			
MINIMUM CONTROL MEASURE ONE BMPs	<i>Local TMDLs</i>	<i>Illicit/Commercial</i>	<i>Pet Wastes</i>
BMP 1.A (Storm Drain Marking Program)	✓	✓	
BMP 1.B (Illicit Discharge Education for Commercial Businesses)	✓	✓	
BMP 1.C (Town Stormwater Webpage and Digital Media)	✓	✓	✓
BMP 1.D (Outreach Targeting School Aged Children and University Students)	✓	✓	✓

Annual Report Required Documentation:

- A list of the high-priority stormwater issues the permittee addressed in the public education and outreach program; **(this page)** and
- A list of the strategies used to communicate each high-priority stormwater issue. **(below)**

Strategies from Table 1							
MCM1 BMPs	Written	Alternative	Signage	Media	Speaking	Curriculum	Training
BMP 1.A (Storm Drain Marking Program)	✓		✓	✓			
BMP 1.B (Illicit Discharge Education for Commercial Businesses)	✓						
BMP 1.C (Town Stormwater Webpage and Digital Media)				✓			
BMP 1.D (Outreach Targeting School Aged Children and University Students)						✓	

A. Storm Drain Marking Program Implementation

The town plans to mark storm drains in high pedestrian areas with information that identifies that the waters go to local streams. This may be done with a stamp or marker, or alternative messages such as art work and other high profile method. The goal is to draw attention to the storm drain network and educate citizens that these waters are not treated prior to discharge to local waters.

Measurable Goals Identified and Achieved:	Years Achieved			
Sponsor Local Artists to Paint Storm Drains	2018			
Mark Storm Drains with Metal Marker (<i>alternative</i>)				
Progress Toward Meeting Objectives of Permit				
<p>The Town has sponsored local artists to paint four storm drains in the Downtown area. The inlets chosen are in high visibility areas near the Administration Building, the Farmers Market, local restaurants and businesses. The paintings vary in style, but share the following themes:</p> <ul style="list-style-type: none"> • The Town of Blacksburg’s Freshwater Heritage • The Protection of Stroubles Creek • New River Watershed’s Natural Beauty: local wildlife, healthy habitat & natural beauty <p>The Town did not mark any new storm drains with metal markers this year.</p>				
Proposed Changes to BMP or Measurable Goals				
No changes are proposed for the BMP.				
Next Reporting Period Activities Planned (YEAR 2)				
The town will continue to sponsor storm drain art projects and expand the program to storm drains within close proximity to elementary schools. The town will periodically install high visibility metal mark in highly visible areas, primarily in shopping centers and apartment complexes where foot traffic is heavy.				

B. Illicit Discharge Education for Commercial Businesses

The Town continues to research and update the commercial best management practices, alternative treatment and storage options, and proper disposal techniques for non-stormwater discharges to better educate the commercial business community. This information will be sent to businesses annually. Additionally, the Town will continue to send out a survey asking businesses about non-stormwater discharges specific to their business every five years. Responses to the survey will allow the Town to evaluate the existing program and prioritize potential hazards for the future.

Measurable Goals Identified and Achieved:	Years Achieved			
Send out Non-stormwater discharger survey	2018			
Send Illicit Discharge Educational Info to Businesses and Residents				
Progress Toward Meeting Objectives of Permit				
The Town sent out the Non-stormwater discharger survey this reporting period. This survey gets distributed to all commercial and industrial businesses. A total of 588 surveys were sent out. A copy of the survey is included in the Program Plan. The Town is currently developing new material for the illicit discharge educational flyer.				
Proposed Changes to BMP or Measurable Goals				
None proposed.				
Next Reporting Period Activities Planned (YEAR 2)				
In the next reporting period, the Town's goal is to reach out to all commercial businesses and provide literature regarding illicit discharges and proper waste disposal.				

C. Town Stormwater Page Educational Information and Digital Media

Stormwater related information is available on the Town's website for the general public. The site contains links to DEQ, DCR, and EPA web pages related to stormwater pollution, MS4, and TMDLs. The Town's stormwater management ordinance, MS4 Program plan and annual reports, and local TMDLs are also posted on the website. The Town will continue to provide digital content relating to local stormwater issues.

Measurable Goals Identified and Achieved:	Years Achieved			
Update Stormwater webpage	2018			
Review Alternative Digital Media Sources for Outreach				
Implement Alternative Digital Media Sources for Outreach				
Progress Toward Meeting Objectives of Permit				
This past year the webpage was updated with the most current MS4 Program Plan information.				
Proposed Changes to BMP or Measurable Goals				
The Town is continuing to look into alternative methods of providing digital media for outreach. Alternative methods are desirable to continue to have a diverse program to continue to target a diverse audience.				

D. Outreach Targeting School Aged Children and University Students

The Town will continue to develop and implement a public education program specifically targeting school-age children and university students. This plan will cover stream and watershed education, information regarding local TMDLs and impairments and impacts of uncollected pet waste. School-age content will be consistent with the Virginia Science Standards of Learning (SOL) curriculum. University education will be tailored to be relevant to the course and incorporate the high-priority stormwater issues as appropriate.

Measurable Goals Identified and Achieved:	Years Achieved			
Provide Curriculum Materials for 4 th Grade Stream Field Trips	2018			
Provide Curriculum Materials for 6 th Grade Stormwater Day	2018			
Oral Presentation to University Undergraduate Student Classes: CEE 4304 Hydrology, CEE 4274 Land Development, CEE 4254 Municipal Engineering or NR 4444 Practicing Sustainability	2018			

Oral Presentation to University Graduate Classes: CEE 5734 Urban Hydrology, CEE 5324 Advanced Hydrology					
Progress Toward Meeting Objectives of Permit					
This past year curriculum materials were provided for the 4 th grade and 6 th grade curriculums. Oral presentations were provided for the undergraduate classes (Land Development, Municipal Engineering and Practicing Sustainability). No presentations to graduate classes occurred this reporting year.					
Proposed Changes to BMP or Measurable Goals					
No proposed changes.					

MCM 2: Public Involvement and Participation

The goal of the Public Involvement and Participation measure is to increase public notice, involvement and participation in the Town’s stormwater program by providing diverse avenues for public input and reporting. The general permit requires that the Town have procedures for reporting spills or illicit discharges, providing input on the MS4 Program Plan, receiving complaints and documenting all responses.

Program Plan Goals:

- To provide diverse avenues for public input and reporting
- To provide citizen input on the MS4 Program Plan
- To provide and avenue for receiving complaints and documenting response

Measures described below are intended to meet these goals as described in the Program Plan.

List of Minimum Control Measure #2 BMP’s:

- A. Conduct Stakeholder Meetings for Watershed Management and Stormwater Quality Improvement and Comprehensive Planning
- B. Online Reporting Portal for Public
- C. Stormwater Webpage
- D. Stormwater Activities

Annual Report Required Documentation:

- A summary of any public input on the MS4 program received (including stormwater complaints) and how the permittee responded; (**Appendix A**)
- A webpage address to the permittee’s MS4 program and stormwater website; (**see BMP 2-C**)
- A description of the public involvement activities implemented by the permittee; (**Appendix B**)
- A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality; (**Appendix B**) and
- The name of other MS4 permittees with whom the permittee collaborated in the public involvement opportunities. (**Appendix B**)

A. Conduct Stakeholder Meetings for Watershed Management, Stormwater Quality Improvement and Comprehensive Planning

Measurable Goals Identified and Achieved:	Years Achieved				
Staff attends community meetings and public hearings for new projects with stormwater concerns & documents citizens’ concerns	2018				
Attend Meetings for Local Stream TMDL Implementation					
Meet w/ Local Stormwater Interest Groups and HOAs					
Update Stormwater Goals in Comprehensive Plan					
Progress Toward Meeting Objectives of Permit					
The Town had 6 community meetings and 6 public hearings in which stormwater issues were discussed. There were 2 stormwater stakeholders interest groups met this reporting year. Updates to the Blacksburg Comprehensive Plan are complete. The Town received 13 individual comments/input regarding stormwater at these meetings. All input has been summarized in Appendix A.					

Proposed Changes to BMP or Measurable Goals
None proposed.
Program Plan Goal Addressed by this BMP
To provide diverse avenues for public input and reporting.

B. Online Reporting Portal for Public

The Town has a system named “At Your Request” which is designed to provide our residents, businesses and visitors access to staff 24-hours a day, 7-days a week. This system allows residents to contact staff via email regarding input, complaints, and reports of illicit discharges or dumping. Each request is sent directly to a designated staff and must be responded to in 5 days. The Town will maintain this system or a comparable system to provide this service. The portal can be found at <http://www.tobweb.org/ayr/>.

Measurable Goals Identified and Achieved:	Years Achieved				
Provide At-Your-Request Portal for 24-7 Reporting	2018				
Progress Toward Meeting Objectives of Permit					
There were no reports of illicit discharges or stormwater complaints submitted to the “At Your Request” system during this reporting period.					
Proposed Changes to BMP or Measurable Goals					
None proposed.					
Program Plan Goal Addressed by this BMP					
To provide and avenue for receiving complaints and documenting response					

C. Stormwater Webpage

As discussed in MCM1-C, Stormwater related information is available on the Town’s website for the general public. In addition to general outreach and educational information, the Town will also provide opportunity for the public to view and comment on all stormwater permit information. The stormwater webpage is located at www.blacksburg.gov/stormwater.

Measurable Goals Identified and Achieved:	Years Achieved				
Post Program Plan Online for comment	2018				
Post Annual Reports Online for comment	2018				
Post MS4 Permit and Coverage Letter	2018				
Provide a reporting link and email address for comment	2018				
Progress Toward Meeting Objectives of Permit					
There were 26 individual comments/input or complaints submitted via email or phone to the Town of Blacksburg. All input has been summarized in Appendix A.					
Program Plan Goal Addressed by this BMP					
To provide and avenue for receiving complaints and documenting response					
Proposed Changes to BMP or Measurable Goals					
None proposed.					

D. Stormwater Activities

The Town will participate in a minimum of four activities per year to provide an opportunity for public input to improve water quality and support local restoration and clean-up projects. Activities will consist of:

Education Events: Steppin’ Out, New River Valley Home Exposition and Show, Stormwater Day with Montgomery County 6th grade, and Blacksburg Freshwater Heritage Tours

Disposal or Collection Events: Household Hazardous Waste Days – *These events are held once a month at the Montgomery Regional Solid Waste Authority facility. In Year 1, there were 22.30 tons of waste collected. This is a County-wide event, therefore we do not know what proportion of this waste load is directly attributed to Town residents. Blacksburg’s total population is 45% of the entire County, so we assume that 10.04 tons is the waste collected from the Town’s residents.*

Pollution Prevention Events: Implement a Storm Drain Art Program

Measurable Goals Identified and Achieved:	Years Achieved			
Participate in a minimum of four activities	2018			
Progress Toward Meeting Objectives of Permit				
The Town participated in Education Events: Steppin’ Out (8/3/18), the New River Valley Home Show (4/9/19), and supported a Blacksburg Freshwater Heritage Tour (9/18/18). The Town supported Household Hazardous Waste Days that were held once a month, and implemented a Storm drain Art program as a pollution prevent event.				
Proposed Changes to BMP or Measurable Goals				
None proposed.				
Program Plan Goal Addressed by this BMP				
To provide diverse avenues for public input and reporting				

MCM3: Illicit Discharge Detection and Elimination

Develop a comprehensive map of the storm drain system, establish and carry out procedures to identify and remove illicit discharges, establish legal authority for enforcement actions, and encourage public education and involvement in eliminating illicit discharges. Measures described below are intended to meet these goals as defined in the Program Plan.

Program Plan Goals:

- To develop and maintain an accurate MS4 map.
- To provide notification to any downstream MS4 of physical interconnections.
- To enforce illicit discharges.

Measures described below are intended to meet these goals as described in the Program Plan.

Control Measure #3 BMP's:

- A. Storm Drain System Map
- B. Physical Interconnections
- C. Illicit Discharge Ordinance and Procedures

Annual Report Required Documentation:

- A confirmation statement that the MS4 map and information table have been updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year; **(BMP 3-A)**
- The total number of outfalls screened during the reporting period as part of the dry weather screening program; **(BMP 3-A)** and
- A list of illicit discharges to the MS4 including spills reaching the MS4. **(Appendix C)**

A. Storm drain system map

The Town has been working with the Virginia Tech Civil Engineering Department to employ GIS and GPS technology to inventory the complete storm sewer system within the Town, including stormwater management facilities. This map is complete and needs updates as new development is underway. This map includes the following:

- MS4 Outfalls
- A unique identifier for each mapped item
- MS4 Regulated Service Area
- Stormwater Management facilities (operated by the Town & private entities)
- Acreage to Outfall
- Name of Receiving Water
- 6th Order HUC of the Receiving Water
- Impaired status
- Predominant Land Use
- TMDL Name

Measurable Goals Identified and Achieved:	Years Achieved				
Confirmation that MS4 map and information table have been updated to reflect any known changes prior to July 1 of this reporting period.	2018				
Report the number of outfalls screened.	2018				
List of Illicit Discharges	2018				
Progress Toward Meeting Objectives of Permit					
The Town has updated the MS4 map and information table to reflect all known changes prior to July 1, 2019. In this reporting period 66 MS4 outfalls were screened. There were 20 reported illicit discharges during this reporting period. They are included in the Illicit Discharges Table in Appendix C.					
Proposed Changes to BMP or Measurable Goals					
None proposed.					
Program Plan Goal Addressed by this BMP					
To develop and maintain and accurate MS4 map.					

B. Physical Interconnections

The Town will also provide written notification to adjacent MS4s of any known physical interconnections.

Measurable Goals Identified and Achieved:	Years Achieved				
Provide written notification to adjacent MS4s of interconnections	2018				
Progress Toward Meeting Objectives of Permit					
No new physical interconnections were discovered or constructed during this permit cycle.					
Proposed Changes to BMP or Measurable Goals					
None proposed.					
Program Plan Goal Addressed by this BMP					
To provide notification to any downstream MS4 of physical interconnections					

C. Illicit Discharge Ordinance and Procedures

The Town continues to prohibit, through ordinance unauthorized non-stormwater discharges into the storm sewer system. The Town maintains written procedures designed to detect, identify, and address unauthorized non-stormwater discharges, including illegal dumping, to the Town's MS4 system.

Measurable Goals Identified and Achieved:	Years Achieved				
Adopt an Illicit Discharge Ordinance	2018				
Maintain written procedures for Illicit Discharge and Detection	2018				
Record all illicit discharges and report in Annual Report	2018				
Progress Toward Meeting Objectives of Permit					
<ul style="list-style-type: none"> The Town adopted an Illicit Discharge Ordinance Section 18-604 of the Town Code. It was last updated in July 1, 2014. A list of illicit discharges that occurred during the last reporting period is included in Appendix C. 					
Proposed Changes to BMP or Measurable Goals					
None proposed.					
Program Plan Goal Addressed by this BMP					
To enforce illicit discharges					

MCM4: Construction Site Runoff Control

In efforts to enforce a program to reduce pollutants in storm water runoff to the MS4 from construction activities that is compliant with the Virginia Erosion and Sediment Control program administered by the Department of Environmental Quality, the Town will provide a consistent program to address these issues. This program will establish the Town’s authority to enforce erosion and sediment control violations and document a pattern of consistent protocol of enforcement.

Program Plan Goals:

- Address sediment discharges entering the MS4 from regulated construction activities.
- Provide appropriate controls to prevent non-stormwater discharges to the MS4, such as wastewater, concrete washout, fuels and oils and other illicit discharges from construction activities.

Measures described below are intended to meet these goals as described in the Program Plan.

Control Measure #4 BMP’s:

- Maintain Enforcement Authority for Runoff Control Through ESC Ordinance
- Stormwater Pollution Prevention Controls during Construction
- Reporting of Inspections and Enforcement Actions

Annual Report Requirements:

- Total number of inspections conducted; (BMP 4-A) and
- The total number and type of enforcement actions implemented. (BMP 4-C)

A. Maintain Enforcement Authority for Runoff Control through ESC Ordinance

The Town will utilize the Erosion and Sediment Control and Stormwater ordinances to address discharges entering the MS4 from regulated construction site stormwater runoff. We are required adopt a Virginia Erosion and Sediment Control Program (VESCP) consistent with State code.

Measurable Goals Identified and Achieved:	Years Achieved			
Adopt an Erosion and Sediment Control Ordinance	*Not Achieved			
Progress Toward Meeting Objectives of Permit				
The Town has an ESC ordinance that was codified in 2007. It still references the states code from that time. It is our goal to update the ESC Ordinance to be consistent with current state code.				
Proposed Changes to BMP or Measurable Goals				
None proposed.				
Program Plan Goal Addressed by this BMP				
<p><i>Schedule for Adoption of Erosion and Sediment Control Ordinance:</i> <i>Due to the upcoming regulation change due to the ESC/SWM Consolidation bill, we would like to request to implement the update to the ESC ordinance in conjunction with this legal process that is already underway. This would be our tentative schedule for a revised ESC Ordinance:</i> <i>We will begin this fall to draft the new ESC/SWM Ordinance based on the draft Consolidation bill language. This should be publicly available and in public comment period until December 2020. As the legislative session begins in March 2021, we will begin our public hearing process, which lasts 4 months, at a minimum. This would allow any changes that could occur in the legislative session to be incorporated into the language of our ordinance.</i></p>				

This would put us on a schedule to adopt a new ESC/SWM Consolidated Ordinance on July 1, 2021, at the same time that the State code revision goes into effect. The Town would not request the use of the grace period that will be likely provided for localities, since we are currently out of compliance.

B. Stormwater Pollution Prevention Controls during Construction

The Town implements controls to prevent non-stormwater discharges to the MS4, such as wastewater, concrete washout, fuels and oils, and other illicit discharges identified during land disturbing activity inspections of the MS4. The discharge of non-stormwater discharges other than those identified in 9VAC25-890-20 D through the MS4 is not authorized by this state permit.

Measurable Goals Identified and Achieved:	Years Achieved				
Perform SWPPP Inspections in compliance with the Pollution Prevention Plan Protocol	2018				
Progress Toward Meeting Objectives of Permit					
The Pollution Prevention Plan Enforcement Protocol was completed in the last permit cycle. This protocol requires the implementation of controls to prevent non-stormwater discharges to the MS4 such as wastewater, concrete washout, fuels and oils or other illicit discharges. As part of this protocol, the Town has created several guidance documents regarding spill prevention kits and concrete washout areas that are required to be included in every approved SWPPP document. Inspections and results from the program are documented in Appendix 4-F, Pollution Prevention Plan Enforcement Protocol.					
The Town also performs SWPPP Inspections to confirm that construction sites are in conformance with their SWPPP and Town protocols. The Town completed 45 SWPPP inspections during this permit cycle.					
Proposed Changes to BMP or Measurable Goals					
None proposed.					
Program Plan Goal Addressed by this BMP					
Provide appropriate controls to prevent non-stormwater discharges to the MS4, such as wastewater, concrete washout, fuels and oils and other illicit discharges from construction activities					

C. Reporting of Inspections and Enforcement Actions

The Town will include in the Annual Report a summary of the total number of inspections conducted and the total number and type of enforcement actions implemented and the type. This reporting shows that the Town of Blacksburg is utilizing a consistent protocol of enforcement.

Measurable Goals Identified and Achieved:	Years Achieved				
Total ESC Inspections	2018				
Enforcement Actions	2018				
Stop Work Orders	2018				
Progress Toward Meeting Objectives of Permit					
In the past reporting period, the Town has performed 1239 inspections, 195 Notices to Comply, 37 Letters of Violation and 0 Stop Work Orders.					
Proposed Changes to BMP or Measurable Goals					
None proposed.					
Program Plan Goal Addressed by this BMP					
Address sediment discharges entering the MS4 from regulated construction activities.					

MCM5: Post Construction Stormwater Management

The Town of Blacksburg has an approved Virginia Stormwater Management Program (VSMP) program in accordance with Part I E 5 a (1) and (2). The Town will continue to address post-construction stormwater runoff that enters the MS4 from the following land disturbing activities by implementing a post-construction stormwater runoff management program consistent with the Virginia Stormwater Management Act (§ 62.1-44.15:24 et seq. of the Code of Virginia) and VSMP Regulations (9VAC25-870) as well as continue our inspection and maintenance program in accordance with Parts I E 5 b and c.

Program Plan Goals:

- To maintain written inspection and maintenance procedures in order to ensure adequate long-term operation and maintenance of stormwater facilities;
- To inspect facilities owned by private operators every five years, at a minimum.
- To inspect facilities owned/operated by the Town, once a year.
- To provide necessary maintenance for facilities owned by the Town, when needed.

Measures described below are intended to meet these goals as described in the Program Plan.

Control Measure #5 BMP's:

- A. Stormwater Facility Inspection Program
- B. Stormwater Facility Database

Annual Report Requirements:

- The number of privately owned stormwater management facility inspections conducted; **(BMP 5-A)**
- The number of enforcement actions initiated by the permittee to ensure long-term maintenance of privately owned stormwater management facilities including the type of enforcement action; **(BMP 5-A)**
- Total number of inspections conducted on stormwater management facilities owned or operated by the Town of Blacksburg; **(BMP 5-A)**
- A description of the significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned or operated by the permittee; **(Appendix C)**
- A confirmation statement that the permittee submitted stormwater management facility information through the Virginia Construction Stormwater General Permit database; **(BMP 5-B)** and
- A confirmation statement that the permittee electronically reported BMPs using the DEQ BMP Warehouse. **(BMP 5-B)**

A. Stormwater Program

The Town of Blacksburg relies on its Stormwater Management Program as regulated under the Virginia Stormwater Management Regulations and attendant regulations. The Storm Water Management Program has procedures for plan review, inspection, enforcement, and penalties.

The Town has filled a full time Stormwater Engineer position that is responsible for administering the Storm Water Management Program.

Measurable Goals Identified and Achieved:	Years Achieved				
Report number of privately owned stormwater facility inspections completed	2018				
Report number of enforcement actions initiated to ensure long-term maintenance of privately owned facilities	2018				
Report number of inspections conducted on facilities owned by the Town	2018				
Description of maintenance, repair & retrofit of publicly owned facilities	2018				
Confirmation of Construction General Permit and BMP Warehouse reporting	2018				
Progress Toward Meeting Objectives of Permit					
<ul style="list-style-type: none"> • A total of 111 privately owned facilities were inspected this permit year. • There were no enforcement actions initiated to ensure long-term maintenance of private facilities, all inspections that resulted in a maintenance action was completed or a schedule for completion was provided. All facility maintenance is proceeding in compliance with our program. • All sixty (60) of the Town owned facilities were inspected this reporting year. • Twenty-seven (27) of the 60 town facilities needed non-routine maintenance upon inspection. These maintenance activities included plant replacement, erosion and rut repair, sediment and debris removal, rodent removal, tree removal, outfall repair, pipe replacement and stormwater facility retrofit. A full detail on the maintenance performed for each facility is located in Appendix D. 					
Proposed Changes to BMP or Measurable Goals					
No changes are proposed.					
Program Plan Goal(s) Addressed by this BMP					
<ul style="list-style-type: none"> • To inspect facilities owned by private operators every five years, at a minimum. • To inspect facilities owned/operated by the Town, once a year. • To provide necessary maintenance for facilities owned by the Town, when needed. 					

B. Stormwater Facility Databases

The Town of Blacksburg commits to using the DEQ Construction Stormwater Database to report each stormwater facility installed after July 1, 2014 to address the control of post-construction runoff from land disturbances for which the Town is required to obtain a stormwater general permit.

Measurable Goals Identified and Achieved:	Years Achieved				
Confirmation of Construction General Permit and BMP Warehouse reporting	2018				
Progress Toward Meeting Objectives of Permit					
<ul style="list-style-type: none"> • The Town of Blacksburg confirms that for all projects that submitted a Termination form, all stormwater management facility information has been submitted to DEQ through the Virginia Construction Stormwater General Permit database. • The Town of Blacksburg confirms that we have electronically reported BMPs to the DEQ BMP Warehouse in accordance with Part I E 5 g on September 30, 2019. 					
Proposed Changes to BMP or Measurable Goals					
No changes are proposed.					
Program Plan Goal(s) Addressed by this BMP					
<ul style="list-style-type: none"> • To inspect facilities owned by private operators every five years, at a minimum. • To inspect facilities owned/operated by the Town, once a year. • To provide necessary maintenance for facilities owned by the Town, when needed. 					

MCM6: Pollution Prevention and Good Housekeeping for Facilities Operated by the Permittee within the MS4 Service Area

The Town of Blacksburg will maintain and implement written procedures for all activities performed, such as road, street, and parking lot maintenance; equipment maintenance, and the application, storage, transport and disposal of pesticides, herbicides, and fertilizers so that the Town can do the following:

Program Plan Goals:

- Prevent illicit discharges,
- Ensure the proper disposal of waste materials, including landscape wastes,
- Prevent the discharge of wastewater or permittee vehicle wash water or both into the MS4 without authorization under a separate VPDES permit,
- Require implementation of best management practices when discharging water pumped from utility construction and maintenance activities,
- Minimize the pollutants in stormwater runoff from bulk storage areas (e.g., salt storage, topsoil stockpiles) through the use of best management practices,
- Prevent pollutant discharge into the MS4 from leaking municipal automobiles and equipment; and
- Ensure that the application of materials, including fertilizers and pesticides, is conducted in accordance with the manufacturer's recommendations.

Measures described below are intended to meet these goals as described in the Program Plan.

Control Measure #6 BMP's:

- A. Standard Operating Procedures for Town Operations
- B. SWPPPs for Town Facilities
- C. Nutrient Management Plans for Town Sites
- D. Town Contractor Pollution Prevention Methods
- E. Training Plan for Town Staff

Annual Report Requirements:

- A summary of any operational procedures developed during the reporting period; **(BMP 6-A)**
- A summary of any new SWPPPs developed during the reporting period; **(BMP 6-B)**
- A summary of any SWPPPs modified during the reporting period; **(BMP 6-B)**
- A summary of any new turf and landscape nutrient management plans developed; **(BMP 6-C)** and
- A list of the training events conducted in accordance with Part I E 6 m. **(BMP 6-E)**

A. Standard Operating Procedures for Town Operations

Measurable Goals Identified and Achieved:	Years Achieved				
Prepare operational procedures for Town Practices	2018				
Update operational procedures to reflect better practices					

Progress Toward Meeting Objectives of Permit
<p>The Town has prepared Standard Operating Procedures for the following activities:</p> <ul style="list-style-type: none"> • Stormwater Collection and Conveyance System Maintenance, • De-icing and Snow Removal, • Storage, washing and maintenance of vehicle fleets and fueling facilities, • External building maintenance, including cleaning and painting. • Proper application of fertilizer, pesticides and herbicides on municipal land as well as sediment and erosion control, landscape maintenance and vegetation disposal, and trash management for those areas. • Stormwater protection at material storage areas, heavy equipment storage areas and maintenance areas not covered under other permits. • Any other facilities that would reasonably be expected to discharge contaminated runoff. <p>This Operating Procedures Plan was approved in 2015. It was updated in 2017 and it applies to all Town employees, interns, contractors and subcontractors providing service and support for the Town’s municipal operations. This plan is periodically reviewed for effectiveness, appropriateness and updated as new practices become available.</p>
Proposed Changes to BMP or Measurable Goals
No changes are proposed.
Program Plan Goal Addressed by this BMP
All goals addressed by this BMP.

B. SWPPPs for Town Facilities

Measurable Goals Identified and Achieved:	Years Achieved				
Maintain SWPPPs for all areas developed in accordance with Part I E 6 c.	2018				
Review Town owned & operated sites for changes that would require new SWPPPs	2018				
Progress Toward Meeting Objectives of Permit					
<p>The Town requires a SWPPP at the Public Works Facility in accordance with Part I E 6 c. This SWPPP was developed in 2017 and is maintained on site. No changes to other Town owned and operated sites has triggered the need for additional site SWPPPs.</p>					
Proposed Changes to BMP or Measurable Goals					
No changes are proposed.					
Program Plan Goal Addressed by this BMP					
All goals addressed by this BMP.					

C. Nutrient Management Plans (NMPs) for Town Sites

Measurable Goals Identified and Achieved:	Years Achieved				
Maintain DCR-approved NMPs for all Town lands developed.	2018				
Review Town owned & operated lands for changes that would require new NMPs	2018				
Progress Toward Meeting Objectives of Permit					
<p>The Town has approved Nutrient Management Plans for the following sites:</p> <ul style="list-style-type: none"> • Blacksburg Municipal Golf Course (<i>updated 1/20/20</i>) • Municipal Park Complex (<i>updated 1/20/20</i>) • Seneca Drive Park (<i>updated 1/20/20</i>) • Winfrey Fields (<i>updated 1/20/20</i>) • Primrose park (<i>updated 1/20/20</i>) • Toms Creek Park (<i>updated 1/20/20</i>) <p>There are no changes to Town owned and operated lands that would require new Nutrient Management Plans. The Town has acquired two new parks, the Municipal Bike park and the Meadows park. Neither of these parks has nutrients applied; therefore they do not require NMPs.</p>					

Proposed Changes to BMP or Measurable Goals
No changes are proposed.
Program Plan Goal Addressed by this BMP
Ensure that the application of materials, including fertilizers and pesticides, is conducted in accordance with the manufacturer's recommendations.

D. Town Contractor Pollution Prevention Methods

Measurable Goals Identified and Achieved:	Years Achieved				
Provide a summary of mechanisms the Town uses to ensure contractors working on behalf of the permittees implement the necessary good housekeeping and pollution prevention.	*Not Achieved				
Progress Toward Meeting Objectives of Permit					
The Town is currently working on additional legal and programmatic mechanisms that would ensure contractors working on behalf of the Town that necessary good housekeeping and pollution preventions are being followed. Currently this is being conveyed to them verbally, but the legal mechanisms have not been put in place.					
Proposed Changes to BMP or Measurable Goals					
No changes are proposed.					
Program Plan Goal Addressed by this BMP					
All goals addressed by this BMP.					

E. Training Plan for Town Staff

Measurable Goals Identified and Achieved:	Years Achieved
Report a list of training events including the following: <ul style="list-style-type: none"> The date of the training event; The number of employees who attended the training event; and The objective of the training event. 	2018
Progress Toward Meeting Objectives of Permit	
The Training plan for Town Staff is included in Appendix E. New training protocols are being created for Public Works, Parks and Recreation and Emergency Services staffs. The Engineering Department and Landscaping staff have continued with their current training programs.	
Proposed Changes to BMP or Measurable Goals	
No changes are proposed.	
Program Plan Goal Addressed by this BMP	
All goals addressed by this BMP.	

TMDL Special Conditions

TMDLs for both the Stroubles Creek and Upper Roanoke River watersheds were approved prior to the July 1, 2013 effective date of the prior General Permit. No new TMDLs have been approved between 2013 and 2018. The TOB currently has the following WLAs associated with a TMDL:

- 211 tons/year sediment to Stroubles Creek (aggregate WLA)
- 102 tons/year sediment to Upper Roanoke River watershed
- 3.15E+09 cfu/year bacteria (E coli) to Wilson Creek/ Upper Roanoke River watershed
- 7.8 mg/yr of polychlorinated biphenyl to the Roanoke River watershed

The Town of Blacksburg has implemented a local TMDL Action Plan designed to reduce loadings for the specific pollutants of concern listed in each impaired watershed.

Program Plan Goals:

- Maintain a local TMDL Action Plan for waters with approved TMDLs prior to June 30, 2018.
- Complete implementation of the TMDL Action Plans.

Measures described below are intended to meet these goals as described in the Program Plan.

BMPs for TMDL Special Conditions:

A. TMDL Action Plan Actions

Annual Report Required Items:

- Summary of actions conducted to implement the local TMDL Action Plan. **(BMP TMDL-A)**

A. TMDL Action Plan Actions

Measurable Goals Identified and Achieved:	Years Achieved
Provide a summary of actions completed as part of the TMDL Action Plan.	2018
Progress Toward Meeting Objectives of Permit	
The following activities were completed as part of the TMDL Action Plan:	
<ul style="list-style-type: none"> • MS4 Program Plan Implementation • Storm Drain Painting Contest (4 High-visibility Storm Drains were painted). • Stormwater facility retrofit (1 Stormwater Facility was retrofit to include water quality measures.) • Confirmed funding for a Stream Restoration Project (The Scott Alan Circle Stream Restoration was funded). • Street Sweeping (Street sweeper AS-606 ran 1,720 miles). • Incorporated additional controls for hydraulic fluid containment on active construction sites. • Identified areas with historic railyard use as a source of PCB contamination. 	
Proposed Changes to BMP or Measurable Goals	
No changes are proposed.	
Program Plan Goal Addressed by this BMP	
Complete implementation of the TMDL Action Plans.	

Appendix A: Summary of Stormwater Complaints & Other Public Input

2018-19 Citizen Input Summary and Response

<p>8/10/2019</p>	<p>Citizen Input:</p> <p>Message submitted from the <Blacksburg, VA> website. Site Visitor Name: Ruth B. Reynolds Site Visitor Email: bronie14@gmail.com Hi Kafi, This is Bronie Reynolds from 410 Turner St. NE in Blacksburg. You were so kind to come and fix the drainage ditch about 3 or 4 years ago where we have an easement with the Town of Blacksburg. It is about time to take a look again to make sure that the drain is still doing the job it should be doing. At this time the drain near the street is eroding away part of my front yard and I feel it will continue to do so without some way to help stop the speed of the erosion. The amount of rain and the speed of the rainfall has really put the drain to the test. Any chance you can come and take another look at this and can we get your folks to help with this? I am out of town this week but will be back next week. I think we are supposed to get more rain with the hurricane coming around. I am going to send you more pictures to give you an idea of what we are looking at. My phone number is 540-250-3910. Thanks for your help. Bronie Reynolds</p> <p>Permittee Response: (Email 8/11/2018) Bronie, Thanks for getting back in touch. I should be able to swing by tomorrow for a site visit to take a look at your concerns. Sincerely, Kafi</p>
<p>8/30/2018</p>	<p>Citizen Input:</p> <ul style="list-style-type: none"> • A citizen asked about the location of the storm water management areas. He stated that those areas already overflow from time to time. <p>Permittee Response: All questions were answered during the public meeting.</p>
<p>10/3/2018</p>	<p>Citizen Input:</p> <p>Kafi, I wanted to touch base on this drainage issue. I spoke recently to Doug shaver and he said he would be one of the ones that would be repairing this. The recent rains have brought quite a bit of water onto my lot from the harding and cork sides. Is there any timeline for getting this repaired. Regards</p> <p>Permittee Response: This resulted in a site visit on 10/4/18. Request for curbing was then referred to Public Works for curb installation.</p>
<p>10/8/2018</p>	<p>Citizen Input:</p> <p>Kafi, I was recently made aware of a concern on Prospect street about a storm water structure. Can you tell me what (if anything else) I need to do to address this issue? I've attached a picture of the structure. The concern expressed is the possibility of children entering the structure. This structure may already fit any regulations in place, but I figured it was good to investigate. Thanks,--Alan Baker</p> <p>Permittee Response:</p>

(Email 10/8/2018) If it is okay with you I can swing by tomorrow and take a look. From the surface it doesn't look dangerous, but I can't tell what the inside is like. Kafi

10/9/2019

Citizen Input:

Kafi, thanks for coming out to inspect the problem of run off from the parking lot under construction at clay and church streets. as we saw, the construction has directed a considerable amount of water onto the neighboring property, and it has flowed to the back side of the penn st townhouses.-after talking with you, i went to look at the whole construction site, and i am now more alarmed than when we finished our conversation. the temporary fix of re-erecting the collapsed silt fence will not be adequate, even for the short term. -presently, almost all the water collected on the construction site flows to the inner most corner of the site, flows to the adjacent property and pools on the penn st townhouses side yard-this means the flooding problem already present at penn st will be greatly intensified if there is a heavy rain in the near future.-the contractor should fix this problem immediately. the runoff onto the adjacent property and on to the penn st townhouses should be averted by whatever means possible.-i hope this does not sound alarmist, but the town has regulations and protocols regarding site work, and who will take responsibility if these townhouses flood.-please look this problem over closely-best

Permittee Response:

(Email 10/9/19) Robert, I have called the contractor and made them aware of the issues. We will check in with them again in the morning to see that they take a look. Thanks, Kafi

(Email 10/10/19) Robert, The contractor has finished working on the parking lot construction site. They have created a berm to prevent water from going down the slope and activated an inlet so that the runoff can be diverted to Church Street. This should redirect most of the surface drainage away from your Town homes. Thanks, Kafi

10/11/2018

Citizen Input:

Windsor Hills Pump Station Needs sandbags: Flash Creek is out of its banks and floating to the corner of the pump house. Well pumps have been on the whole time I was visiting. Doug White

Permittee Response:

Input referred to public works to address drainage around sewer pump station.

10/12/2018

Citizen Input:

Good morning Kafi, How can I access the approved stormwater concept plan for the development at the corner of Givens Ln and Whipple Dr.? Regards, Javad

Permittee Response:

(Email 10/16/2018) Javad, Attached is the stormwater concept plan for RC Townhomes at the corner of Givens and Whipple Dr. Thanks, Kafi

11/5/2018

Citizen Input:

- I believe the rezoning request should not be approved because this project will...cause additional stress on the stormwater drainage, town sewer and water capacities.

Permittee Response:

All questions were answered during the public meeting.

12/7/2018

Citizen Input:

(Via Joshua Middleton - Town Engineer) Gentlemen, I received a complaint regarding the site, specifically regarding potential E&S and Stormwater violations. They mentioned unprotected disturbance and concrete washout violations in addition to several other violations for unsafe work practices. If you can please schedule sometime to inspect the site tomorrow and let me know what you find I would greatly appreciate it as I would like to provide a response to the E&S and Stormwater concerns they voiced. Thanks,

Permittee Response:

(Email 12/7/2019) Joshua, Mic and I will swing by this morning to look at any stormwater issues. Thanks, Kafi

1/7/2019

Citizen Input:

Good morning Kafi, I appreciate it if you please let me know what stormwater projects beside the one on Mt Tabor Rd have been done in the Toms Creek watershed during the past 3-4 years? Thanks. Regards, Javad

Permittee Response:

Javad, Below are all of the stormwater projects that have been completed: Downtown Eastside Stormwater Feasibility Study – Penn St., Repair on Collegiate Suites Stormwater Pond, Repair of Town Bioretention Facilities, Nutrient Management Plans for Town Owned Properties, Mt Tabor Road Storm Drainage Improvement, School Education Programs in Partnership with the New River Land Trust, Storm Drain Painting Project, Inspection and Maintenance of Town Infrastructure (inlets and pipes) – ongoing , and MS4 Compliance (42 Items). We have additional projects that have been funded, but are in various stages of completion. Please let me know if you need any additional information. Thanks, Kafi

1/7/2019

Citizen Input:

Hello, Thanks for the information; if any of the funded projects are in the Toms Creek watershed, I'd like to know. Also, please find attached an image showing a stormwater pond failing; it is next to the Shenandoah trail and belongs to the Pheasant Run property. Other facilities on that property may be in need of attention. Have a great day, Javad

Permittee Response:

(Email 1/11/19) Javad, I just wanted to let you know that we are meeting with the Pheasant Run property managers today regarding the pond failure that you send us. Thanks for the information. Kafi

1/22/2019

Citizen Input:

Message submitted from the <Blacksburg, VA> website.
 Site Visitor Name: Jessica Pace-Berkeley
 Site Visitor Email: jpbartist1@aol.com My neighbor at 504 Stonegate Drive added an addition to her home that "disturbed" an underground stream. Previous owner , Mrs. Martin and I spoke of this water issue many times . Now my entire back yard has standing water at all times. To rectify my new neighbor's water issue she included several pumps that bring water to an above ground drain. This drain creates a hazardous sheet of ice preventing me from safely reaching my driveway , trash placement and mailbox . Would you please inspect this asap? Is it possible for her pumping to cease while the coldest weather exists , causing this ice hazard? Please advise , Thank you for your help.
 Jesi Pace-Berkeley

Permittee Response:

(Site Visit 2/14/19) De-icing was applied to the frozen area.

2/13/2019

Citizen Input:

Message submitted from the <Blacksburg, VA> website.
 Site Visitor Name: John J Robertson
 Site Visitor Email: john@therobertsonlawfirm.com
 Good afternoon, Ms. Howard. I'm following up on a discussion regarding a stormwater retention pond that is located in the open space adjacent to 1301 Village Way South in the Village at Tom's Creek. I'm the president of the HOA, and I'm trying to coordinate with our Board of Trustees, our Open Space Subcommittee, and Tom's Creek Investors, LC (Joyce Graham) to get a handle on everything the HOA will need to be doing when Tom's Creek Investors completes development. If you have some guidance about how the HOA is supposed to maintain the stormwater retention pond at this location (or any of the locations within the community, really), please let me know. There has been much discussion about the maintenance of the open space in our community, and I believe the intent is to try to encourage re-forestation and tree growth in most areas. As a result, I believe there are many young trees (likely black locusts) growing in and around the retention pond at this location. Will the HOA need to keep the pond clear? Is some tree growth permitted? Any guidance from the Town would be helpful! Thank you, in advance, for your help. Kind regards, John

Permittee Response:

(Site Visit 2/14/19) The stormwater inspector met with the HOA and provided guidance.

2/15/2019

Citizen Input:

Hello Kafi, Recently, I saw the following (please refer to the images attached) on Whipple Dr. Is this normal? If not, who is responsible for the upkeep of such facilities? Thanks. Regards, Javad

Permittee Response:

(Email 2/15/19) Javad, This Filterra is the Town's to maintain. I'll let public works know that it needs to be cleaned. Thanks, Kafi

3/27/2019

Citizen Input:

- An attendee asked what the total impervious area would be.

- A citizen expressed concern that there is already water standing on Broce Drive when it rains and is concerned that the development will exacerbate this condition with greater stormwater runoff.
- An attendee asked if the developer will be installing larger storm drains in the road. The citizen indicated that there is already flooding on Progress Street. If there is a problem, the citizen wondered whose responsibility it would be for maintenance—the applicant or the Town. The citizen wanted to know how the development will accommodate additional sewage needs and infrastructure. The citizen was concerned that the additional residents would lead to utility system trouble in the future.

Permittee Response:

All questions were answered during the public meeting.

4/1/2019

Citizen Input:

Dear Kafi, Hello; I appreciate it if you please let me know the status of the the stormwater concept plan for the 1222 Patrick Henry Dr property - the latest decision plan. Thanks. Regards, Javad

Permittee Response:

(Email 4/1/19) Javad, The stormwater concept plan for 1222 Patrick Henry has been approved. They have decided to move forward with the use of the Town’s stormwater facility behind Collegiate Suites. Thanks, Kafi

4/1/2019

Citizen Input:

Hello, Please let me know what restrictions exist that they are not having any stormwater control measures on their property. Regards, Javad

Permittee Response:

(Email 4/1/2019) Javad, I do not completely understand your question. Could you please clarify. Thanks, Kafi

4/3/2019

Citizen Input:

Good morning, In other words, why is it that they are using the Town’s stormwater detention pond and not installing the stormwater control measures on their property? Regards, Javad

Permittee Response:

(Email 4/3/19) Javad, They have proposed utilizing the Town’s regional stormwater facility and have shown that with some improvements that there will be enough volume to meet the stormwater requirements. This option will meet the same requirements as on-site and the proposed construction will bring the Town’s pond up to a current standard. Thanks,Kafi

4/4/2019

Citizen Input:

Hello Kafi, Please let me know where I could find the latest approved stormwater concept plan for the 1222 Patrick Henry Dr. property. Regards, Javad

Permittee Response:

(Email 4/4/19) Javad, Here is a link to the stormwater concept plan. It’s under the section labeled Application Materials 8-1-18. Thanks, (link provided)

5/7/2019	<p>Citizen Input: Phone conversation: Drainage issues at Upland Street from Sandra Gaylord</p> <p>Permittee Response: Referred to Public Works to review for curb installation</p>
5/29/2019	<p>Citizen Input:</p> <p>Hello Kafi, I could not attend last week's TC work session. I appreciate it if you please let me know how I could receive a copy of the "Park 37 Stormwater agreement". Thanks. Regards, Javad</p> <p>Permittee Response:</p> <p>(Email 5/29/10) Javad, This is a draft of the agreement for the Park 37 Development. Council has not yet agreed to these conditions at this time. Thanks, Kafi (draft agreement attached)</p>
6/5/2019	<p>Citizen Input:</p> <ul style="list-style-type: none"> • Another citizen asked about the distance from the stormwater management facility to Toms Creek Road. • There was some discussion of pet waste as an issue in the area and possible solutions. <p>Permittee Response:</p> <p>All questions were answered during the public meeting.</p>
6/6/2019	<p>Citizen Input:</p> <ul style="list-style-type: none"> • A neighbor explained that the creek that runs along Giles Road overflows frequently. Is there a storm water retainer from the applicant to stop more overflow? • A neighbor expressed a concern again about easements and the sewer upgrade project. They further asked if sewer and storm water run in the same easement. • An attendee asked how the applicant will reduce storm water runoff for the development. • An attendee asked how the applicant is handling the smaller areas of storm water. • A citizen stated that if the site wasn't on the site of the Blacksburg High School and with it the smaller impervious area, would the Town have allowed such a small detention area for storm water? • Asked the Town to look at the detention area and make sure it is adequate. • A neighbor stated that stormwater already fills up her back yard now and is concerned that this project will just add more. <p>Permittee Response:</p> <p>All questions were answered during the public meeting.</p>
6/14/2019	<p>Citizen Input:</p> <p>Please find attached a couple pictures showing sediment leaving the property. I have further evidence from past rain events that I could send you. Have a great weekend. (1222 Patrick Henry)</p> <p>Permittee Response:</p>

	An inspection resulted and repairs completed.
6/17/2019	<p>Citizen Input:</p> <p>Dear Mr. Verniel (Town Manager), Hello; I hope you are well. Sometime ago, I met you and suggested a procedure that would have helped the Town's ability to better manage sediment control measures. The conversation occurred when repeated sediment control violations were happening at the Fieldstone construction site. You indicated that a similar program already existed. I did look that up and in fact a similar program was in place. The issue was and still is that it is not fully implemented. As a result, so much sediments end up in our waterways. It is not an exaggeration to say that is very difficult to find a violation-free construction site in Town (at least, this has been so for the ones our group has monitored). My suggested procedure and even the one the Town has if properly implemented could have drastically minimized sediment releases. With several upcoming construction activities, it is very important that the Town fully practices its own stormwater management guidelines to protect our environment. Our group will continue to work with the Engineering Department; and in return, we expect better enforcement of the existing rules and regulations. Definitely, we could do much better. Regards, Javad p.s. The attached pictures show recent sediment release at the 1222 Patrick Henry Dr construction site. This incident has been reported to Ms. Howard and most likely would be taken care of. The problem was a misjudgment by those inspected the site. As a result, no silt fence was placed between the the two properties. In fact, based on our assessment, the situation would have been much worse if we received a bit more rain; there, existed no adequate silt control pond (another shortcoming)!</p> <p>Permittee Response:</p> <p>An inspection resulted and repairs completed.</p>
6/18/2019	<p>Citizen Input:</p> <p>Dear Kafi, I appreciate it if you please provide me with a copy of your watershed presentation to the TC this morning. Regards, Javad</p> <p>Permittee Response:</p> <p>(Email 6/18/19) Javad, Here is a copy of the presentation. Thanks, Kafi (presentation attached)</p>
6/18/2019	<p>Citizen Input:</p> <p>Dear Mr. Lawrence, This morning you talked about ordinance #1897. I appreciate it if you please let me know where I could find details (including the site plan) of the work being done to improve the stormwater issues on and around that development. Thanks. Regards, Javad</p> <p>Permittee Response:</p> <p>(Email 6/25/18) Chris, The site plan was too large to email, so I created a link from our ftp site (see below). You can send this link directly to Javad so he has access to the complete plans. The plans show all of the onsite and offsite pond improvements. Thanks, Kafi (link included)</p>
6/27/2019	<p>Citizen Input:</p>

Anne, (Director of Planning) Could you point me in the direction of the Resolution 6-C-19? I can not find it published anywhere on the towns website. I would like to read the written resolution approved at Tuesdays 6/25/19 council meeting. Thanks

Permittee Response:

(Email 6/28/19) Hi Doug, The resolution is attached. I am copying Kafi Howard. This is an engineering item so she will be handling the amendment. She can make sure you are aware of the schedule for this one.....Anne

6/28/2019

Citizen Input:

Thanks Anne, I have another question and maybe its best for Kafi or Larry so though it best to ask here. Could I obtain a copy of the Floodplain Development Permit for 100 Otey Street Southwest? The land was previously the University Club. And again thank you Anne for suggesting, I would like to be included in all available conversations, meeting, and documentation regarding changes to the Flood Overlay District here in Blacksburg and as it pertains to Virginia Tech / Virginia Polytechnic Institute and State University / Virginia Tech Foundation. Thanks Doug

Permittee Response:

(Email 6/28/19) Doug, I have attached the approved Flood Study for the VT CIDLLC Building (formerly the University Club) and the submitted Development permit. You can use the link below to access the documents. Please let me know if you have any questions. Thanks, Kafi (link attached)

6/28/2019

Citizen Input:

Kafi, Javad has requested a copy of the Habitat site plan. Can you send me a pdf copy or like before a link to it? Thanks Chris

Permittee Response:

(Email 6/28/19) Chris, Here's a link: (link attached) Kafi

6/28/2019

Citizen Input:

Citizen requested (via phone) the site plan and calculations for the rainwater cistern tank for the Hearthstone development.

Permittee Response:

Javad, I have attached a link to the Hearthstone site plan where you can see the sizes of the rainwater tanks. It may be a few days before the calculations are scanned, but I will send those to you as soon as possible. Thanks, Kafi (link attached)

Appendix B: Description of Public Involvement Activities

The Town participated in Education Events: Steppin' Out (8/3/18), the New River Valley Home Show (4/9/19), and supported a Blacksburg Freshwater Heritage Tour (9/18/18). The Town supported Household Hazardous Waste Days that were held once a month, and implemented a Storm drain Art program as a pollution prevent event.

Steppin' Out Festival

Description

The Steppin Out Festival is an outdoor festival that features over 200 artists, music events, and community education opportunities. This two-day festival is located in downtown Blacksburg where the entire downtown area is converted into a pedestrian friendly venue for enjoyment and education.



Collaboration with other MS4s

Virginia Tech - VAR040049

Metric (200 Citizens)

This festival provides the opportunity for staff to interact with citizens in a natural setting where input, complaints and concerns can be communicated. Additionally, the Town and Virginia Tech have a booth setup where informational items and free content can be shared with the community.

The goal of the Town is to interact with at least 200 citizens from the community to share ideas, provide educational content and be available for input. This past permit year, the booth received over 300 visitors. They picked up free pet waste dispensers, stormwater coloring books for kids, magnets with contact information for Virginia Tech and had the opportunity to speak with a staff member from the Town of Blacksburg.

New River Valley Home Expo



Description

The New River Valley Home Builder's Association Home Expo has gained the reputation as one of the finest home exhibition in the area thanks to the quality of the exhibitors and the guests. This event is held at the Christiansburg Recreation center and includes more than 140 booths, a silent auction and live training and home improvement workshops.

Collaboration with other MS4s

Virginia Tech - VAR040049

Montgomery County - VAR040134

Town of Christiansburg - VAR040025



Metric (100 Town residents)

This exposition provides the opportunity for staff to interact with citizens in a natural setting where input, complaints and concerns can be communicated. Additionally, the Town of Christiansburg, Montgomery County and Virginia Tech share a stormwater booth setup where informational items and free content can be shared with the community. The Town considers interacting with at least 100 citizens at the expo a metric of success.

The Expo is attended by residents from all nearby localities and Blacksburg has approximately 15% of the attendees. The Expo had an estimated 1,500 attendees, approximately **225** were Blacksburg residents.

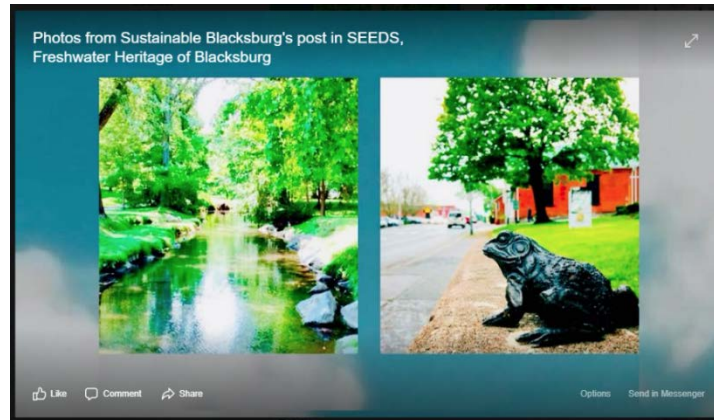
Blacksburg Freshwater Heritage Walking Tour

Description

Join the Blacksburg Museum & Cultural Foundation and the Blacksburg Price House Nature Center (SEEDs) for a free historic walking tour highlighting the Freshwater Heritage of Blacksburg led by Mike Rosenzweig.

Find your connection to Stroubles Creek, and to the New River and Gulf of Mexico. We'll follow the trail of the stream and discover why the 16 original blocks of Blacksburg were founded in this area. Be prepared with appropriate clothes, water and snacks. We'll find some of Blacksburg's most historic locations and also find a few of the 16 (bronze sculpted) Green Frogs installed so far as part of the "16 Frogs" project that SEEDs is part of developing. *Kid and Family friendly

Location/Directions: Meet up at SEEDs/Blacksburg Nature Center at the Price House, 107 Wharton Street SE



Metric (15 residents)

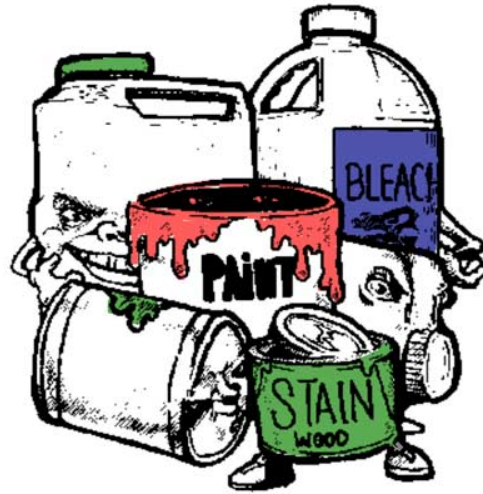
This Tour which is typically performed once a year provides the opportunity for citizens to walk the downtown area and see some of the historical markers that are part of Blacksburg's freshwater history. Blacksburg's settlement has historically been documented to be strongly associated with the existence of Stroubles Creek as a fresh water source. This Tour takes attendees to the few locations where Stroubles creek still flows aboveground and discusses the long history of this stream and how the local connection to the creek has changed over past decades depending on the direct need for it to provide drinking water.

The Tour is typically attended by 7-20 attendees. This past year there were **12** attendees. The Town would like to advertise this even better in future years to increase attendance.

Household Hazardous Waste Days

Description

The Town of Blacksburg collaborates with Montgomery County (VAR040134) and the Town of Christiansburg (VAR040025) to provide a permanent Household Hazardous Waste facility that will accept residential waste on a monthly basis, on the 3rd Saturday of the month.



Acceptable Items at Monthly Collection Events

The following items are accepted at monthly collection events, with limitations of 75 pounds of solids and 5 gallons of liquids:

Cleaning Products

Pool chemicals

Tub / tile / shower cleaners

Wood and metal cleaners / polishes

Aerosol cans

Workshop / Painting Supplies

Adhesives and glue

Fixatives and other solvents

Furniture strippers

Oil or enamel-based paint

Latex paint

Paint strippers and removers

Paint thinners and turpentine

Photographic chemicals

Stains and finishes

Moth repellants

Mouse and rat poisons

Batteries

Alkaline / Zinc Carbon Batteries

Rechargeable Lithium Ion (Li-ion) batteries

Driveway Sealer

Fertilizer

Herbicides

Insecticides

Pesticides

Weed killers

Wood preservatives / fungicides

Aerosol cans

Gas / oil mixtures

Home-heating oil

Kerosene

Lighter fluid

Nail polish removers Propane tanks/cylinders (1 to 20 lbs)

Air-conditioning refrigerants

Antifreeze

Automotive batteries

Carburetor and fuel injector cleaners

Gasoline / diesel fuel

Motor oil

Starting fluids

Transmission and brake fluid

Light bulbs - Fluorescent and incandescent

Metallic mercury

Pool / spa chemicals

Mercury-containing thermostats

Mercury thermometer

Metric (100 residents)

Free monthly collection events take place the third Saturday of each month, beginning at 9:00 am and ending at noon for the residents of Montgomery County, Towns of Blacksburg and Christiansburg. Preregistration is required to bring items to these events. This enables us to have adequate staff on hand to assist with the unloading of materials and traffic flow.

This past year there were **113** attendees. The Town considers this a success.

Appendix C: List of Illicit Discharges

Illicit Discharges for 2018-19 Permit Year

The Town has established an ordinance to prohibit illicit discharges that was adopted by Town Council in spring of 2008 and again in 2014 as part of a Comprehensive Stormwater Ordinance. The Town will track and enforce all known instances of illegal dumping and illicit discharges in a GIS database. The GIS database will be used to detect trends and identify repeat offenders.

Last reporting period, the Town had **20** confirmed illicit discharges. The standardization of the illicit discharge protocol has established a guideline for scheduling, identifying and eliminating illicit discharges. All actions have been in conformance with this protocol.

Date	Type	Severity	Notification	Contact List	Response	Enforcement	Actions	Status	Site Name
8/6/2018	SSO	Minor - no impact to MS4	TOB Public Works	TOB Public Works	Site visit; clean-up	None	Clean-up. Area sanitized.	Closed	Northside Park PS; 500 Craig Dr
9/23/2018	SSO	Major - surface waters impacted	TOB Public Works	TOB Public Works	Site visit; clean-up	None	Clean-up. Area sanitized.	Closed	Karr Heights PS; 1408 Briarwood Dr
10/11/2018	SSO	Major - surface waters impacted	TOB Public Works	TOB Public Works	Site visit; clean-up	None	Clean-up. Area sanitized.	Closed	Hospital PS; 891 Hospital Dr
10/15/2018	Oil Spill (Margaret Beeks)	Minor - no impact to MS4	TOB Engineering	Engineering, Property Owner	Site visit; clean-up	None	Clean-up provided by Public Works. Leaking truck not found.	Eliminated 10/15/2018	Roadway
10/15/2018	Oil Spill (Progress Street)	Minor - no impact to MS4	TOB Engineering	Engineering, Property Owner	Site visit; clean-up	None	Clean-up provided by Public Works. Leaking truck was not found.	Eliminated 10/15/2018	Roadway
10/25/2018	SSO	Minor - no impact to MS4	TOB Public Works	TOB Public Works	Site visit; clean-up	None	Clean-up. Area sanitized. Suspected utility bore through lateral repaired.	Closed	Blacksburg Fire Station #2: 2700 Prices Fork Road

12/3/2018	SSO	Major - surface waters impacted	TOB Public Works	TOB Public Works	Site visit; clean-up	None	Clean-up. Area sanitized.	Closed	Haymarket Square; 2700 Newton Ct;
12/4/2018	Underground Storage Tank - Discharge	Minor - no impact to MS4	DEQ	DEQ	Referred to Robert Howard in Remediation.	None	Referred to Remediation (DEQ)	Closed	2701 Prices Fork Road; Old Car Wash/Exxon Station
12/26/2018	Unknown	Moderate - Reached MS4 System	TOB Engineering	Engineering	Site visit	None	Re-inspection 12/26/18; 1/2/19 & 2/18/19 source never confirmed; no additional discharges	Closed 2/25/2019	Farmers Market
1/23/2019	SSO	Major - surface waters impacted	Virginia Tech	Virginia Tech, TOB Public Works	Pollution report being managed by a media-specific program.	None	Clean-up. Area sanitized. Investigation to ownership of sewer infrastructure. It is on the VT - TOB jurisdictional boundary.	Closed	708 Southgate Drive
1/28/2019	Concrete Release; (Kipps Farm Subd)	Moderate - Reached MS4 System	TOB Engineering	Engineering	Site visit	Verbal	Concrete removed from the inlet.	Eliminated 1/28/2019	Kipps Farm Subdivision (Single Family Home Construction)
2/1/2019	SSO - Sanitary Sewer Overflow	Major - surface waters impacted	Public Works, Engineering, DEQ, VDH	Public Works, Engineering, DEQ, VDH	Site visit; Temporary fix. Additional site work to confirm source;	Verbal from Town to Owner. Letter from VDH.	Clean-up. Owner addressed issues from lateral. Public Works improved connection.	Eliminated discharge 2/4/2019. All follow-up work completed by 2/15/2019.	First Baptist Church; 307 Penn St.

2/21/2019	SSO - Sanitary Sewer Overflow	Major - surface waters impacted	TOB Public Works	TOB Public Works	Site visit; clean-up	None	Clean-up. Area sanitized.	Closed	Karr Heights PS; 1408 Briarwood Dr
2/23/2019	SSO - Sanitary Sewer Overflow	Major - surface waters impacted	TOB Public Works	TOB Public Works	Site visit; clean-up	None	Clean-up. Area sanitized.	Closed	Murphy's PS; Georgia Street
3/14/2019	Sediment Release (VT Quarry)	Major - surface waters impacted	Citizen to DEQ	DEQ, DMME, Water Compliance	Unknown.	Unknown.	Unknown.	Under Investigation	2175 Maple Ln
3/19/2019	Sediment Release (VTCIDLLC)	Major - surface waters impacted	TOB Engineering, Virginia Tech MS4	Engineering	Site visit; Identified source in Virginia Tech MS4 Jurisdiction	Outside of MS4	Outside of MS4	Outside of MS4	VTCIDLLC Construction Project
3/30/2019	SSO - Sanitary Sewer Overflow	Minor - no impact to MS4	TOB Public Works	TOB Public Works	Site visit; stabilized.	None	Clean-up. Area sanitized.	Under Investigation	Kipp's Farm Pump Station; 1408 Briarwood Drive
4/20/2019	Sediment Release	Major - surface waters impacted	TOB Engineering	TOB Engineering, TOB Public Works	Site visit; stabilized.	None	Area stabilized.	Closed	Blacksburg Gateway Trail project, 2650 Meadowbrook Dr
4/26/2019	SSO - Sanitary Sewer Overflow	Minor - no impact to MS4	TOB Public Works	TOB Public Works	Site visit; stabilized.	None	Step Steg tank repaired. Area sanitized.	Closed	1506 Poplar Ridge Circle
5/5/2019	SSO - Sanitary Sewer Overflow	Minor - no impact to MS4	TOB Public Works	TOB Public Works	Site visit; stabilized.	None	Blockage removed. Area sanitized.	Closed	200 Faculty Street

Appendix D: Maintenance Performed on Town-Owned/Operated Stormwater Facilities

#	Type	Owner	Location	Inspected	Maintenance Needed
6	Detention Basin	Town of Blacksburg	Maple Ridge Phase 3	4/8/2019	EROSION REPAIR, VEGETATION OF THE EMBANKMENT REMOVED
12	Detention Basin	Town of Blacksburg	Northside (undeveloped park)	8/12/2019	ROUTINE
15	Detention Basin	Town of Blacksburg	Shenandoah	4/8/2019	EROSION REPAIR - STILL NEEDED
16	Detention Basin	Town of Blacksburg	Shenandoah	4/8/2019	EROSION REPAIR - STILL NEEDED
21	Detention Basin	Town of Blacksburg	Collegiate Suites	4/8/2019	RETROFIT
22	Detention Basin	Town of Blacksburg	Owens Street Park	5/31/2019	DEBRIS REMOVAL
24	Detention Basin	Town of Blacksburg	Francis Lane Lower	4/8/2019	ROUTINE
24	Detention Basin	Town of Blacksburg	Francis Lane Upper	4/8/2019	ROUTINE
32	Detention Basin	Town of Blacksburg	Golf Course (graves ave)	4/9/2019	ROCK REMOVAL - ROUTINE
37	Detention Basin	Town of Blacksburg	Village at Toms Creek No. 2	5/21/2019	ROUTINE
41	Bioretention	Town of Blacksburg	Wilson Ave.	4/8/2019	PLANT REPLACEMENT, INVASIVE REMOVAL
41	Infiltration	Town of Blacksburg	Wong Park - Wilson Avenue	4/8/2019	ROUTINE
49	Detention Basin	Town of Blacksburg	Trillium Place No. 1	9/23/2019	INVASIVE REMOVAL - STILL NEEDED
49	Detention Basin	Town of Blacksburg	Trillium Place No. 2	9/23/2019	INVASIVE REMOVAL - STILL NEEDED
79	Detention Basin	Town of Blacksburg	Blacksburg Transit	4/8/2019	ROUTINE
81	Underground Detention	Town of Blacksburg	Turner Street Improvements	6/4/2019	ROUTINE

81	Manufactured Treatment Device - Contech Hydro Sep	Town of Blacksburg	Turner Street Improvements	6/4/2019	ROUTINE
108	Bioretention	Town of Blacksburg	Community Center Patrick Henry Drive	4/30/2019	ROUTINE
108	Bioretention	Town of Blacksburg	Community Center Patrick Henry Drive	4/30/2019	ROUTINE
108	Detention Basin	Town of Blacksburg	Community Center Patrick Henry Drive	4/30/2019	ROUTINE
109	Detention Facility	Town of Blacksburg	Public Works Inert Debris Site	8/15/2019	ROUTINE
127	Detention Basin	Town of Blacksburg	Interchange 3A - 21D-1	8/15/2019	ROUTINE
136	Detention Basin	Town of Blacksburg	Gardenspring SUBDV - 1800 Gardenspring	5/31/2019	ROUTINE
140	Extended Detention	Town of Blacksburg	Progress/Givens Extension Project	4/8/2019	ROUTINE
140	Wet Pond	Town of Blacksburg	Progress/Givens Extension Project	4/8/2019	ROUTINE
141	Underground Detention	Town of Blacksburg	Floyd - Montgomery Regional Library	8/16/2019	DEBRIS REMOVAL
143	Bioretention	Town of Blacksburg	407 Hubbard St - Fire Station South	4/30/2019	PLANT REPLACEMENT
144	Extended Detention Basin	Town of Blacksburg	Blacksburg UCB Improvements and SWM retrofit	9/23/2019	ROUTINE
149	Bioretention	Town of Blacksburg	College Avenue Improvements	9/28/2019	PLANT REPLACEMENT
149	Bioretention	Town of Blacksburg	College Avenue Improvements	9/28/2019	PLANT REPLACEMENT
149	Bioretention	Town of Blacksburg	College Avenue Improvements	9/28/2019	PLANT REPLACEMENT
149	Bioretention	Town of Blacksburg	College Avenue Improvements	9/28/2019	PLANT REPLACEMENT
149	Bioretention	Town of Blacksburg	College Avenue Improvements	9/28/2019	PLANT REPLACEMENT
149	Bioretention	Town of Blacksburg	College Avenue Improvements	9/28/2019	PLANT REPLACEMENT

149	Bioretention	Town of Blacksburg	College Avenue Improvements	9/28/2019	PLANT REPLACEMENT
149	Bioretention	Town of Blacksburg	College Avenue Improvements	9/28/2019	PLANT REPLACEMENT
153	Detention Basin	Town of Blacksburg	Karr Heights Pump Station	5/3/2019	TREE REMOVAL - NOT COMPLETE
159	Detention Basin	Town of Blacksburg	KIPPS Elementary Stormwater Facility	8/16/2019	ROUTINE - BEE REMOVAL
162	Underground Detention	Town of Blacksburg	Clay Street Extension Box Culvert	9/23/2019	ROUTINE
165	Bioretention	Town of Blacksburg	Commerce St Extension	6/3/2019	ROCK, SEDIMENT REMOVAL & RODENT REMOVAL
165	Bioretention	Town of Blacksburg	Commerce St Extension	6/3/2019	ROCK, SEDIMENT REMOVAL & RODENT REMOVAL
165	Bioretention	Town of Blacksburg	Commerce St Extension	6/3/2019	ROCK, SEDIMENT REMOVAL & RODENT REMOVAL
165	Bioretention	Town of Blacksburg	Commerce St Extension	6/3/2019	ROCK, SEDIMENT REMOVAL & RODENT REMOVAL
165	Bioretention	Town of Blacksburg	Commerce St Extension	6/3/2019	ROCK, SEDIMENT REMOVAL & RODENT REMOVAL
165	Bioretention	Town of Blacksburg	Commerce St Extension	6/3/2019	ROCK, SEDIMENT REMOVAL & RODENT REMOVAL
168	Filterra	Town of Blacksburg	Whipple Drive	4/8/2019	ROUTINE
173	Bioretention	Town of Blacksburg	Motor Company Building	4/30/2019	ROCK ADDED + ROUTINE
173	Bioretention	Town of Blacksburg	Motor Company Building	4/30/2019	ROCK ADDED + ROUTINE
173	Bioretention	Town of Blacksburg	Motor Company Building	4/30/2019	ROCK ADDED + ROUTINE
173	Permeable Pavement	Town of Blacksburg	Motor Company Building	4/30/2019	ROCK ADDED + ROUTINE
173	Permeable Pavement	Town of Blacksburg	Motor Company Building	4/30/2019	ROCK ADDED + ROUTINE
174	Detention Basin	Town of Blacksburg	Community Center Patrick Hentry Drive	4/30/2019	PIPE REPLACEMENT & REPAIR

174	Bioretention	Town of Blacksburg	Community Center - Kaboose Park Entrance Road	4/30/2019	ROUTINE
214	Water Quality Swale	Town of Blacksburg	Blacksburg Rescue Squad Building	4/17/2019	FILLING EROSION SPOTS, REPAIR WEIR, NEW MULCH
214	Pervious Pavement	Town of Blacksburg	Blacksburg Rescue Squad Station	4/17/2019	ROUTINE
214	Pervious Pavement	Town of Blacksburg	Blacksburg Rescue Squad Station	4/17/2019	ROUTINE
218	Water Quality Swale	Town of Blacksburg	Progress Street Parking Lot	6/4/2019	ROUTINE
237	Bioretention	Town of Blacksbug	The Park at South Point	6/4/2019	ROUTINE
237	Bioretention	Town of Blacksburg	The Park at South Point	6/4/2019	ROUTINE
257	Compost Amended Soils	Town of Blacksburg	Huckleberry Trail - Linwood	4/17/2019	ROUTINE

Appendix E: Schedule of Staff Training

Appendix E: Schedule of Training for 2018-19			
Applicable Staff	Certifications (date)	Training Classes	Attendees
Engineering Staff - Engineer – Stormwater (1) Engineer – Construction (1) Inspector - Utility and ESC (1) Inspector – ESC (1)	Dual ESC/SWM Combined Administrator PE (ESC Plan Reviewer) Dual ESC/SWM Inspector ESC Inspector	ESC/SWM Training	
		Stormwater Inspector: 1/15/19 – 1/16/19	1
		2019 General Permit Update (webinar)	1
		Plants in ESC Control: 4/17/19	1
		Inspecting Non-Std Practices: 4/18/19	1
Emergency Services Staff - Fire - 2 employees (50 volunteers) Rescue – no employees (volunteer only) Police Captains (2) Alfa, Bravo, Charlie, Delta Shift(s) – (16) Investigations (8) Community Services (7)	Hazmat Awareness and Operations (online) Hazmat Awareness and Operations (online)	Spill Response for Emergency Services	Scheduled Training for 2019-20
Horticulturist (1) Horticulture Crew (3)	Certified Fertilizer Applicator (CFA) Training	Fertilizers, Pesticides and Landscaping Material Waste (online training)	4
Parks Staff – Director & Assistant Director of Parks and Recreation (2) Golf Course Supervisor and staff (4) Outdoor Programs Supervisor (1) Athletic Supervisor (1) Community Programs/Special Events Supervisor (1)		Illicit Discharge Prevention Gold Course/Cemetery Maintenance	Scheduled Training for 2019-20
Public Works Staff – Sustainability Manager (1) Water & Wastewater Crews (10) Field Operations Crews (24) Fleet Operations Staff (3) Blacksburg Transit Management (8)		Operations and Maintenance Trainings	Scheduled Training for 2019-20
		Illicit Discharge Prevention	
		Wastewater Prevention	
		Municipal Wash Water	
		Utility, Construction & Maintenance	
		Bulk Storage Area Discharge Prevention	
		Municipal Automobiles & Equipment Discharge Prevention	