



City of Bristol, Virginia

Year 2 MS4 Annual Report

Permit No. VAR040048

General VPDES (Virginia Pollutant Discharge Elimination System) Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems



Department of Public Works
300 Lee Street
Bristol, VA 24201
276-645-7363

General VPDES Permit for Small Municipal Separate Storm Sewer Systems

Permit No. VAR040048

Permit Year 2 Annual Report

July 1, 2014 – June 30, 2015

City of Bristol, Virginia

Submitted by:

Department of Public Works

300 Lee Street

Bristol, VA 24201

276-645-7363

With Assistance from:

Amec Foster Wheeler Environment & Infrastructure, Inc.

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CERTIFICATION

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

John H. Pordy City Manager
Name Title

1/11/16
Date

1. Introduction

This Permit Year 2 (PY2) Annual Report has been prepared by the City of Bristol, Virginia (City) Department of Public Works in accordance with the requirements of the General VPDES (Virginia Pollutant Discharge System) Permit for Discharges of Stormwater from Municipal Separate Storm Sewer Systems (9VAC25-890-40), referred to herein as the MS4 permit. The City was originally issued coverage under MS4 permit VAR040048 on July 8, 2003. The Department of Environmental Quality (DEQ) reissued the permit on July 1, 2013 for period five years. The permit will expire June 30, 2018.

Under the terms of the MS4 permit, the City has developed a Municipal Separate Storm Sewer System (MS4) Program Plan to implement six minimum control measures aimed at reducing the discharge of pollutants to the “maximum extent practicable”. The minimum control measures (MCMs) are shown in the table below.

Table 1. MS4 Permit Minimum Control Measures

1. Public Education and Outreach	4. Construction Site Runoff Control
2. Public Participation and Involvement	5. Post-Construction Runoff Control
3. Illegal Discharge Detection and Elimination	6. Pollution Prevention and Good Housekeeping

The MS4 permit requires that the City submit annual reports no later than October 1st covering the reporting period of the preceding July 1st through June 30th. This PY2 Annual Report covers period of July 1, 2014 through June 30, 2015. Part II E 3 of the MS4 permit outlines the requirements of the annual report:

- Background information, including (i) the name and permit number of the program submitting the annual report, (ii) the annual report permit year, (iii) modifications to any operator’s department’s roles and responsibilities, and (iv) number of new MS4 outfalls and associated acreage by HUC added during the permit year, and (v) signed certification.
- The status of compliance with permit conditions, an assessment of the appropriateness of the identified best management practices toward achieving the identified measurable goals and progress towards achieving the identified measurable goals for each of the minimum control measures.
- Results of information collected and analyzed, including monitoring data, if any, during the reporting period.
- A summary of the stormwater activities the operator plans to undertake during the next reporting cycle.
- Changes in any identified best management practices or measureable goals for any minimum control measures, including steps to be taken to address any deficiencies.
- Notice that the operator is relying on another government entity to satisfy some of the permit obligations, if applicable.
- The approval status of any qualifying local programs pursuant to Section II C of the MS4 permit, if appropriate, or progress towards achieving full approval of these programs.
- Information required for any applicable total maximum daily load (TMDL) special condition contained in Section I.

In addition to the above, this annual report specific reporting requirements for each MCM required by the MS4 Permit.

- A list of the education and outreach activities conducted during the reporting period for each high-priority water quality issue, the estimated number of people reached, and an estimated percentage of the target audience or audiences reached.
- A list of the education and outreach activities that will be conducted during the next reporting period for each high-priority water quality issue, the estimated number of people that will be reached, and an estimated percentage of the target audience or audiences that will be reached.
- A web link to the MS4 Program Plan and annual report and documentation of compliance with public participation requirements.
- A list of any written notifications of physical interconnection given to other MS4 operators.
- The number of illicit discharges identified during the reporting period and a narrative of how they were controlled or eliminated.
- The total number of outfalls screened, the screening results, and detail of any necessary follow up actions.
- Regulated land-disturbing activities data tracked under Section II 4, including total regulated activities, number of acres disturbed, and inspections conducted.
- A summary of enforcement actions taken, including the total number and type of enforcement actions for land-disturbing activities.
- All known permanent stormwater management facility data tracked under Section II B 5 b (6) submitted in a database format to be prescribed by the department.
- The total number of stormwater management facility inspections completed and, when applicable, the number of enforcement actions taken to ensure long-term maintenance.
- A summary report on the development and implementation of daily operating procedures, required SWPPPs, turf and landscape nutrient management plans (NMPs) and training programs.

2. Background Information

This section provides background information as required in Part II E 3 of the MS4 permit.

Table 2. Background Information

Name of Operator	Permit Year		Permit Number	
City of Bristol	Permit Year 2		VAR040048	
Modifications to Roles and Responsibilities: None				
New MS4 Outfalls:	Beaver Creek (TH21)		Little Creek (TH21)	
	Outfalls	Drainage Area	Outfalls	Drainage Area
	None	None	None	None

MS4 permit compliance activities are coordinated through the Engineering Division of the Department of Public Works. The organization of the City’s Stormwater Management Program is shown in Table 3. The key City personnel with major stormwater management functions or

responsibilities are referenced in this table. Additional information about City staff responsibilities can be found in the MS4 Program Plan. There have been no changes to City departments or agencies that carry out the MS4 Program Plan to those listed in the prior years (PY1) annual report.

Table 3. Stormwater Management Organization and Responsibilities

Key City Staff	Responsibilities*
City Engineer	Oversight and coordination Reporting and VDEQ liaison Public Education MCM: BMPs 1.1-1.5 Public Involvement MCM: BMP 2.1 - 2.3 Illicit Discharge MCM: BMPs 3.1 – 3.4 Construction Site MCM: BMPs 4.1 – 4.3 Post-Construction Site MCM: BMPs 5.1 – 5.4
Public Works Director	Good Housekeeping MCM: BMPs 6.1 - 6.6, 6.8-6.10
Golf Course General Manager	Good Housekeeping MCM: BMPs 6.2 - 6.7
City Manager	MS4 permit required signatory certifications

*Refer to Section D of City of Bristol, Virginia Municipal Separate Storm Sewer (MS4) Program Plan for a description of each BMP.

3. Status of Compliance with PY2 Permit Conditions

This section provides the City’s assessment of the status of Best Management Practices (BMPs) implemented during PY2 for each of the six MCMs. Each MCM is addressed in individual subsections. At the beginning of each subsection is a summary table that describe the BMP, the implementation year, the measurable goal as it was described in the MS4 Program Plan, and status of the BMP. The implementation year column may include a separate year in parenthesis to identify tasks scheduled for completion in subsequent permit years. Following the summary table for each MCM is a more detailed discussion of the implementation status of each BMP and a description of the measure of BMP effectiveness.

MCM #1. Public Education and Outreach

Table 4 provides a summary of ongoing annual BMPs and new BMPs performed in PY2 for MCM #1 along with their completion status.

Table 4. Public Education and Outreach BMPs

BMP/Task	Year	Measurable Goal	Status
1.1 Education on Bacteria from Pet Waste			

BMP/Task	Year	Measurable Goal	Status
Develop and make available educational information about fecal bacteria (in Beaver Creek and Little Creek).	PY1	Report the number and types of flyers distributed per the MS4 Program Plan.	Complete
1.2 Education on Control of Sediment from Land-Disturbing Activities			
Produce and make available educational flyers.	PY2- PY5	Report the number of LDP or AILP applicants who receive the flyer per the MS4 Program Plan.	Complete
Continue to participate in regional educational programs.	PY2- PY5	Report the number and type of collaborative efforts with Boone Watershed Partnership, NRCS, Holston River Soil and Water Conservation District and others.	Complete
1.3 Education on Litter			
Provide information of the impact of litter on stormwater quality on the City's website.	PY2- PY5	Report approximate number of citizens reached per the MS4 Program Plan.	Complete
1.4 Educational Activities for Children			
Update and continue to provide Water Resources Notebook to educators as an instructional supplement in K-12 classrooms.	PY2- PY5	Summarize activities related to the Water Resource Notebook	Complete
Continue to look for additional partnering and promotional opportunities, particularly with local students.	All	Document any new partnering opportunities. [Appendix A] A]	Complete
1.5 Stormwater Educational Information Posted on Website			
Place content related to educating the public on stormwater issues on the City's website.	All	Summarize any changes to the City's website related to providing information on stormwater quality to the public.	Complete

Public Education and Outreach Program

The MS4 Program Plan includes a Public Education and Outreach program which is integrated into the BMPs for MCM #1. The program seeks to change pollution-causing behaviors. The compliance activity for PY2 was to implement the public education program, which is shown the BMPs that follow.

Identification of High-Priority Water Quality Issues: The MS4 permit requires the City to identify a minimum of three high-priority water quality issues that contribute to stormwater pollution and provide a rationale for their selection. The City identified the following high-priority

water quality issues and their source(s) for the focus of the public education program during the current (2013-2018) permit cycle:

1. Bacteria from pet waste;
2. Sediment from land-disturbing activities; and
3. Litter from improper trash disposal.

The rationale for the chosen high-priority water quality issues is presented in the MS4 Program Plan.

The Public Education and Outreach program must be designed to annually reach approximately 20% of the target audience for each high-priority water quality issue. Activities to address each issue are listed as BMPs.

In each annual report, the City is required to evaluate its Public Education and Outreach program to determine whether adjustment of target audiences and messages, including educational materials and delivery mechanisms to reach target audiences, is needed.

1.1. Education on Bacteria from Pet Waste

BMP Implementation

The City produced and distributed educational flyers to provide information about the impacts of stormwater pollution and ways that members of the community can help prevent pollution in stormwater runoff. The flyer includes information about the hazards of pet waste on local waterways and the importance of cleaning up after pets, and litter prevention. The City distributed the flyers at three pet-themed events: Woofstock; Bark in the Park; and Music & Movies. During the previous permit cycle, the City installed 25 pet waste stations at Mumpower Park.

Measure of Effectiveness

In PY1, the City developed the Stormwater Education and Outreach program. It also engaged and educated citizens about bacteria introduced by pet waste through the use of the educational flyer. The flyer provides guidance on ways to minimize the introduction of pet waste to local stream and educates the general public on fecal bacteria pollution. A memorandum dated July 20, 2015, along with a copy of the flyer documents an example of the type of flyer distribution efforts that occurred during PY2. The City distributed approximately 450 flyers during PY2. This information is found in Appendix A.

The City is considering the incorporation of appropriate signage in City parks to link pet waste cleanup to water quality as an enhancement to their Public Information and Education program. More detail on this consideration is provided in the MS4 Program Plan.

1.2. Education on Prevention of Erosion and Control of Sediment from Land-Disturbing Activities

The City has modified its MS4 Program Plan to indicate it will implement this BMP beginning in PY3. See Section 6 of this PY2 Annual Report for details.

1.3. Education on Litter Prevention

The City will implement this BMP beginning in PY3 per the Stormwater Education and Outreach program of the MS4 Program Plan.

1.4. Educational Activities for Children

The City will revise this BMP beginning in PY3 per the Stormwater Education and Outreach program of the MS4 Program Plan.

Measure of Effectiveness

For PY2, the City collaborated with non-profit groups and the Natural Resources Conservation Service to hold Youth Conservation Camp September 3 through 5, 2013, which educated approximately 720 area students (3rd & 4th grade). The event was held at Sugar Hollow Park. A memorandum dated September 25, 2014 provides the details of this event and can be found in Appendix A.

1.5. Educational Website

BMP Implementation

The City continues to host and update a stormwater management webpage on the City's website. The webpage includes educational information about the impacts of stormwater pollution and ways that members of the community can help prevent pollution in stormwater runoff. In PY2, the PY1 Annual Report and other stormwater-related educational content links were added to the website.

Measure of Effectiveness

The City conducted the annual assessment of this BMP to determine if any changes are needed. It was determined that the website continues to be a cost effective way to provide educational information to the general public and that no changes were needed in PY1. The webpage is located at: <http://www.bristolva.org/index.aspx?NID=441>.

MCM#2. Public Involvement/Participation

Table 5 provides a summary of ongoing annual BMPs and new BMPs performed during PY2 for MCM #2 along with their completion status.

Table 5. Public Involvement BMPs

BMP/Task	Year	Measurable Goal	Status
2.1 Public Notice Requirement			
Comply with public notice requirements.	All	Document public notices issued related to the stormwater program and MS4 permit.	Complete
2.2 Participation in Local Activities			
Participate, through promotion, sponsorship, or other involvement.	All	Participate in a minimum of four local activities annually.	Complete

2.1. Public Notice and Participation

BMP Implementation

The City meets permit requirements with respect to public notice and comment receipt related to the City's stormwater management program and permit. The City utilizes www.Civicplus.com to disseminate notices related to City policymaking. This service allows citizens to opt-in to receive

notices. Users are directed to a webpage where they can view meeting announcements, agendas and other materials.

Measure of Effectiveness

The City posts copies of the City Council agenda and meeting minutes as appropriate and users of the site can receive text or email alerts and notices when the items are available. The Civicplus.com program is free to subscribers and open to the public and invites the public to become aware of and participate in City government. The PY1 Annual Report and MS4 Program Plan is posted Stormwater Management webpage and the PY2 Annual Report will be posted within 30 days of submittal to DEQ. In PY2, no public meetings were held which addressed the MS4 program.

2.2. Participation in Local Activities

Household Hazardous Waste Collection

BMP Implementation

The City continues to hold and advertise Household Hazardous Waste (HHW) Collection Days to provide citizens with an opportunity to properly dispose of their household hazardous waste at the Public Works Facility. In PY2, the City held two HHW Collection events, each were held in the fall (November 11, 2014) and spring (April 25, 2015). The City provides advertisements to promote the HHW Collection Day events. Advertisements included flyers and website promotion. The City maintains a manifest of materials collected and the number of households that participate.

Measure of Effectiveness

The City held two HHW Collection events in PY2. The fall event engaged 81 participants, while the spring event garnered 104 participants. The results from the HHW Collection Days are included in Appendix B.

Partner with Keep Bristol Beautiful Organization

BMP Implementation

The City continues to partner with the *Keep Bristol Beautiful* organization on various river clean-up/trash collection event days.

In PY2, the City assisted Keep Bristol Beautiful on the following events:

- South Holston Lake and River Cleanup - August 9, 2014 - 450 volunteers - 11 tons of litter
- America Recycles Day – November 15, 2014 - 200 volunteers – Truckload of e-waste
- Great American Cleanup - April 25, 2015 - 200 volunteers - 3 tons of litter and e-waste

Keep Bristol Beautiful coordinates the activities for the river clean-up/trash collection days. The organization coordinates event logistics, including the provision of bags, gloves, and other supplies needed for the river clean-up efforts. *Keep Bristol Beautiful* also prepares advertisements to encourage civic groups, churches, organizations, youth groups, schools, clubs, and businesses to participate. The City provides for the collection of bagged trash gathered by volunteers and community service workers.

Measure of Effectiveness

Documentation on the overall effectiveness of each event for its intended purpose (e.g., number

of volunteers, trash and e-waste collected during river clean-up events, etc.) is provided above and in a memorandum dated September 25, 2015, provided in Appendix B.

MCM#3. Illicit Discharge Detection and Elimination

Table 6 presents a summary of ongoing annual BMPs and new BMPs performed during PY2 for MCM #3 along with their completion status.

Table 6. IDDE BMPs

BMP/Task	Year	Measurable Goal	Status
3.1 Stormwater Outfall Map			
Maintain an up-to-date storm sewer system map.	All	Report storm sewer system mapping updates and any new outfalls.	Complete
Collect any new data and record updates to storm sewer system map.	All	Summarize any new data and record updates to storm sewer system mapping.	Complete
Notification of physical connections given by the City to other MS4 operators.	All	Report efforts to notify interconnected MS4s (list of written notifications) as new interconnections are discovered.	N/A
3.2 Prohibition of Illicit Discharges and Tracking			
Continue to maintain and enforce Illicit Discharge Ordinance. Track the # of illicit discharges investigated.	All	Maintain and enforce the Illicit Discharge Ordinance	Complete
3.3 Illicit Discharge Program Standard Operating Procedures and Tracking			
Continue to implement Illicit Discharge Program SOP and periodically update SOP.	All	Implement the Illicit Discharge SOP, periodically review and update the SOP.	Complete
3.4 Dry Weather Outfall Screening			
Conduct outfall reconnaissance as required by the permit.	All	Report # of outfalls screened, screening results, and detail of any follow-up actions necessitated by the screening results.	Complete

3.1. Stormwater Outfall Map and Associated Table

BMP Implementation

The City maintains a stormwater outfall map, which shows all outfalls within the City and the name and location of all waters receiving discharges from the MS4 outfalls and associated HUC. The City updates the stormwater outfall map data when new outfalls are identified. No outfalls were added to the map in PY2.

No new physical interconnections to other MS4s were discovered in PY2, therefore there was no need to notify adjacent MS4s of physical interconnections.

Measure of Effectiveness

The City’s GIS mapping data serves as documentation for this BMP. The City maintains the updated stormwater outfall map through using an electronic mapping tool, Bristol GIS, each year. The City has mapped a total of 369 outfalls. The up-to-date storm sewer map and associated information table will be provided with the PY4 annual report, in accordance with the MS4 Permit Table 1.

3.2. Illicit Discharge Ordinance and Tracking

BMP Implementation

The City continues to maintain and enforce the provisions of the “Ordinance Prohibiting Illicit Discharges into and Illicit Connections to the Municipal Separate Storm Sewer System”, Part II Sec. 90, Article IV, Division 2 (adopted in June 2005), which prohibits illicit discharges into and illicit connections to the MS4 and provides appropriate enforcement and right-of-entry tools.

Measure of Effectiveness

The Illicit Discharge Ordinance serves as documentation for the BMP. No problems have been identified and no amendments have been made to the Illicit Discharge Ordinance in PY2.

3.3. Illicit Discharge Program Standard Operating Procedures and Tracking

BMP Implementation

The Illicit Discharge Program Standard Operating Procedure (SOP) is part of the MS4 Program Plan and details the policies and operational management of the illicit discharge program. The SOP also describes the assessment of potential illicit discharges/connections, follow-up investigations, reporting violations, and abatement of violations.

Measure of Effectiveness

The Illicit Discharge Program SOP is located in the MS4 Program Plan. Four (4) suspected or potential illicit discharges were investigated with follow-up and/or enforcement activities during PY1. This information is summarized in the table below, and also included in Appendix C. (Note: the appendix contains an expanded report with spill or release incidents that are not always related to illicit discharges to the MS4.) Table 7 summarizes the illicit discharge investigations that possibly could have impacted the MS4.

Table 7. Illicit Discharge Investigations

ID#	Open/Close Dates	Description	Narrative and Result
#14-00001665	8/3/2014	Tractor trailer fuel leak.	100-125 gallon of fuel leaked on island and in parking lot and stormdrains. Clamped lines and applied oil dry and protected inlets nearest the creek. Station 1 hazmat trailer was called and responded.

ID#	Open/Close Dates	Description	Narrative and Result
#14-0001704	8/08/2014	Paint spill in parking lot	Hazmat team responded
#14-0002293	11/04/2014	Crane and storage tank Hydraulic fluid spills on Interstate	Employed Stay-Dry and used absorbent pads to soak up this spill. Repaired the leaking tank and applied sand. DEQ was notified and Hepaco removed the contaminated sand.
#15-0001564	3/25/15	Hydraulic spill from trash truck	Approximate 15 gallons leaked and was contained with sand.

3.4. Dry Weather Outfall Screening

BMP Implementation

The City conducts dry weather screening of outfalls per the Illicit Discharge Program Standard Operating Procedure.

Measure of Effectiveness

Sixty-five (65) outfalls were screened during PY2. A memorandum dated September 21, 2015 describes the findings in further detail. The memorandum can be found in Appendix C.

MCM#4. Construction Site Stormwater Runoff Control

Table 8 provides a summary of ongoing annual BMPs and new BMPs performed in PY2 for MCM #4 along with their completion status.

Table 8. Construction Site Stormwater Runoff BMPs

BMP/Task	Year	Measurable Goal	Status
4.1 Oversight to Address Discharges Entering the MS4 from Land-Disturbing Activities			
Operate a local Virginia Erosion and Sediment Control Program.	All	Continue to operate a VESCP that is consistent with state regulations. The authority is provided in the Code of Ordinances, Part II, Chapter 50, Article IV-Stormwater Management and Erosion and Sediment Control.	Complete
Ensure staff continue training and remain certified.	All	Maintain copies of certifications for City staff. [Appendix D]	Complete
4.2 Public Complaint Reporting Mechanism			
Continue program of responding to citizen complaints.	All	Provide summary of citizen complaints. [Appendix D]	Complete

BMP/Task	Year	Measurable Goal	Status
4.3 Land-Disturbing Activities Tracking			
Continue to track land disturbing activities.	All	Provide summary of the total land disturbing projects and total disturbed acres. [Appendix D]	Complete

4.1. Oversight to Address Discharges Entering the MS4 from Land-Disturbing Activities

BMP Implementation

The City implements the Erosion and Sediment Control Program in accordance with State regulations. The City carries out its responsibilities as set forth in Part II, Chapter 50, Article IV-Stormwater Management and Erosion and Sediment Control. The City annually ensures that appropriate staff are trained and remain certified as required by DEQ.

Measure of Effectiveness

The effectiveness of the Erosion and Sediment Control Program is measured by consistency with State regulations as determined by staff from DEQ. Should differences between the City's program and State regulations be identified, the City will take action to address those deficiencies. No deficiencies were identified by DEQ in PY2, therefore no changes occurred to this program in PY2.

Plan review and inspection staff are trained and certified by the state. The City staff who hold the Combined Administrator's certification are listed in Appendix D. The City records whether required land-disturbing activities have obtained coverage under the VSMP Construction General Permit in its Land-Disturbing Permit database. See BMP 4.3 for more information on tracking. An inspection summary is provided in Appendix D. No formal enforcement actions were taken in PY2.

4.2. E&SC Complaint Response and Documentation

BMP Implementation

The City continues to respond to and document all citizen complaints related to erosion and sediment control issues, in accordance with the current complaint handling procedures. The City is able to receive complaints through its website, by telephone, or in person at City Hall. The City Engineer maintains a record of this information.

Measure of Effectiveness

The City received one erosion and sediment control complaint during PY2, which was recorded as incident ID# 14-04677 in the Annual Drainage Report (provided in Appendix D). It involved bank erosion on Scott St.

4.3. Land Disturbing Activities Tracking System

BMP Implementation

The City continues to track land disturbing activities. The number of permitted land disturbing activities and the acreage of permitted land disturbances for all developments and redevelopments having an area of 10,000 SF or greater is tracked through the Land-Disturbing Permit (LDP) application process. The City also continues to track the number of sites where

The City continues to maintain the Erosion and Sediment Control (E&SC) Tracking Information spreadsheet, which includes project, location, drawings, area, permit number, application type, inspector name, approval date, start date and complete date.

Measure of Effectiveness

The City is required to report the number of permitted LDP-issued sites and the number of AILP-issued sites. The E&SC Tracking Information spreadsheet is used to record the total land disturbing projects and total disturbed acreage annually for the most recent reporting year. The City tracked 16 land-disturbing activities for a total of ~92.17 acres disturbed. A table summarizing the activities tracked under the LDP, including inspections and the number and type of enforcement actions taken is included in Appendix D

MCM#5. Post-Construction Stormwater Management

Table 9 provides a summary of ongoing annual BMPs and new BMPs performed during PY2 for MCM #5 along with their completion status.

Table 9. Post-Construction Stormwater BMPs

BMP/Task	Year	Measurable Goal	Status
5.1 Maintain Local Program Consistency			
Operate a local Virginia Stormwater Management Program (VSMP).	PY2- PY5	Operate a VSMP that is consistent with state regulations. The City’s authority is provided in the Code of Ordinances, Part II, Chapter 50, Article IV-Stormwater Management and Erosion and Sediment Control.	Begin June 2014
5.2 Inspection, Compliance & Enforcement of Maintenance of Private Stormwater Facilities			
Require maintenance agreements for new development and redevelopment activities.	All	Report the number of maintenance agreements established each year.	Ongoing
Conduct inspection of private stormwater management facilities at least once every 5 years.	All	Report the number of inspections performed by the City each year.	Ongoing
Initiate enforcement procedures for private owners/operators that are non-compliant with operation and maintenance requirements.	All	Report the number and type of enforcement activities taken to address maintenance issues.	Ongoing
5.3 Inspection and Maintenance of the City-Owned Stormwater Management Facilities			
Inspect structural BMPs for proper operation.	All	Provide summary of structural BMP inspections.	Complete
5.4 Track and Report Required Stormwater Management Facility Information			

Maintain BMP tracking database.	PY 2-5	Report the number and type of BMPs within the City. [Appendix E]	Complete
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5.1. Maintain Local Program Consistency

BMP Implementation

The City implements a local Virginia Stormwater Management Program (VSMP) as of July 1, 2014. The City is authorized to implement this program through its ordinance (Code of Ordinances, Part II, Chapter 50, Article IV-Stormwater Management and Erosion and Sediment Control.). The ordinance adopts by reference *Virginia Stormwater Management Handbook* and the *Virginia BMP Handbook*. Additionally, the City uses the “City of Bristol, Virginia Supplemental Requirements to the Virginia Stormwater Management Handbook and the Virginia BMP Clearinghouse to establish its requirements and guidelines for development and stormwater management.

Measure of Effectiveness

The City adopted its revised ordinance on June 10, 2014, thus enabling the City to administer the VSMP locally.

5.2. Inspection, Compliance and Enforcement of Maintenance of Private Stormwater Facilities

BMP Implementation

The MS4 permit requires the City to conduct facility inspections at least once every five years and apply enforcement measures when necessary.

The owner/operator of new development and redevelopment activities must provide adequate long-term operation and maintenance of structural BMPs, as well as a recorded inspection schedule and maintenance agreement. For each new structural BMP the City executes a “Storm Water Facilities Maintenance Agreement” with the BMP owner. The agreement outlines inspections, maintenance and reporting by the owner, to the City as the VSMP authority. This agreement is signed by the owner and recorded at the courthouse to associate it with the property.

The MS4 Program Plan provides a schedule for the City to perform periodic inspections of existing stormwater management facilities. The plan called for inspections of 16 private stormwater management facilities in PY2.

Measure of Effectiveness

Twenty-three (23) inspections of private facilities were performed by the City although it should be noted that the City is still in the process of reviewing the inspection information to determine what, if any, enforcement actions should occur. Should enforcement actions be required, these will occur in PY3. A summary list of stormwater management facilities and which facilities were inspected is available in Appendix E.

5.3. Inspection and Maintenance of City-Owned Stormwater Management Facilities

BMP Implementation

The City owns and/or maintains 11 stormwater management facilities. These are inspected by City staff in accordance with the MS4 Program Plan. Maintenance is performed as needed. A schedule of inspection of City-owned facilities is found in the MS4 Program Plan.

Measure of Effectiveness

In PY2, the City performed routine maintenance at 7 of the eleven City-owned stormwater management facilities to ensure the long-term maintenance of each facility. A memorandum summarizing maintenance activities of City-owned stormwater management facilities is made available in Appendix E.

5.4. Track and Report Required Stormwater Management Facility Information

BMP Implementation

The City established and maintains a GIS database for tracking stormwater management facilities. Facility information housed in the database includes tax parcel information, street location, property owner name, type of facility, geographic location (HUC), the name of the impaired waterbody that the facility discharges to, permit number, and number of acres treated by the facility.

The tracking system was developed during a previous permit cycle. The City has developed specific procedures to verify that new stormwater management facilities are identified and entered in the database and that inspection and maintenance is tracked in a database. A copy of the Stormwater Facility Inspection Checklist is included in Appendix E.

For individual residential lots, maintenance agreements requiring landowners to maintain stormwater facilities located on private land must be signed per the MS4 Program Plan.

Measure of Effectiveness

The City continues to populate the tracking database with new information as new facilities are constructed. Seven (7) new stormwater management facilities were entered into the database during PY2.

This process is effective for facility tracking, so the City will continue to track information in the same manner as that described above until such time as the VSMP requires entry into a statewide database.

The City upgraded the database to allow tracking of the number of impervious acres versus the number of pervious acres treated by each facility.

MCM#6 Pollution Prevention/Good Housekeeping for Municipal Operations

Table 10 provides a summary of ongoing annual BMPs and new BMPs performed during PY2 for MCM #6 along with their completion status.

Table 10. Pollution Prevention and Good Housekeeping BMPs

BMP/Task	Year	Measurable Goal	Status
6.1 Good Housekeeping Procedures for Daily Operations to Minimize or Reduce Pollutant Discharges			
Identify good housekeeping procedures for daily operations.	PY1	The City identified three activities for which Standard Operating Procedures, or SOPs will be developed.	Complete

BMP/Task	Year	Measurable Goal	Status
Develop good housekeeping procedures for daily operations.	PY2	Three SOPs were developed for Application, Storage and Disposal of Pesticides and Fertilizers; Equipment Maintenance; and Road, Street and Parking Lot Maintenance	Complete
Implement good housekeeping procedures for daily operations.	PY3- PY5		N/A
6.2 Stormwater Pollution Prevention Plans (SWPPP) for High-Priority Facilities			
Identify high-priority facilities for which SWPPPs will be developed.	PY1	The City identified 5 High-Priority Facilities for which SWPPPs will be developed.	Complete
Develop SWPPPs for high-priority facilities.	PY2- PY3	SWPPP development	In Progress
Implement SWPPPs for high-priority facilities.	PY4- PY5	SWPPP implementation	N/A
6.3 Turf and Landscape Nutrient Management Plans (NMP)			
Identify lands and total acreage of City properties which will require NMPs.	PY1	The City identified 7 properties which will require NMPs. The total acreage is 61 acres.	Complete
Develop and implement NMPs.	PY2- PY5	Percentage of acreage of lands requiring NMP.	In Progress
6.4 Staff Training on Recognition and Reporting of Illicit Discharges by Field Personnel			
Provide biennial training for recognizing and reporting illicit discharges.	PY3- PY5	Report the dates and topics of the training event(s) and number of employees trained.	Complete
6.5 Training on Good Housekeeping and Pollution Prevention for Maintenance, Public Works, and Recreation Facility Staff			
Provide training for relevant staff per the MS4 Program Plan.	PY2- PY4	Report the dates and topics of the training event(s) and number of employees trained.	Complete
6.6 Spill Response Training for Emergency Personnel			
Document training efforts for spill response as it relates to emergency personnel.	PY1	Report the dates and topics of the training event(s) and number of employees trained.	Complete
6.7 Fertilizer and Pesticide Management			
Maintain certifications for employees using pesticides.	All	Maintain copies of certifications for City staff. [Appendix F]	Complete

BMP/Task	Year	Measurable Goal	Status
6.8 Street Sweeping Program			
Continue the street sweeping program.	All	Summarize street sweeping activities including the amount of debris removed. [Appendix F]	Complete
6.9 Stormwater System Inspection and Cleaning			
Inspect and clean components of the City stormwater system.	All	Summarize inspection and cleaning activities. [Appendix F]	Complete
6.10 Contractor Oversight Procedures			
The City will review its standard contract language to incorporate or reference the SOPs for daily operations.	PY3		

6.1. Good Housekeeping Procedures for Daily Operations to Minimize or Reduce Pollutant Discharge

BMP Implementation

The City engages in a number of daily operations such as road, street and parking lot maintenance; equipment maintenance; and the application, storage, transport, and disposal of pesticides and fertilizers. Written Standard Operating Procedures (SOPs) will help guide city employees through steps to properly perform these activities in a manner which prevents possible stormwater pollution from the activities.

Measure of Effectiveness

The City identified three (3) activities for which SOPs will be developed by the June 30, 2015 deadline. The activities identified include:

1. Road, street and parking lot maintenance;
2. Equipment maintenance; and,
3. Application, storage, transport, and disposal of pesticides and fertilizers.

6.2. Stormwater Pollution Prevention Plans for High-Priority Facilities

BMP Implementation

The City must develop Stormwater Pollution Prevention Plans (SWPPPs) for city-owned facilities that have a high potential of discharging pollutants. The Public Works Maintenance Facility and City Transit Facility operate under the VPDES General Permit for Storm Water Discharges Associated with Industrial Activity (Permit No. VAR5100338) and are not included in the MS4 Program Plan or reports.

Measure of Effectiveness

The City identified five facilities as high-priority facilities. SWPPPs will be developed and implemented for these facilities by June 30, 2017.

The facilities identified are listed below:

1. City of Bristol Landfill, 2125 Shakesville Rd.

2. Fire Station #2, 1603 Euclid Ave.
3. Randolph Field, Randolph Street
4. Sugar Hollow Park, 21361 Sugar Hollow Rd
5. Clear Creek Golf Club, 732 Harleywood Rd

6.3. Turf and Landscape Nutrient Management Plans

BMP Implementation

The City must develop and implement Nutrient Management Plans (NMPs) for lands where nutrients are applied to a contiguous area of one acre or more in accordance with § 10.1-104.2 of the Code of Virginia. The requirement for PY2 is to develop an NMP for 15% (9.15 acres) of the lands identified.

Measure of Effectiveness

The City identified 7 areas that fall under the criteria for NMP development having a total area of 101 acres. These areas are listed below.

1. Clear Creek Golf Course,
2. Sugar Hollow Soccer
3. Sugar Hollow Baseball
4. Volunteer High School Practice Field
5. Gene Malcolm Football Stadium
6. DeVault Baseball Stadium
7. Stonewall Jackson Senior League Field

The City identified Clear Creek Golf Course as the top priority for NMP development because it comprises over 80% of the total acres requiring NMPs. The golf course will be covered under a single NMP, which will be developed by the end of PY3. Completion of the golf course NMP will enable the City to exceed the MS4 permit requirement of 40% of acres covered under an NMP by June 30, 2016.

6.4. Staff Training on Recognition and Reporting of Illicit Discharges by Field Personnel

BMP Implementation

The City provides training for appropriate City staff on how to recognize potential illicit discharges, record relevant observations, and report to the proper staff for follow-up. This training will be provided on a biennial basis, per the MS4 Program Plan.

Measure of Effectiveness

The training is scheduled to occur in PY 3 & PY5, according to the MS4 Program Plan.

6.5. Training on Good Housekeeping and Pollution Prevention for Maintenance, Public Works and Recreation Facility Staff

BMP Implementation

The City provides training to appropriate City staff on pollution prevention and good housekeeping measures that can decrease the likelihood of possible adverse impacts on stormwater quality. Staff who perform road, street and parking lot maintenance; staff who work in and around maintenance and public works facilities; and staff working in and around recreational facilities will receive the biennial training. The City maintains training records for each employee. A list of the

position titles of employees receiving the training is provided in the MS4 Program Plan.

Measure of Effectiveness

The City will report the dates and topics of the training event(s) and number of employees trained in the reports for the permit years in which they occur.

For PY2, stormwater pollution prevention training occurred in conjunction with monthly training sessions. Annual training sessions were held March 10, 2015 for the Streets Division (19 employees), and February 11, 2015 for the Solid Waste Collection Division, (13 employees). Four employees in the Engineering Division were trained on June 30, 2015. The themes of the training sessions were Municipal Storm Water Pollution Prevention and Everyday Best Management Practices. The following topics were addressed: good housekeeping and spill prevention, outdoor storage of materials and waste, spill reporting and response, vehicle and equipment maintenance, vehicle and equipment washing, and landscaping and lawn care. A memorandum summarizing these events can be found in Appendix F.

6.6. Spill Response Training for Emergency Personnel

BMP Implementation

Public Works and Engineering staff coordinate with emergency personnel from the Bristol Volunteer Fire Department with respect incidents that affect the MS4. Fire Department personnel receive training on an annual basis for response to spills and exposure of materials to stormwater. The Fire Department is dispatched when incidents occur. The roster of Bristol Volunteer Fire Department personnel who are certified in hazardous materials response includes twenty-six Hazmat Technicians and four Hazmat specialists. Each attends OSHA refresher training each quarter, along with a live drill. All personnel at the BFVD received using the FEMA National Incident Management System 100-700 courses.

Measure of Effectiveness

A memorandum summarizing training information can be found in Appendix F.

6.7. Fertilizer and Pesticide Management

BMP Implementation

Appropriate staff maintain Virginia Department of Agriculture and Consumer Services (VDACS) certification for the handling and application of pesticides. Training is provided as needed in proper application of fertilizers and pesticides.

The Parks and Recreation Department use standard over-the-counter fertilizers and pesticides. All are used in accordance with manufacturer's recommendations and in ways to minimize the potential for pollutant discharges. Staff receives training in the proper application of such products. No contractors are used for vegetation or pest management.

The Clear Creek Golf Course has one staff member that is certified by VDACS in pesticide management. The certificate is kept on file at the Golf Course and a copy is attached in Appendix F of this report. The certified applicator oversees the use of such products at the Golf Course, and is available as required for relevant assistance and training by other City departments.

Measure of Effectiveness

During PY2, Parks and Recreation Department employees and Golf Course manager applied fertilizer and pesticides in a manner consistent with manufacturer instructions and/or best practices conveyed in the VDACS certification process.

6.8. Street Sweeping Program

BMP Implementation

The City continues to implement its ongoing street sweeping program as a means of keeping trash and particulates from entering the storm sewer system.

Measure of Effectiveness

During PY2, the City collected approximately 177.59 tons of debris during its street sweeping activities. A memorandum summarizing collection totals is included in Appendix F.

6.9. Stormwater System Inspection and Cleaning

BMP Implementation

The City implements its ongoing stormwater system inspection and clearing program as a means of keeping trash and particulates that have already entered the storm sewer system from discharges to local streams.

Measure of Effectiveness

The City engaged in a number of cleaning of debris from components of its system in PY2, including inlets, catchbasins, and conveyances. In PY2, the City utilized its vacuum truck to remove 21 tons of debris from the storm sewer system. 2.47 tons were removed manually from catch basins. The City also collected 114.85 tons of brush, and 1,193.45 tons of grass, leaves and yard waste. Additionally, 3.64 tons of litter were removed manually. Two memorandums documenting this information can be found in Appendix F.

6.10. Contractor Oversight Procedures

BMP Implementation

Though the City does not contract with commercial entities for turf or landscape management (application of pesticides and herbicides), from time to time contracted services may be procured for minor building maintenance and/or construction. In the event these services are procured, the contractor is notified of their obligation to obtain the necessary certifications, and/or use appropriate control measures and procedures for stormwater discharges to the MS4.

Contractors must follow the laws and regulations, and secure appropriate permits. In addition to meeting appropriate state and federal requirements, contractor must, at a minimum, adhere to the standard daily operating procedures for addressing potential water quality impacts and employ best practices to address stormwater discharges to the MS4. If necessary, contract language will be revised accordingly and/or contractors will be given notice of their obligations.

Measure of Effectiveness

The City will include standard contract language and/or notice given to contractors, if needed, in the PY3 annual report.

4. Results of Information Collected and Analyzed

No information, including monitoring data, was required to be collected or analyzed under the permit in PY2.

5. Summary of Activities for Next Planning Year

The City is required to provide a summary of activities it plans to undertake during the next reporting cycle (PY3). The MS4 Program Plan includes a full schedule of activities for each permit year. Information on activities that will be performed specifically in PY3, or beginning in PY3 are provided in Table 11.

Table 11. Activities Planned for PY3

BMP/Task	Permit Reference	Description
Special Conditions		
TMDL Action Plan	Section I.B	Carry out actions described in the TMDL Action Plan
Minimum Control Measure #1 – Public Education and Outreach on Stormwater Impacts		
Flyer for Pet Waste	Section II.B.1	Distribute flyer per Public Education and Outreach program of the MS4 Program Plan.
Information for Erosion Prevention from Land-Disturbing Activities	Section II.B.1	Distribute information on best practices for preventing erosion and controlling sedimentation.
Information on Litter	Section II.B.1	Distribute messages related to the relationship between litter and water quality.
Educational Activities for Children	Section II.B.1	Begin education for school-aged children.
Minimum Control Measure #3 – Illicit Discharge Detection and Elimination		
N/A	N/A	N/A
Minimum Control Measure #6 – Pollution Prevention and Good Housekeeping		
SWPPPs for required locations.	Section II.B.6.b	SWPPPs for all required facilities are developed by June 30, 2017.
Turf and Landscape NMPs	Section II.B.6.c(1)(a)	40% of city-owned turf and landscape acres fall under a NMP.
Contractor Oversight Procedures	Section II.B.6.d.4 and 5	If needed, provide language incorporated into contracts between the City and relevant commercial service providers that notifies contractors of their obligations to follow the laws, secure the appropriate permits, and adhere to the daily operating procedures for addressing potential water quality impacts and to employ best practices to address stormwater discharges to the MS4.

6. Changes in Identified BMPs or Measurable Goals

The Public Education and Outreach Plan within the MS4 Program Plan will be modified to adjust the schedule for Public Education and Outreach BMPs 1.2 through 1.5.

The timeline for BMP 6.3 has been modified to accommodate the development of a single NMP for the Clear Creek Golf Course. Development of the NMP allows the City to surpass the requirement for the minimum number of acres covered by a NMP by the end of PY3.

The timeframe for BMP 6.10 has been adjusted to PY3 to allow time for a review of whether changes in standard contract language are needed.

7. Reliance on Other Government Entities

The City relies on Bristol, Virginia Public Schools to perform a portion of its education and outreach activities identified in the MS4 permit.

8. Approval Status of Qualifying Local Programs

The City relies on implementation of the Virginia Erosion and Sediment Control Regulations to help satisfy MCM #4. The Erosion and Sediment Control Program has been found consistent by the Virginia Soil and Water Conservation Board. The City relies on implementation of the Virginia Stormwater Management Regulations to help satisfy MCM #5. The City adopted an ordinance authorizing its participation as a VSMP June 10, 2014.

9. Special Conditions Associated with TMDLs

The MS4 permit provides for specific actions when a Total Maximum Daily Load (TMDL) has been assigned for a specific pollutant of concern. Beaver Creek has been identified as impaired for *Escherichia coli* (E coli) bacteria and sediment and is subject to TMDLs and wasteload allocations (WLAs).

Per the MS4 Program Plan, the City developed a TMDL Action Plan for the TMDL on Beaver Creek by the end of PY2 (June 30, 2015).

Appendix A

MCM #1: Public Education and Outreach





CITY OF BRISTOL, VIRGINIA
Public Works Department
Bristol, Virginia 24201
G. Wallace McCulloch, City Engineer
wallace.mcculloch@bristolva.org



Street Maintenance Division
2103 Shakesville Road
Phone: (276) 645-7360
FAX: (276) 645-7235

Engineering Division
300 Lee Street
Phone: (276) 645-7360
FAX: (276) 645-7365

Collection Division
2125 Shakesville Road
Phone: (276) 645-7380
FAX: (276) 645-3781

Disposal Division
2125 Shakesville Road
Phone: (276) 645-3791
FAX: (276) 591-5237

Memorandum

Date: July 30, 2015

To: File

From: G. Wallace McCulloch, P.E.

Re: Stormwater Educational Flyer

Comments:

A total of 250 Stormwater Educational Flyers were provided for distribution during the July 1, 2014 to June 30, 2015 year. The flyer is available to the public at City Hall and the Parks and Recreation office.

Approximately 200 flyers were distributed at events hosted by Parks and Recreation.

Park Events Include:

Bark in the Park
Woofstock
Music & Movies



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Public Works Department
Bristol, Virginia 24201
G. Wallace McCulloch, City Engineer
wallace.mcculloch@bristolva.org



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FAX: (276) 591-5237

Memorandum

Date: September 25, 2015

To: File

From: G. Wallace McCulloch, P.E.

Re: Youth Conservation Camp

Comments:

The annual youth Conservation Camp was held at Sugar Hollow Park during the school day from 9:30 AM to 1:30 PM on September 3rd thru 5th. Approximately 720 students from Washington County, Virginia 3rd graders and Haynesfield 4th graders and Van Pelt 4th graders participated.

The children participated in the following Stations/Activities:

- Soil
- Water
- Littering
- Recycling
- Plants
- Forestry
- Conservation
- Streams
- Herpetology

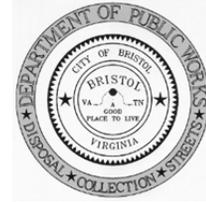
Appendix B

MCM #2: Public Involvement/Participation





CITY OF BRISTOL, VIRGINIA
Public Works Department
Bristol, Virginia 24201
G. Wallace McCulloch, City Engineer
wallace.mcculloch@bristolva.org



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FAX: (276) 591-5237

Memorandum

Date: December 8, 2014

To: File

From: G. Wallace McCulloch, P.E.

Re: Household Hazardous Waste Collection

Comments:

The fall event took place on Saturday, 11/15/14 with 81 participants and the following items were collected:

Aerosols	3 - 55 gal drums
Propane:	4 - 1 lb Canisters
Propane:	5 - 20 lb Canisters
Fire Extinguishers:	7
Flammable Liquids:	1 - 55 gal drum
Paint Related Materials:	7 - CY Boxes
Flammable Solids:	1 - 5 gal bucket
Oxidizing Solids:	1 - 5 gal bucket
Organic Peroxide, Type D:	1 - 5 gal bucket
Organic Peroxide, Type E:	1 - 5 gal bucket
Pesticide Liquid:	3 - 55 gal drum
Pesticide Solid:	1 - 55 gal drum
Corrosive Acidic Liquid:	1 - 55 gal drum
Corrosive Solid Acidic:	1 - 55 gal drum
Corrosive Base Liquid:	1 - 55 gal drum
Corrosive Base Liquid:	1 - 55 gal drum
Automotive Batteries:	6
NICAD Batteries:	1 - 55 gal drum
Alkaline Batteries:	1 - 55 gal drum
NIMH Batteries:	1 - 5 gal bucket
Lithium Batteries:	1 - 5 gal bucket
Motor Oil:	2 - 55 gal drum
Antifreeze:	1 - 55 gal drum
Refrigerant Comp. Gas:	1 - CY Box
Latex Paint:	7 - CY Boxes
Paint Related Material:	1 - 55 gal drum
Motor Oil:	1 - CY Box



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 wallace.mcculloch@bristolva.org



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 FAX: (276) 591-5237

Memorandum

Date: April 28, 2015

To: File

From: G. Wallace McCulloch, P.E.

Re: Household Hazardous Waste Collection

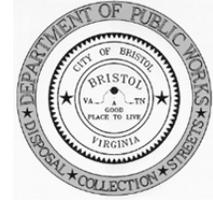
Comments:

The spring event took place on Saturday, 4/25/15 with 104 participants and the following items were collected:

Latex Paint:	7 cubic yard boxes
Aerosols, Flammable:	2 - 5 gallon buckets
Small Propane Tanks:	1 - 5 gallon bucket
Large Propane Tanks:	1 cubic yard box
Isopropyl Alcohol/Mineral Sprits:	1 - 55 gallon drum
Paint Related Materials:	7 cubic yard boxes
Oxidizer Solid:	4 - 5 gallon buckets
Pesticide Liquid:	1 - 5 gallon bucket
Pesticides Solid:	1 - 5 gallon bucket
Corrosive Liquid, Acid Inorganic:	1 - 5 gallon bucket
Corrosive Liquid, Basic Inorganic:	1 - 5 gallon bucket
Corrosive Solid, Basic Inorganic:	1 - 5 gallon bucket
Mercury Contained Articles:	1 - 5 gallon bucket
Batteries, Potassium Hydroxide:	1 - 5 gallon bucket
Batteries, Alkaline:	1 - 5 gallon drum
Batteries, Lithium:	1 - 5 gallon bucket
Used Oil:	2 - 55 gallon drums
Antifreeze:	1 - 55 gallon drum
CFLs:	1 - 5 gallon bucket
Metal Hydroxide:	1 - 5 gallon bucket



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Memorandum

Date: September 25, 2015

To: File

From: G. Wallace McCulloch, P.E.

Re: Keep Bristol Beautiful - Events

Comments:

For year July 1, 2014 thru June 30, 2015, the following events were sponsored by Keep Bristol Beautiful:

South Holston Lake Cleanup – August 9, 2014

Approximately 450 volunteers collected more than 11 tons of litter.

America Recycles Day – November 15, 2014

Approximately 200 volunteers collected a full truck load of e-waste.

Great American Cleanup – April 25, 2015

Approximately 200 volunteers collected more than 3 tons of litter and e-waste.

Wallace

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Keep Bristol Beautiful

America Recycles Day Set For Nov. 15

Keep Bristol Beautiful, a program of the Bristol Chamber of Commerce, will host America Recycles Day Saturday, Nov. 15.

America Recycles Day will be held at the old Goody's Building on Euclid Ave. from 10 a.m.-1 p.m.

Electronic Waste (courtesy of Scott's Recycling), tires (four per vehicle, courtesy of Patriot Tire) and clear, green and brown glass (courtesy of Revolutions Curbside Recycling) will be accepted, along with Household Hazardous Waste (free for Bristol, Va. residents, a nominal fee for others).

Keep Bristol Beautiful's America Recycles Day is sponsored by Tennessee Valley Authority.



Due to the uniqueness of the vehicle, detectives are asking for the public's help. Anyone who sees a vehicle or has information regarding the theft should contact Detective Jared Patrick at 423-989-5552 or call the main street on the Virginia side of Tennessee side and across the and Volunteer Parkway on the at the corner of State Street Bristol Chamber of Commerce place in the parking lot of the and paper shredding will take prescription drug drop-off

Due to the uniqueness of the vehicle, detectives are asking for the public's help. Anyone who sees a vehicle or has information regarding the theft should contact Detective Jared Patrick at 423-989-5552 or call the main street on the Virginia side of Tennessee side and across the and Volunteer Parkway on the at the corner of State Street Bristol Chamber of Commerce place in the parking lot of the and paper shredding will take prescription drug drop-off

Botan in Bristol
m. — City police searching for a silver anniversary that was recently residence in

Long may she live and perform, real county music's living rhythm and roots.
"I'm just like a next door neighbor," Lynn said. "You don't ever forget your roots."
Tom Netherland is a freelance writer. He may be reached at features@bristolnews.com.

You bet she's proud to be a coal miner's daughter.
In apropos fashion, she capped and roots.
In apropos fashion, she capped and roots.
"Coal Miner's Daughter." Fans stood, some sang along and a few cried as they embraced those final few minutes of greatness.
When the lights dimmed and the last whispers of Lynn's parking assume that Lynn,

Bristol Herald Courier:

Wednesday 4/01/14

Friday 4/03/14



NOTICE:

Bristol, Virginia Residents and Solid Waste Customers

Household Hazardous Waste Collection Day

Saturday – April 25, 2015 • 9:00 a.m. – 12:00 p.m.

Deliver to Capital Bank – 901 W State Street (Corner of Commonwealth Ave. and State St.)

Free for Bristol, Virginia Residents (Required proof of residency for free disposal – valid driver's license or current utility bill). Non-residents – a small fee will be charged. No residency requirement and no charge for electronic waste disposal.

Dump Free at the Landfill (Bristol, Virginia Residents Only)

Saturday – April 25, 2015 • 8:00 a.m. – 12:00 p.m.

Required proof of residency for free disposal (valid driver's license or current utility bill).

Holiday Schedule

Memorial Day – Monday – May 25, 2015 • Independence Day – Friday – July 3, 2015

Labor Day – Monday – September 7, 2015

City Offices – Closed • Landfill – Closed

No Solid Waste Collection. Solid Waste Collection pick-up will be the following business day.

Please have container(s) out by 7:00 a.m.

Compost and Mulch for Sale at the Landfill

Bulk - \$30.50 per ton 40 lb. Bags - \$3.00 each

Loading Hours:

Monday – Friday – 8:00 a.m. – 3:30 p.m.

Saturdays – March 21, 2015 – May 9, 2015 • 8:00 a.m. – 12:00 p.m.

(While quantities last)

Bristol Herald Courier:

Friday 4/10/14

Friday 4/17/14

Thursday 4/21/14



Great American Cleanup

Saturday, April 25, 9 a.m. - noon
One Event, Two Locations!

**Community Cleanup, Document Shredding
& Prescription Drug Drop-off at**
Bristol Chamber of Commerce (20 Volunteer Parkway, Bristol, TN)
Lunch and t-shirts provided for cleanup volunteers

**Tire Recycling &
Household Hazardous Waste Disposal**
Provided by Bristol, VA
(free for Bristol VA residents, all others for a nominal fee)
at Capital Bank (W. State St. across from Bristol Chamber)

Call 423.989.4872 for more information

Special thanks to our Sponsors:



Bristol Herald Courier:

Saturday, 11/08/14

Tuesday, 11/11/14

Friday, 11/14/14

Keep 
Bristol
Beautiful

A Program of the Bristol Chamber of Commerce

America Recycles Day

NOVEMBER 15, 10 a.m.-1 p.m.

LOCATED ON EUCLID AVE.

(IN THE OLD GOODY'S BUILDING PARKING LOT NEXT TO KRYSAL)

Bring your electronic waste, tires, glass & household hazardous waste!

E-waste and clear, green or brown glass will be recycled at no charge, 4 tires per vehicle will be recycled at no charge and Household Hazardous Waste will be recycled at no charge for Bristol, VA residents and others may participate for a nominal fee.



Info: 423.989.4850 • klowdermilk@bristolchamber.org

**Local Sponsors: Tennessee Valley Authority,
Bristol Herald Courier, Food City and the City of Bristol, VA**



REGION

TWITTER @tricitiees_com

FACEBOOK @TriCities.com

Inside
Check with shelters to adopt
a furry family member. **B2**

Susan Cameron, city editor ♦ scameron@bristolnews.com ♦ 276-645-2514

SUNDAY, NOVEMBER 16, 2014 ♦ BRISTOL HERALD COURIER ♦ TriCities.com

AMERICA RECYCLES DAY



A worker waves a motorist forward Saturday as residents bring household hazardous waste items to Keep Bristol Beautiful's annual America Recycles Day Saturday in a parking lot

Parade of junk

Residents line up to get rid of electronics, other items no longer wanted

BY ROBERT SORRELL
BRISTOL HERALD COURIER

BRISTOL, Va. — Televisions, micro-waves, computers and tires were collected Saturday morning at a Euclid Avenue parking lot for America Recycles Day.

Local residents starting lining up at 9:45 a.m. Saturday, ready to unload old electronics they have been trying to get rid of. "Every time we have done this, we've gotten a truck load of e-waste," said Kathy Lowdermilk of Keep Bristol Beautiful.

The event was not scheduled to begin until 10 a.m., so Lowdermilk said she was pleased with the early turnout.

"The purpose is to dispose of things responsibly," she added. "We try to do at least two events a year so people don't have to think about throwing things in the trash that really shouldn't go in the trash."

Keep Bristol Beautiful volunteers and city of Bristol, Virginia, staff collected everything from old television sets from the 1970s to unusable tires. City staff also collected household hazardous waste items, such as paint, fertilizers, light bulbs and "anything that you wouldn't want to throw into the landfill," Lowdermilk said.

America Recycles Day, a Keep America Beautiful program, is the only nationally recognized day dedicated to promoting



PHOTO: Burt of Bristol unloads cans of paint and other items from the bed of a resident's truck. **BELOW:** Bins contain junked electronics and containers that were once full of oil, paint and other products.

Bristol Herald Courier photos by **Andre Teague**

Appendix C

MCM #3: Illicit Discharge Detection and Elimination





CITY OF BRISTOL, VIRGINIA
Public Works Department
Bristol, Virginia 24201
G. Wallace McCulloch, City Engineer
wallace.mcculloch@bristolva.org



Street Maintenance Division
2103 Shakesville Road
Phone: (276) 645-7360
FAX: (276) 645-7235

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300 Lee Street
Phone: (276) 645-7360
FAX: (276) 645-7365

Collection Division
2125 Shakesville Road
Phone: (276) 645-7380
FAX: (276) 645-3781

Disposal Division
2125 Shakesville Road
Phone: (276) 645-3791
FAX: (276) 591-5237

Memorandum

Date: September 21, 2015

To: File

From: G. Wallace McCulloch, P.E.

Re: Illicit Discharge Response

Comments:

The following is the Fire Department's incident summary of Illicit Discharge Responses:

#1 8/3/2014 Incident Number 14-0001665

Station 3 received a call from a Mike Tate who is the transportation manager for Food City. Caller advised that a tractor trailer was at the Food City on Bonham Road in the rear of the structure with a fuel leak and wanted to know if we could go down and check it out, that he was on his way to the location too. We arrived and found the tractor trailer on the B side of the building complex between Osaka Japanese Steakhouse and the Citizens Bank building. Truck driver told us that the sun was in his eyes as he rounded the corner of the building and he couldn't see. Driver stated that the tank was not 100% full that he had ran some of it out. Tank was probably about 3/4 full. Tank capacity was about 150 gallon. Rough estimate was about 100-125 gallon had leaked out onto the ground and into the storm drains

We found the tractor trailer sitting on top of a fire hydrant that was inside an island in the side parking lot. The truck was actively leaking fuel from the passenger side tank and fuel lines. Fuel

lines was clamped off to prevent further leaking. All the fuel had leaked out of the one tank on passenger side onto the island and the parking lot and down into the storm drains that lead from the parking lot down into the rear of the complex that leads to the creek. We immediately put down oil dry around the drains to help contain the runoff into the drains. Called for help from station 1 and the small HazMat trailer.

#2 8/8/2014 Incident Report Number 14-0001704

Bristol Virginia units responded to the above address for a paint like product in the parking lot. Units contained the release which was caused by painters that were painting the roof of vacant Food City building and adjacent Ked Plasma building and assisted V.D.E.M. officer Jack Tolbert with clean-up operations. For further see Haz-Mat narrative for same incident number.

#3 11/04/2014 Incident # 14-0002293

T-3 dispatched to the above location for a possible hydraulic fluid spill on the Interstate highway at mile marker 6. T-3 arrived on-scene and found hydraulic fluid approximately .5 mile behind a crane that it was leaking from. T-3 crew proceeded to the crane and found the driver who reported that the drive line had come out and ruptured a 200 gallon reservoir that contained the hydraulic fluid. Leak was minimal coming from the tank, however a considerable amount of fluid was beside the truck on the right away and into the grass. T-3 immediately began damming and diking with stay dry and applied 2 bundles of pads to the fluid that was accumulating behind the dam. Res. 1 was notified to respond with Q-1 crew and H.M. 2 for needed supplies to finish containing the spill. Res. 1 arrived on-scene and established I-81 command, other units arrived and staged on Walling Rd. T-3 crew then applied 3B putty to the tank that had approximately a 2" gash in the bottom corner of the tank and the leak was stopped. Virginia State Police notified V-Dot who responded with a load of sand and spread it on the roadway. Res. 1 notified Haz-Mat Officer J. Tolbert and also V.D.E.Q. was notified. V.D.E.Q. officer George Tolton assessed the spill area and notified Hepaco for environmental clean up operations. Hepaco arrived and marked off the area where the spill had ran too and advised that they would return the following morning to begin removing the contaminated soil. Wrecker service arrived and pulled the crane to Exit 10 area to make the needed repairs. All units cleared scene and command was terminated.

#4 03/25/15 Incident Report Number 15-0000564

T-3 was dispatched to the above location for a hydraulic fluid spill in the roadway. Upon T-3 arrival, found approx. 2' wide path approximately 1/4 mile in length spreading from the intersection of Old Airport Rd. and Bonham Rd. and turning into the parking area of Appalachain Moving and Storage. T-3 blocked the intersection, requested Bristol Police Department for traffic control, Bristol Virginia Public Works was notified to respond with a load of sand to spread on the roadway. T-3 personnel proceed to the follow the spill and was met by Carrie Thomas, Route Manager for Waste Management, who advised that one of her trash trucks was going to Appalachain Moving to pick up trash and ruptured a hydraulic line losing

approximately 15 Gal. of hydraulic fluid. T-3 found the truck sitting in the parking lot and was being worked on by mechanics who had replaced the ruptured line and was refilling the fluid tank. Personnel had spread oil dry in the parking area prior to our arrival and advised the incident had occurred at around 06:00 this A.M.. Public Works arrived on-scene and spread approximately 2 tons of sand on the roadway and after all the fluid was covered fire units cleared and returned to quarters. Fluid was contained to the roadway with no threat to waterways or storm drains.

Appendix D

MCM #4: Construction Site Stormwater Runoff



CITY OF BRISTOL VIRGINIA
EROSION SEDIMENT CONTROL INSPECTION DATES

SITE NAME	2014						2015					
	July	August	September	October	November	December	January	February	March	April	May	June
Bristol Infusion	16, 30	14, 28	23	8, 22	5, 19	3, 17, 31	15, 28	12	9	9		
Falls Development	16, 30	14, 28	23	8, 22	5, 19	3, 17, 31	15, 28	12, 25	9	1, 9	6, 28	4, 18
Hilton Garden Inn	16, 30	14, 28	23	8, 22	5, 19	3, 17						
Lee-Hi Centre								12, 25	9	1, 9, 22	6, 28	4, 18
Morrison School	28	13, 19, 28	23	8, 22	5, 19	3, 17, 31	15, 28	12, 25	9	1, 9, 22	6, 28	4, 18
Mufflers & More	16	14	23	8	5	3, 17, 31	28	12	9	9		
Sheetz				7								
Stallings Collosion								25	9	1, 9, 22	6, 28	4, 18
Lee Highway Exit 7							28	12, 25	9	1, 9, 22	6, 28	4, 18
Lee Highway Exit 5											6, 28	4, 18
Landfill Gas Energy												18
Oakmont at Gordon												18
Fealty Insurance												18
288 Blevins Blvd	16	14										
102 Carmack Dr												
127 Carmack Dr	16	14	23	8	5	3						
130 Carmack Dr	16	14	23	8	5	3						
105 Dewey Cr	16											
204 Harvest Rd	16	14	23									
206 Harvest Rd										9	6, 28	4, 18
207 Harvest Rd												18
104 Pebble Beach Dr	16	14	23									
236 Roo Place	16	14	23									
240 Roo Place	16	14	23									
1035 Valley Dr	16	14	23									
100-102 Willow Oak Ct.	16	14	23	8	5	3, 31	28	12	9			

NO VIOLATIONS ISSUED FOR YEAR

Land Disturbing Activities

Project Name	Project Address	Contact Name	Contact Address	Contact Phone	Disturbed Acres	Plan Approval	Project Start	Project End	Permit Number	Project Type	E&SC #	ID
single family dwelling	102 Willow Oak Ct.	Bill Roberts	3101 Lee Hwy, Suite 18/255 Bristol, VA 24201	(423) 646-8886	0.12 ac	10-Jan-14	10-Jan-14	10-Jun-14	VA-RNSA-140110-00006	Res (AILP)	N/A	48
single family dwelling	206 Harvest Rd.	Ronnie Leonard	809 Chippewa Dr Bristol, Va 24201	(276) 669-2064	0.40 ac	26-Feb-15	26-Feb-15	26-Aug-15	VA-RNSF-150226-00098	Res (AILP)	N/A	49
single family dwelling	207 Harvest Rd	Ronnie Leonard	809 Chippewa Dr Bristol, Va 24201	(276) 669-2064	0.40 ac	11-Jun-15	11-Jun-15	11-Dec-15	VA-RNSF-150611-00302	Res (AILP)	N/A	50
single family dwelling (Attached)	950 Fairview St.	Michael Cosola	950 Fairview Street Bristol, VA 24201	(276) 644-3222	0.05 ac	08-Jun-15	08-Jun-15	08-Dec-15	VA-RNSA-150608-00294	Res (AILP)	N/A	51
single family dwelling	100 Willow Oak Ct.	Bill Roberts	3101 Lee Hwy, Suite 18/255 Bristol, VA 24201	(423) 646-8886	0.12 ac	10-Jan-14	10-Jan-14	10-Jun-14	VA-RNSA-140110-00007	Res (AILP)	N/A	52
Dollar General Store	1401 Euclid Ave.	Bordwine Excavating Inc	11411 Lindell Rd Meadowvi	(276) 944-5612	1.0 ac	17-Jun-15	17-Jun-15	17-Dec-15	VA-LDAP-	Comm	VAR 10H018	53

Land Disturbing Activities

Project Name	Project Address	Contact Name	Contact Address	Contact Phone	Disturbed Acres	Plan Approval	Project Start	Project End	Permit Number	Project Type	E&S #	ID
			ew, VA 24361						150617-00315	(LD AP)		
Landfill Gas Energy-Ingenco	2125 Shakesville Rd.	Ramirez Contracting	P.O. Box 569 Abingdon, VA 24212	(276) 608-6088	2.5 ac	01-Jul-15	01-Jul-15	01-Jan-16	VA-LDAP-150616-00312	Comm (LD AP)	VAR 10H067	54
Oakmont at Gordon Park	401 Gordon Ave.	JD Watson & Associates	PO Box 16339 Bristol, VA 24209	(276) 669-4622	17 ac.	05-Jun-15	05-Jun-15	05-Dec-15	VA-LDAP-150605-00293	Comm (LD AP)	VAR 10G714	55
Lowes	401 Cabela Dr.	W-L Construction	PO Box 876 Chilhowie, VA 24319	(276) 782-8138	10.64 ac.	02-Apr-15	02-Apr-15	02-Oct-15	VA-LDAP-150402-00168	Comm (LD AP)	VAR 10D136	56
Cabela's	361 Cabela Dr.	W-L Construction	PO Box 876 Chilhowie, VA 24319	(276) 782-8138	10.68 ac.	01-Apr-15	01-Apr-15	01-Oct-15	VA-LDAP-150401-00164	Comm (LD AP)	VAR 10C583	57
Bonham Circle (Bristol Redevelopment Housing Auth)	460 Bonham Cir.	Taff & Frye Company, Inc.	301 Moore Street Blountville, TN 37617	(423) 534-9666	0.99 ac.	19-Feb-15	19-Feb-15	19-Jul-15	VA-LDAP-150219-00087	Comm (LD AP)	N/A	58
Stallings Collision Center	3548 Lee Hwy.	JD Watson & Associates	PO Box 16339	(276) 669-4622	1.88 ac.	26-Jan-15	26-Jan-15	26-Jul-15	VA-LDAP-	Comm	VAR 10G528	59

Land Disturbing Activities

Project Name	Project Address	Contact Name	Contact Address	Contact Phone	Disturbed Acres	Plan Approval	Project Start	Project End	Permit Number	Project Type	E&SC #	ID
			Bristol, VA 24209						150126-00043	(LD AP)		
Lee-Hi Centre (AT&T Store)	3191 Lee Hwy	Baker Construction & Excavation	4620 Weaver Pike Bluff City, TN 37618	(423) 538-7135	0.88 ac.	21-Jan-15	21-Jan-15	21-Jul-15	VA-LDAP-150121-00038	Comm (LD AP)	N/A	60
Lee Highway Widening Project	3200-ECL Lee Highway	W-L Construction	PO Box 876 Chilhowie, VA 24319	(276) 782-8138	35 ac.	14-Jan-15	14-Jan-15	14-Jan-16	VA-LDAP-150114-00026	Comm (LD AP)	VAR 10G516	61
Morrison School	200 N. Pinecrest Lane	J. A. Street & Associates, LLC	245 Birch Street Blountville, TN 37617	(423) 323-8017	7.51 ac.	05-Aug-14	05-Aug-14	05-Feb-15	VA-LDAP-140805-00338	Comm (LD AP)	VAR 10D740	62
Wellmont Cancer Treatment Center	349 Island Rd.	Miller & Miller Construction	4455 Gate City Hwy Bristol, VA 24202	(276) 591-1785	3.0 ac.	30-Apr-14	30-Apr-14	30-Oct-14	VA-LDAP-140430-00172	Comm (LD AP)	VAR 10D346	63



City of Bristol's
Annual Drainage Report
 07/01/14 to 06/30/15

ID #	Project Description	Short Address	Initial Complaint Date	Project Start Date	Initial Update Date	Last Update Date	Archive Date	Status	Update Detail
14-03612	Resident related to Mayor Brillhart that the drain near his residence is not operating properly. Water cannot drain properly.	30 King St.	07/03/2014	07/03/2014	07/07/2014	07/14/2014	07/14/2014	Archived	<p>Spoke to resident, he states that because of broken curb the water disappears in cracks before reaching catch basin. Will observe during a rain event.</p> <p>Cleaned debris out of gutter pan. During a rain event water swirls as it hits joints in the curb and gutter but moves on to the DI with no trouble. If there is a small amount of seepage the drainage system installed behind the wall should take care it.</p>
									Scott Berry on 07/07/2014
									Scott Berry on 07/14/2014
14-03628	Rats are coming from the storm drains behind his property. Resident feels that rats should be poisoned.	2545 Shakesville Rd.	07/07/2014	07/07/2014	07/08/2014	07/08/2014	07/10/2014	Archived	<p>Baited rats with blocks acquired from BVU.</p>
									Scott Berry on 07/08/2014

14-03759	Resident reports flooding issues in her yard due to improper drainage line - resident would like to be contacted before arrival to show video footage of the problem	234 Old Airport Rd.	07/11/2014	07/11/2014	07/15/2014	07/15/2014		Active	Resident has a flooding issue. Michael is meeting Wallace concerning this.	Scott Berry on 07/15/2014
14-03894	Resident reports a clogged catch basin close to her mailbox causing flooding in her yard.	505 Glenway Ave.	07/21/2014	07/21/2014	07/21/2014	08/25/2014	08/25/2014	Archived	Grate catches all debris coming down Foxcroft. Replace grate with concrete top open on inlet side.	Scott Berry on 07/21/2014
									Grate has been removed and replaced with concrete top open on one side to allow water and debris to flow through.	Scott Berry on 08/25/2014
14-04004	Resident reports grass growing that is causing trash and debris to build up and clog the drain	1500 Norway St.	07/29/2014	07/29/2014	08/08/2014	08/08/2014	08/08/2014	Archived	Grass blocking pipe under driveway. Removed grass and observed during a rain event. Drain is working.	Scott Berry on 08/08/2014
14-04152	Gutter is stopped up and water is running into resident's yard after the heavy rain late this afternoon. House sits below street.	432 Bristol View Dr.	08/06/2014	08/07/2014	08/08/2014	08/08/2014	08/08/2014	Archived	Cleaned out swale to allow water to flow.	Scott Berry on 08/08/2014

14-04268	Drain at mailbox needs cleaning. It is full of debris washing down from Cheyenne Rd.	400 Shawnee Rd.	08/15/2014	08/18/2014	08/18/2014	08/18/2014	08/18/2014	Archived	The resident piles debris to be picked up by collections in the gutter pan. When it rains debris washes down into pipe and onto catch basin. Debris has been removed.	Scott Berry on 08/18/2014
14-04502	Drain is seeping grease-like liquid - Unidentifiable source - may need to be cleaned out	709 Windmill Cir.	09/05/2014	09/05/2014	09/05/2014	09/05/2014	09/05/2014	Archived	Called BVU as this is sewer coming out of this pipe. They will take care of it.	Scott Berry on 09/05/2014
14-04607	Requesting a tile on the Texas Avenue side of property - Unable to remove boat due to recent paving	1402 Massachusetts Ave.	09/10/2014	09/10/2014	10/02/2014	04/29/2015		Active	I have tried twice to get in touch with Mr Grubb. Waiting for him to return call. We continue to wait for Mr Grubb to coordinate his contractor with us to be there when we install the driveway pipe.	Scott Berry on 10/02/2014 Scott Berry on 04/29/2015
14-04677	Bank is eroding - May cause damage to street	Scott St.	09/15/2014	09/15/2014	09/29/2014	09/29/2014	09/29/2014	Archived	Hole filled in with surge.	Scott Berry on 09/29/2014
14-05210	Drainage problem in driveway	100 McArthur Cir.	10/22/2014	10/22/2014	10/23/2014	10/23/2014	10/23/2014	Archived	Resident is planning on pouring concrete in his driveway. He was questioning how to adjoin the street. He was informed to have his contractor contact Scott when the time comes.	Scott Berry on 10/23/2014
14-05290	Storm drain grate is broken on the drain located on the left end of the property if you are facing the house.	816 Chippewa Dr.	10/29/2014	10/29/2014	10/30/2014	10/30/2014	10/30/2014	Archived	Storm drain grate has been replaced.	Scott Berry on 10/30/2014

14-05940	Resident states that water is unable to drain, causing excess mud to accumulate and spill onto the road.	816 Gate City Hwy	12/30/2014	12/30/2014	12/30/2014	12/30/2014	12/30/2014	Archived	Resident was requesting gravel in front of his mailbox as the mailman is making ruts delivering mail. Informed resident we do not repair this but that he is welcome to put gravel there or move mailbox closer to the street. See picture.	Scott Berry on 12/30/2014
15-00002	Debris collected during hard rain at the end of her driveway and began running across it into the yard. Resident indicated that ditch needs cleaning from top of hill down to her driveway to take care of the problem.	132 Bristol View Dr.	01/05/2015	01/05/2015	01/07/2015	01/07/2015	01/07/2015	Archived	Cleaned ditch from residents driveway to top of the hill.	Scott Berry on 01/07/2015
15-00652	Resident reports extreme yard flooding as a result of a clogged on the ROW of her property	300 Robin Cir.	03/17/2015	03/17/2015				Active		

15-00846	Resident reports a ditch in front of her residence containing deep potentially dangerous holes - Determining if it is City property	36 Pendergrass Rd.	03/30/2015	03/30/2015	03/30/2015	03/30/2015		Active	Several deep holes across field where ditch line should be. A couple of the holes are full of water. Installed "snow" fence around the holes in fear of the possibility of children in the neighborhood falling in. Will look into who is responsible for this ditch.	Scott Berry on 03/30/2015
15-00906	Pastor of Higher Ground Church reports that the creek that flows behind church property has become dammed by brush clogging a pipe - requesting the brush be cleared	14095 Lee Hwy	04/02/2015	04/02/2015	04/03/2015	04/03/2015	04/03/2015	Archived	This has been cleared.	Scott Berry on 04/03/2015
15-01045	Resident states BVU was doing some work on the property and advised her the City would repair a drain line at the end of her driveway.	616 Randolph St.	04/13/2015	04/13/2015	04/13/2015	05/21/2015	05/21/2015	Archived	Needs ditching...there is approximately 1' fall from pipe at 616 to inlet of pipe at 606. Call resident before starting.	Scott Berry on 04/13/2015
									Ditch cleaned, seeded and matted.	Scott Berry on 05/21/2015
15-01046	Ms. Grizzle states that when it rains heavily her yard floods.	8005 Cunningham Rd.	04/13/2015	04/13/2015				Active		

15-01058	Drain next to residence is clogged --- Requesting it be cleared	179 Mosswood Ln.	04/14/2015	04/14/2015	04/15/2015	04/15/2015	04/15/2015	Archived	Drain has been cleaned.	Scott Berry on 04/15/2015
15-01090	Resident reports a portion of her yard that was damaged by snow plows - Part of yard was plowed down to the light pole and is now unable to mow this area - Requesting city evaluation and assistance	401 Cheyenne Rd.	04/16/2015	04/16/2015	05/01/2015	05/01/2015	05/01/2015	Archived	Cleaned up plow damage and sowed.	Scott Berry on 05/01/2015
15-01159	Resident reports drainage issue on her company's ROW that began accruing after the heavy winter weather - She states that water is puddling into the road and is afraid that a wreck will occur - Requesting repair	1503 Lee Hwy	04/22/2015	04/22/2015	04/29/2015	05/20/2015	05/20/2015	Archived	Needs ditching along Pine St from Jerry Peter's Drive entrance to catch basin near Lee Highway.	Scott Berry on 04/29/2015
									Cleaned silt from asphalt ditch.	Scott Berry on 05/20/2015

15-01182	Resident reports excess standing water on her property - Thinks it is a result of a clogged "easeway" - requesting assistance evaluating and resolving the issue	2304 King Mill Pike	04/24/2015	04/24/2015	04/29/2015	04/29/2015		Active	Water standing in back yard at this residence mainly due to high water table. At the time we ditch from Woodland Cir to Holly Mt Ln we may use dirt to fill in swag in residents back yard to allow proper drainage.	Scott Berry on 04/29/2015
15-01213	Scott reports a clogged pipe in need of cleaning	King Mill Pike	04/28/2015	04/28/2015	04/28/2015	05/21/2015	05/21/2015	Archived	One of the pipes under Kings Mill Pike at Kings Mill Pike Ext needs to be jetted. Pipe has been cleared.	Scott Berry on 04/28/2015 Scott Berry on 05/21/2015
15-01273	Ms. James called to say the storm drain in front of her home is clogged.	400 Rando St.	04/30/2015	04/30/2015	05/05/2015	05/05/2015	05/05/2015	Archived	Outlet end of pipe stopped up with chunks of asphalt...cleared with shovel.	Scott Berry on 05/05/2015
15-01274	Josh Picket called stating a storm drain at the entrance of their property is caved in.	109 Gate City Hwy	04/30/2015	04/30/2015	05/05/2015	05/05/2015	05/05/2015	Archived	This basin is on private property to catch water in their parking lot therefore not a city responsibility. See picture.	Scott Berry on 05/05/2015

15-01339	The outflow of the culvert was damaged by a wreck a few weeks ago, and appears sufficiently crimped so that debris will eventually block it off. Maybe it can be uncrimped rather than replaced. Thanks.	2376 King Mill Pike	05/06/2015	05/06/2015	05/07/2015	05/14/2015	05/14/2015	Archived	Outlet end of pipe is crushed...we will try to straighten.	Scott Berry on 05/07/2015
									Outlet end of pipe has been opened up.	Scott Berry on 05/14/2015
15-01658	Resident reports bars of a drainage grate collapsing under the weight of passing vehicles - Concerned that they will cave in a cause and accident - Requesting repair	801 Norfolk Ave.	06/01/2015	06/01/2015	06/04/2015	06/04/2015	06/04/2015	Archived	Repaired and modified this grate.	Scott Berry on 06/04/2015

15-01660	Underground drainage pipes have fallen through cause several large holes that been filling up with water - Resident is afraid of a child drowning in the resulting standing water (4-5ft deep)	36 Pendergrass Rd.	06/02/2015	06/02/2015	06/08/2015	08/27/2015		Active	Resident was informed today that the city is working on a drainage easement and construction easement as well as surveying the contours before going ahead with cleaning this ditch. Ms. Slaughter came in the office this afternoon and was inquiring as to when this issue might be fixed. She has gone through 4 sump pumps in the last 4 months trying to keep water out of her basement.	Scott Berry on 06/08/2015 Becky Brewster on 08/27/2015
15-01678	Resident reports a clogged drain in need of cleaning	23 Tracy St.	06/02/2015	06/02/2015	06/04/2015	06/04/2015	06/04/2015	Archived	Cleaned out pipe under driveway at these apartments. Also cleaned out pipe above this location.	Scott Berry on 06/04/2015
15-01679	Resident reports yard flooding	431 Hill Dr.	06/02/2015	06/02/2015	06/22/2015	06/22/2015		Active	Resident considering purchasing pipe for driveway as there is not a pipe there now. Resident has excavated to make driveway wider causing water from street to enter their property.	Scott Berry on 06/22/2015
15-01684	Catch basin needs to be backfilled as ground has settled around grate	2150 King Mill Pike	06/04/2015	06/04/2015	08/05/2015	08/05/2015	08/05/2015	Archived	Filled with topsoil...seeded and matted.	Scott Berry on 08/05/2015
15-01685	Resident reports yard flooding / mud washed into yard during heavy rainfall - Requesting a drainage ditch	41 Jane Ln.	06/04/2015	06/04/2015	06/05/2015	06/12/2015	06/12/2015	Archived	Diverted water during heave storm on Wednesday. Locate called to improve ditch. Ditch cleaned out	Scott Berry on 06/05/2015 Scott Berry on 06/12/2015

15-01714	Home owner states that run off from a road is causing flooding on his property when we have heavy rain.	903 Park St.	06/08/2015	06/08/2015	06/17/2015	09/10/2015	09/10/2015	Archived	Need to add to height of curb. Form, drill and dowel to existing curb.	Scott Berry on 06/17/2015
									Resident has raised curb.	Scott Berry on 09/10/2015
15-01753	Resident reports mounds of thick mud washing into his yard from his neighbors property	217 Wagnor St.	06/10/2015	06/10/2015	06/24/2015	06/24/2015		Active	Michael and I spoke with Mr Richards. He needs a pipe under his driveway to keep street runoff from entering his basement.	Scott Berry on 06/24/2015
15-01788	There is a drainage issue at this residence. Please call Mr. Crusenberry for details.	2520 Shakesville Rd.	06/11/2015	06/11/2015	06/24/2015	07/17/2015		Active	Called Mr Crusenberry on 6-12-15. He was not feeling well...he said he would call me when he was up to it. Have not heard back from him as of yet.	Scott Berry on 06/24/2015
									Met with Mr Crusenberry to discuss his drainage issue. The problem can be remedied by installing catch basins in an already existing pipe running along his property. We need one at each of his drive entrances.	Scott Berry on 07/17/2015
15-01833	Resident yard is flooding from Wagner's Alley as a result of broken curbing - requesting new curbing	808 Euclid Ave.	06/16/2015	06/16/2015	06/23/2015	06/23/2015	06/23/2015	Archived	Berm raised to keep water out of residence.	Scott Berry on 06/23/2015

TOTALS Total Projects: 37

Appendix E

MCM #5: Post-Construction Stormwater Management



Stormwater Facilities/BMPs in Bristol, Virginia

Facility ID	Use/Description	Location	HUC-6	Maintenance Responsibility	Acres Treated			Impaired Waters 2010 305(b)/303(d) Integrated Report	BMP Type	Maintenance Agreement? Y/N	Install Date	Date of Last Inspection	Scheduled Inspection	VAR Number
					Imperv	Perv	Total							
03	Pebble Creek S/D	Pebble Dr/Kingsmill Pike	TH-21	Private	3.7	7.7	11.4	Beaver Creek / Mumpower Branch	Detention Pond	No	06/15/82	10/05/15	Jun-19	
05	Commonwealth of Virginia	Airport Rd/Sonic Restaurant	TH-21	Public	60.0	170.0	230.0	Beaver Creek	Detention Pond	No	06/15/96	07/29/11	Jul-16	
07	Bristol Commons S/D	3176 Linden Dr	TH-21	Public	31.1	7.6	38.7	Beaver Creek	Detention Pond	No	04/20/97	07/28/11	Jul-16	
10	Walmart/Old Dominion Center	3280 Lee Hwy	TH-21	Private	58.9	12.0	70.4	Beaver Creek	Detention Pond	No	06/01/94	10/05/15	Jun-19	
13	Springdale Village S/D	Avondale Ln/Second St	TH-21	Private	3.5	14.3	17.8	Beaver Creek	Detention Pond	No	06/01/80	10/05/15	Jun-19	
18	Grand Court S/D	Bristol View Dr/1 Liberty Pl	TH-22	Private	2.9	6.4	9.3	NA / Bristol, TN	Detention Pond	No	06/15/86	10/05/15	Jun-19	
20	Bellehaven S/D	Raintree Cir	TH-21	Private	13.4	40.5	53.9	Beaver Creek / Mumpower Branch	Detention Pond	No	06/01/73	10/05/15	Jun-19	
23	JGO LLC	Ohio St	TH-21	Private	7.2	6.0	13.2	Beaver Creek	Detention Pond	No	12/08/87	10/05/15	Jun-19	
25	Heritage Townhouses	Heritage Drive	TH-21	Private	1.8	3.2	5.0	Beaver Creek / Mumpower Branch	Detention Pond	No	08/01/84	10/05/15	Jun-19	

Stormwater Facilities/BMPs in Bristol, Virginia

Facility ID	Use/Description	Location	HUC-6	Maintenance Responsibility	Acres Treated			Impaired Waters 2010 305(b)/303(d) Integrated Report	BMP Type	Maintenance Agreement? Y/N	Install Date	Date of Last Inspection	Scheduled Inspection	VAR Number
					Imperv	Perv	Total							
26	Solid Waste Management Facility	Shakesville Road	TH-21	Public	5.7	23.6	29.3	Beaver Creek / Mumpower Branch	Detention Pond	No	03/01/98	05/09/13	May-18	
27	Permatile Pond No. 1	Beacon Road	TH-20	Private	11.8	42.7	54.5	NA / Washington Co., VA	Detention Pond	No	01/09/80	10/05/15	Jun-19	
28	Permatile Pond No. 2	Beacon Road	TH-20	Private	10.9	90.1	101.0	NA / Washington Co., VA	Detention Pond	No	01/09/80	10/05/15	Jun-19	
29	Contractors Park	Beacon Road	TH-20	Private	0	0	0	NA / Washington Co., VA	Detention Pond	No	08/17/89	10/05/15	Jun-19	Filled in.
30	UPS	Fairfield Street	TH-21	Private	6.7	0.2	6.9	Beaver Creek	Detention Pond	No	06/10/96	10/05/15	Jun-19	
31	Commonwealth of Virginia	Long Crescent Road	TH-21	Public	13.7	87.3	101.0	Beaver Creek	Detention Pond	No	06/01/98	07/29/11	Jul-16	
35	Henry's Court Pond No. 1	Blevins Boulevard	TH-21	Public	3.0	23.3	26.3	Beaver Creek	Detention Pond	No	10/01/99	07/29/11	Jul-16	
01	Whitten Hill S/D	Kingsmill Pike/Whitten Way	TH-21	Public	2.8	15.7	18.5	Beaver Creek / Mumpower Branch	Detention Pond	No	05/19/06	08/01/11	Aug-16	
02	Highland Grove S/D	Lavinia St	TH-21	Private/Agreement	1.0	1.6	2.6	Beaver Creek / Mumpower Branch	Detention Pond	No	05/24/07	08/01/11	Aug-16	
04	Meadows Point S/D	Harvest Rd	TH-21	Private/Agreement	1.6	12.3	13.9	Beaver Creek /	Detention Pond	No	02/25/02	08/01/11	Aug-16	

Stormwater Facilities/BMPs in Bristol, Virginia

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					Imperv	Perv	Total							
								Mumpower Branch						
06	Sugar Hollow Park Wetlands	Sugar Hollow Drive	TH-21	Public	0	0	0	Beaver Creek	Retention Pond	N/A	07/29/02	05/13/13	May-18	Fills only when flooding
08	Valley Drive Stormwater Facility	1124 E Valley Dr	TH-21	Public	0	0	0	Beaver Creek / Mumpower Branch	Detention Pond	N/A	07/10/07	07/27/11	Jul-16	Fills only when flooding
09	Preston Square	Blevins Blvd	TH-21	Private	4.7	14.2	18.9	Beaver Creek	Detention Pond	No	05/14/03		Jul-16	
11	Stateline Center	Gate City Hwy/Midway St	TH-22	Private	1.6	7.9	9.5	NA / Bristol, TN	Detention Pond	No	07/15/00	10/05/15	Jun-19	
12	Park 81 S/D	Commerce Ct	TH-21	Private	10.4	6.3	16.7	Beaver Creek	Detention Pond	No	09/06/00	10/05/15	Jun-19	
14	Bristol Brass & Copper	Thomas Road	TH-20	Private	0	0	0	NA / Washington Co., VA	Detention Pond	No	02/14/02	10/05/15	Jun-19	Former farm pond
15	Gordon Business Park	Gordon Ave	TH-21	Public	2.1	0.6	2.7	Little Creek	Detention Pond	N/A	02/16/05	07/28/11	Jul-16	
16	Home Depot S/D	3481 Lee Hwy	TH-21	Private	9.5	5.7	15.2	Beaver Creek	Detention Pond	No	09/04/05	05/17/13	May-18	
17	Home Depot S/D	3481 Lee Hwy	TH-21	Private	1.4	4.3	5.7	Beaver Creek	Detention Pond	No	09/04/05	05/17/13	May-18	

Stormwater Facilities/BMPs in Bristol, Virginia

Facility ID	Use/Description	Location	HUC-6	Maintenance Responsibility	Acres Treated			Impaired Waters 2010 305(b)/303(d) Integrated Report	BMP Type	Maintenance Agreement? Y/N	Install Date	Date of Last Inspection	Scheduled Inspection	VAR Number
					Imperv	Perv	Total							
19	Harbor Landing S/D	Dixie Street	TH-21	Private	1.4	12.0	13.4	Beaver Creek	Detention Pond	No	08/03/03		Jul-16	
21	Northstar Baptist Church	2455 Kingsmill Pike	TH-21	Private	5.7	16.4	22.1	Beaver Creek / Mumpower Branch	Detention Pond	No	09/11/00	10/05/15	Jun-19	
22	Ridgecrest Townhouses	Heritage Dr	TH-21	Private	3.1	2.2	5.3	Beaver Creek / Mumpower Branch	Detention Pond	No	01/05/08		Jul-16	
24	Seven Oaks S/D	Beaverview Dr	TH-21	Private	1	51	52	Beaver Creek	Detention Pond	No	04/14/04		Jul-16	
33	Ruby Tuesday	Linden Drive	TH-21	Private	1.4	0.3	1.7	Beaver Creek	Detention Pond	No	06/15/01	10/05/15	Jun-19	
34	Hill Drive Townhouses	Hill Drive	TH-21	Private	1.5	11.3	12.8	Little Creek	Detention Pond	No	10/14/04		Jul-16	
36	Henry's Court Pond No. 2	Blevins Boulevard	TH-21	Public	4.6	7.6	12.2	Beaver Creek	Detention Pond	N/A	05/09/05	07/29/11	Jul-16	
32	City of Bristol	Resting Tree Drive	TH-21	Public	6.4	39.0	45.4	Beaver Creek	Retention Pond	N/A	05/07/10	07/29/11	Aug-16	
37	Mellow Mushroom	3518 Lee Hwy	TH-21	Private	1.0	0.2	1.2	Beaver Creek	Manufactured BMP	No	12/08/11	12/08/11	Aug-16	
38	Food City	1320 Euclid Avenue	TH-21	Private	6.3	0.8	7.1	Little Creek	Detention Pond	No	02/06/12	02/06/12	May-17	
39	Cheddar's	1003 Old Airport Road	TH-21	Private	2.7	0.5	3.2	Beaver Creek	Detention Pond	No	07/17/12	07/17/12	May-17	
40	Olive Garden	3102 Lee Hwy	TH-21	Private	1.8	0.4	2.2	Beaver Creek	Manufactured BMP	No	05/14/12	05/14/12	May-17	

Stormwater Facilities/BMPs in Bristol, Virginia

Facility ID	Use/Description	Location	HUC-6	Maintenance Responsibility	Acres Treated			Impaired Waters 2010 305(b)/303(d) Integrated Report	BMP Type	Maintenance Agreement? Y/N	Install Date	Date of Last Inspection	Scheduled Inspection	VAR Number
					Imperv	Perv	Total							
41	Bristol City School Central Office	220 Lee Street	TH-21	Private	0.8	0.1	0.9	Beaver Creek	Manufactured BMP	No	05/21/12	05/21/12	May -17	
42	Tri-Cities Orthodontics	Linden Square Drive	TH-21	Private	0.4	0.1	0.5	Beaver Creek	Detention Pond	No	02/10/12	02/10/12	May -17	
43	The Falls Dev - Pond 1	Smoky Mtn Blvd	TH-21	Public	0.9	4.1	5.0	Beaver Creek	Detention Pond	N/A	03/02/15	03/02/15	May -18	VAR107120
44	The Falls Dev - Pond 2	Cabela Drive	TH-21	Public	23.8	5.4	29.2	Beaver Creek	Detention Pond	N/A	03/02/15	03/02/15	May -18	VAR107120
45	The Falls Dev - Pond 3	Cabela Drive	TH-21	Public	42.3	13.5	55.8	Beaver Creek	Detention Pond	N/A	03/02/15	03/02/15	May -18	VAR107120
46	Hilton Garden Inn	117 Village Circle	TH-21	Private	1.7	0.1	1.8	Beaver Creek	Bio-Retention	Yes	03/13/15	03/13/15	May -18	VAR10-14-100350
47	Virginia Premier	105 Village Circle	TH-21	Private	0.5	0.1	0.6	Beaver Creek	UG Detention	Yes	06/02/14	06/02/14	May -18	N/A
48	Landfill Gas Energy	Landfill	TH-20	Private	1.1	9.9	11.0	Beidleman Creek	Rainwater Harvest	Pending	Under Const.			VAR10H067
49	Bristol Infusion Center	349 Island Rd	TH-22	Private	1.3	1.0	2.3	Stoffel Creek	Bio-Retention	Yes	01/07/15	01/07/15	May -18	VAR10D346
50	Morrison School	200 North Pinecrest	TH-21	Private	1.1	0.6	1.7	Little Creek	Detention Pond	Pending	06/12/15	06/12/15	May -18	VAR10D740
51	Dollar General	1401 Euclid Ave	TH-21	Private	0.24	0.06	0.30	Susong Branch	Dry Swale	Pending	09/25/15	09/25/15	May -18	VAR10H018
52	Stollings Collision Center	3528 Lee Highway	TH-21	Private	0.60	0.25	0.85	Beaver Creek	Grass Channel	Pending	Under Const.			VAR10G528
53	Oakmont at Gordon Park - 1	410 Gordon Ave.	TH-21	Private	1.78	0.80	2.58	Little Creek	Bio-Retention	Pending	Under Const.			VAR10G714

Stormwater Facilities/BMPs in Bristol, Virginia

Facility ID	Use/Description	Location	HUC-6	Maintenance Responsibility	Acres Treated			Impaired Waters 2010 305(b)/303(d) Integrated Report	BMP Type	Maintenance Agreement? Y/N	Install Date	Date of Last Inspection	Scheduled Inspection	VAR Number
					Imperv	Perv	Total							
54	Oakmont at Gordon Park - 2	410 Gordon Ave.	TH-21	Private	0.48	0.46	0.94	Little Creek	Bio-Retention	Pending	Under Const.			VAR10G714
55	Bank of Marion	3581 Lee Highway	TH-21	Private	0.44	0.15	0.59	Beaver Creek	Bio-Retention	Pending	Under Const.			N/A

City of Bristol
**Stormwater Management Facility
 Inspection Checklist**



1. FACILITY INFORMATION				
Facility ID#:	New Construction (name of project):			
If New Facility, Provide the following:	Acres Treated:	Impervious:	Pervious:	
	Sixth Order H.U.C.:			
	Impaired Waters:			
	Date Facility Info. Added to Database:			
Use/Description:	Location:			
BMP Type (Retention Pond, Detention Pond, Manufactured BMP, etc.):	Install Date:			
Maintenance Responsibility (circle one):	Public	Private	Private w/ Agreement	
Maintenance Agreement (Y / N):				
2. INSPECTION INFORMATION				
Inspection Date		Time:		
Weather Conditions During Inspection:				
Type of Inspection:	During Construction	Final Const. Insp.	Every 5 yrs	Other (describe):
Findings Related to Installation of the Facility (if new):	<ul style="list-style-type: none"> Installed According to Approved Design, Functions Properly Installed According to Approved Design, Does Not Function Properly Not Installed According to Design Other (describe): 			
Actions Needed to Address Issues Related to Installation and/or Operation of the Facility:	<ul style="list-style-type: none"> No Action Needed Design Modification Needed (new facility) Install or Re-Install According to Approved Design (new facility) Maintenance Needed (See Section 4 Below) 			
3. MAINTENANCE RESPONSIBILITY (SKIP IF PUBLICLY-OWNED)				
Name of Person Responsible for Inspection/Maintenance of Private Facility:				
Contact Information:				
Inspections Completed in Accordance with Schedule? (Y / N)				
Maintenance Performed in Accordance with Schedule? (Y / N)				
Recommended Enforcement Action:	<ul style="list-style-type: none"> None Verbal Warning Notice of Violation Stop Work Order Civil and Criminal Judicial Other (describe): 			

City of Bristol
**Stormwater Management Facility
 Inspection Checklist**



- Will the City Need to Make the Repair? (Y / N), Describe:

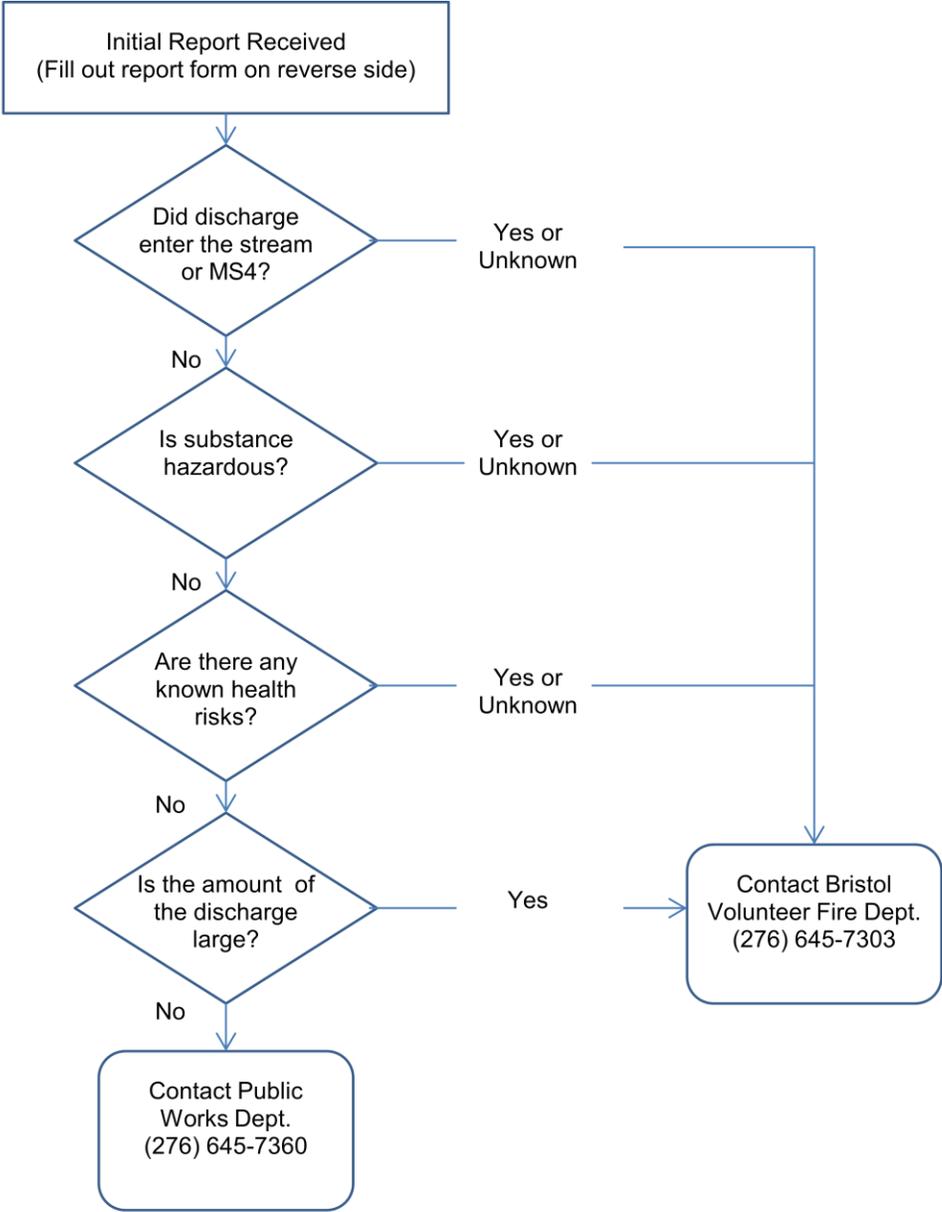
4. MAINTENANCE ACTIVITY

Type of Maintenance Required:	<ul style="list-style-type: none"> • None • Remove Trash • Remove Sediment • Remove Overgrown Vegetation • Replace Dead Vegetation • Manufactured BMP Maintenance • Repair/Replace Outlet Structure • Repair/Replace Pipe • Other (describe):
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Brief Description of How Maintenance was Handled:

Signature of Inspector:	Date:
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City of Bristol
**Stormwater Management Facility
Inspection Checklist**

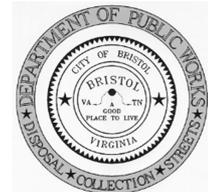


Appendix F

MCM #6: Pollution Prevention and Good Housekeeping



CITY OF BRISTOL, VIRGINIA
Public Works Department
Bristol, Virginia 24201
G. Wallace McCulloch, City Engineer
 wallace.mcculloch@bristolva.org



Street Maintenance Division
 2103 Shakesville Road
 Phone: (276) 645-7360
 FAX: (276) 645-7235

Engineering Division
 300 Lee Street
 Phone: (276) 645-7360
 FAX: (276) 645-7365

Collection Division
 2125 Shakesville Road
 Phone: (276) 645-7380
 FAX: (276) 645-3781

Disposal Division
 2125 Shakesville Road
 Phone: (276) 645-3791
 FAX: (276) 591-5237

Memorandum

Date: September 24, 2014

To: File

From: G. Wallace McCulloch, P.E.

Re: High Priority Facilities

Comments:

- | | |
|---|--|
| City of Bristol Land Fill:
2125 Shakesville Rd.
Bristol, VA 24201 | Equipment Storage and Land Fill |
| Fire Station #2:
1603 Euclid Ave.
Bristol, VA 24201 | Fueling and Equipment Storage |
| Randolph Field:
Randolph Street
Bristol, VA 24201 | Fueling, Maintenance and Equipment Storage |
| Sugar Hollow Park:
21361 Sugar Hollow Rd.
Bristol, VA 24202 | Fueling, Maintenance and Equipment Storage |
| Clear Creek Golf Club:
732 Harleywood Rd
Bristol, VA 24202 | Fueling, Maintenance and Equipment Storage
Fertilizer and Pesticide Storage |

VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
P O BOX 1163, RICHMOND VA 23219-1163

PESTICIDE APPLICATOR CERTIFICATE

Issued
06/02/2014

Expires
06/30/2016

GOVT EMPLOYEE
FOR BL# 5185

Fee Paid
EXEMPT

Certificate
88853-G



Issued in accordance with application duly executed by the person shown below who has agreed to comply with all applicable laws, rules and regulations

MATTHEW S MEADE
CITY OF BRISTOL CLEAR CREEK GOLF COURSE
36801 PLUM CREEK RD
GLADE SPRING, VA 24340

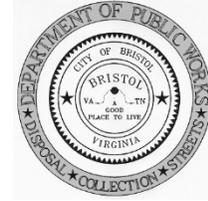


Sandra J. Adams
Acting Commissioner

Liza J. Fleeson
Authorized Representative



CITY OF BRISTOL, VIRGINIA
Public Works Department
Bristol, Virginia 24201
G. Wallace McCulloch, City Engineer
wallace.mcculloch@bristolva.org



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FAX: (276) 645-3781

Disposal Division
2125 Shakesville Road
Phone: (276) 645-3791
FAX: (276) 591-5237

Memorandum

Date: September 21, 2015

To: File

From: G. Wallace McCulloch, P.E.

Re: Fire Department Training

Comments:

The following is a summary of the Fire Department's training:

The Bristol, Virginia Fire Department maintains one of eight state-sponsored Hazardous Materials Response Teams. The team is under the direction of the Virginia Department of Emergency Management and can respond to spill emergencies within our designated response area.

Firefighters are certified in hazardous materials response and all personnel attend OSHA-required refresher training each quarter. In addition to this 32 hours of refresher training, a live drill is held with the full team each quarter. At this time, our roster includes (31) Hazmat Technicians and (4) Hazmat Specialists. All fire department personnel have completed the FEMA National Incident Management System 100-700 courses, as required.

Personnel receive training from Virginia Department of Fire Programs and Department of Emergency Management instructors. Other drills and training are presented by industry and equipment experts. Our department has an on-line training program that can access other outside sources for drills and certification needs.