

**GENERAL PERMIT FOR SMALL MUNICIPAL
SEPARATE STORM SEWER SYSTEMS
PERMIT NUMBER: VAR040053**

**Permit Year 5 Annual Report
Reporting Period: July 1, 2017 - June 30, 2018**



City of Winchester, Virginia
Rouss City Hall
Public Services Department
15 North Cameron Street
Winchester, VA 22601

October 1, 2018

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Attachments

1. *Electronic Database/Spreadsheet of City-Owned and Privately-Owned Stormwater Management Facilities*
2. *Evaluation of the City's MS4 Public Education and Outreach Program*
3. *Letter from DEQ Confirming City Yards Facility Coverage Under the Virginia General Permit for Discharge of Stormwater from Industrial Activities*
4. *SWPPP for Parks Maintenance Building in Jim Barnett Park*

1.0 Background Information

(1) Name and State permit number of the program submitting the annual report; (2) The annual report permit year; (3) Modifications to any operator's department's roles and responsibilities; (4) Number of new MS4 outfalls and associated acreage by HUC added during the permit year; (5) Signed certification in accordance with 9 VAC25-870-370.

1. Name and State permit number of the program submitting the annual report:

City of Winchester, VA

Permit # VAR040053

2. The annual report permit year:

This serves as the Annual Report for permit Year 5 of the 2013-2018 Virginia MS4 General Permit. This Report covers the reporting period from July 1, 2017 – June 30, 2018.

3. Modifications to any operator's department's roles and responsibilities:

There have been no modifications to the roles and responsibilities of the various City departments responsible for implementation of the program during this reporting period. The City's Engineering Division, led by the City Engineer, is responsible for implementing the commitments in the MS4 Program Plan. The City's Department of Fire and Rescue, led by the Fire and Rescue Chief, is responsible for implementation of BMP 3.7: Hazardous Spill Response. The City's Public Works Division, led by the Refuse and Recycling Coordinator, is responsible for the implementation of BMP 3.8: Household Hazardous Waste Collection and BMP 3.9: Household Waste Reduction. The City's Public Works Division, led by the Public Works Division Manager, is responsible for implementation of BMP 5.5: City-Owned Stormwater Management Facility Maintenance and BMP 6.8: Street Sweeping.

4. Number of new MS4 outfalls and associated acreage by HUC added during the permit year:

No new outfalls were added to the City's inventory during the reporting period.

5. Signed certification in accordance with 9 VAC25-870-370

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.


Perry Eisenach, P.E.
Public Services Director

9/28/18
Date

For questions about the annual report submittal or Winchester's MS4 Program Plan, please contact:

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2.0 Status of Permit Condition Compliance

The status of compliance with state permit conditions, an assessment of the appropriateness of the identified best management practices and progress towards achieving the identified measurable goals for each of the minimum control measures.

2.1. Assessment of BMP Appropriateness

The City of Winchester is confident that the BMPs we have chosen to implement under our 2013-2018 MS4 Program Plan are appropriate and meet the requirements of the MS4 General Permit. We will continue to monitor the status and appropriateness of each BMP as implementation continues.

2.2. Required MS4 Program Plan Updates

The MS4 General Permit identified a compliance schedule for the development and implementation of a number of new MS4 General Permit Requirements. There were no updates required this reporting period and the City is currently in compliance with the schedule included in Table 1 of the MS4 General Permit.

2.3. Measurable Goals Progress

I. Public Education and Outreach

BMP 1.1. City Stormwater Webpage: The City will maintain a web page dedicated to the City's stormwater management program. The MS4 Program Plan, MS4 Annual Reports and other information will be made available to the public through this website. Once a year in conjunction with development of the MS4 Annual Report, the City will insure the validity of all links to stormwater information included on the web page.

During this reporting period, the City continued to maintain a stormwater specific webpage found at: <http://www.winchesterva.gov/engineering/stormwater>. The City's webpage is the primary public education and outreach tool utilized for reaching the program's targeted audiences and providing for distribution of educational materials to convey the appropriate messages. Through this webpage, the City provided year-long public access to the following:

- EPA video series "After the Storm".
- Advertisement of the Stormwater Complaint Hotline and distribution (via direct download) of the Stormwater Complaint Hotline Flyer.
- Pollution prevention and water conservation tips.
- Distribution (via direct download) of flyers about picking up pet waste and the hazards of feeding wild waterfowl.
- Benefits of rain barrels and instructions on how to make them.

- *Current and past regulatory documents pertaining to City's stormwater program including the Program Plan, Annual Report, and TMDL Action Plans.*
- *Links to other stormwater webpages maintained by the EPA and Virginia DEQ.*

There were approximately 816 unique page views on the City's Stormwater Webpage during this reporting period. This represents a significant increase from 329 views during the previous reporting period. Regardless, the City will continue to explore ways to further promote the stormwater webpage.

BMP 1.2. Social Media: The City will use its Facebook and Twitter accounts as necessary to distribute stormwater related information to its citizens in order to meet the annual requirement to reach 20% of its target audiences.

The City has 11,628 Facebook and 3,203 Twitter individual followers which facilitated distribution of stormwater related materials and messages during this reporting period.

BMP 1.3. Public Events: The City will participate in public events such as the Community Wellness Festival as necessary to distribute stormwater related information to its citizens in order to meet the annual requirement to reach 20% of its target audiences. Expected public events will be identified as part of the intended MS4 Public Education and Outreach Program for the next reporting year in the applicable MS4 Annual Report.

The City participated in the Valley Health Community Wellness Festival on February 24, 2018. During this event, City Public Services staff made contact with approximately 180 children/adults and handed out "goody bags" each of which included 5 stormwater related pieces of information. Therefore approximately 900 stormwater-related informational materials were distributed to the general public including City residents at this event.

The City held its third annual Spring Greening on April 21, 2018. The Spring Greening is a way to involve citizen volunteers in trash pickup along the City's streams. Notices were sent to boy/girl scouts and schools in the City of Winchester area, inviting them to participate. In addition, volunteers were solicited through various media, asking volunteers to meet at a city park and then be directed to stretches of Abrams Creek running through city-owned property. The city arborist also performed a tree planting demonstration. Thirty volunteers picked up trash from the streams in the morning and collected 450 lbs. waste from Abrams Creek.

Moving forward, the City will continue its participation in the Community Wellness Festival and will explore ways to increase involvement in the annual Spring Greening event. The City is continuing to hold the Green Neighborhood Expo event, but due to its low interest in participation and change in the organizing committee, the City is unsure of how long this event will continue. However, the City will continue holding the Spring Greening event because of the increase in interest and participation (from 10 participants in 2017 to 30 participants in 2018). In addition, the City will continue to explore the possibility of creating new public events which target specific audiences such as contractors, dog owners, or car washers.

BMP 1.4 Publications (Print and Electronic): The City will use publications such as its Cit-E newsletter as necessary to distribute stormwater related information to its citizens in order to meet the annual requirement to reach 20% of its target audiences. Expected use of publications will be identified as part of the intended MS4 Public Education and Outreach Program for the next reporting year in the applicable MS4 Annual Report.

The City's webpage is the primary public education and outreach tool utilized for reaching the program's targeted audiences and providing for distribution of educational materials to convey the appropriate messages. Publications currently available for download from the City's Stormwater webpage during this reporting period included:

- Stormwater Complaint Hotline Flyer
- EPA's "After the Storm" Video Series
- "Pick it Up, It's Your Doodie" Pet Waste Brochure
- "Please Do Not Feed the Waterfowl" Wildlife Waste Brochure
- "How to Make Your Own Rain Barrel" Presentation
- 2014 - 2018 Municipal Separate Storm Sewer System (MS4) Program Plan
- MS4 Permit Years 1-4 Annual Reports
- After the Storm Brochure - English
- After the Storm Brochure - Spanish
- SepticSmart:Septic Tank Maintenance – English
- SepticSmart:Septic Tank Maintenance - Spanish
- Make Your Home the Solution to Stormwater Pollution Brochure
- Kids Stormwater Stickers

In addition, the City uses its email newsletter, The Cit-E News, to announce and promote various activities throughout the year that have an impact on stormwater. Educational articles dealing with stormwater are also published in the newsletter. The Cit-E News currently has a total of 2,589 subscribers; however, many of the City's Facebook and Twitter posts direct readers to articles in the Cit-E News, so readership is much larger than just the subscriber list.

BMP 1.5. Watershed and Stormwater Educational Opportunities Program: The City will continue to implement its Watershed and Stormwater Opportunities Education Program directed at students in Winchester City Public Schools. The City will concentrate on delivery of this program to sixth grade students in a manner necessary to insure that high priority water quality issues are addressed to the target audiences.

The City continued the Watershed and Stormwater Educational Opportunities Program as part of the City's formal program of stormwater education at schools within the City. The City's engineering staff conducted the following school presentations regarding engineering and high priority water quality issues during the current reporting period:

- September 26, 2017 – Winchester STARBASE Academy 5th graders – 40 students
- November 3, 2017 – Winchester STARBASE Academy 5th graders – 40 students
- December 1, 2017 – Winchester STARBASE Academy 5th graders – 40 students
- February 14, 2018 – Sherando High School Spec. ed. – 20 students
- February 16, 2018 – Massanutten Military Academy – 25 students
- March 19, 2018 – New John Kerr Elementary School pre-K – 4th graders – 550 students

- April 24, 2018 – Winchester STARBASE Academy 5th graders – 45 students
- May 3, 2018 – Orchard View Elementary 2nd graders – 80 students
- June 6, 2018 – Orchard View Elementary 4th graders – 65 students

BMP 1.6. Other Message Delivery: The City will utilize other types of message delivery as necessary such as "Clean Up After Your Dog" signage at the City's Dog Park to reach the target audiences identified in its Public Education and Outreach matrix. These types of message delivery will be identified as part of the intended MS4 Public Education and Outreach Program for the next reporting year in the applicable MS4 Annual Report.

The City continued to promote picking up pet wastes through the use of "Clean Up After Your Dog" signs placed at the Dog Park located in Jim Barnett Park. There are currently 173 dog owners who are registered to use the Dog Park.

The City's Public Works Division continued to promote its Adopt-A-Tree, Watch It Grow program on its web page and through distribution of its pamphlet. There were 2 Adopt-A-Tree plantings during this reporting period.

BMP 1.7. Educational Materials: The City will retain copies (electronic or hard copy) of educational materials utilized in delivery of its messages regarding high priority water quality issues to target audiences. As part of the stormwater education and outreach program review required prior to reapplication for coverage under the MS4 General Permit in FY2017/18, the City will review the appropriateness of the message contained in these educational materials.

The City continues to maintain current copies of all the educational materials utilized under its Public Education and Outreach program to include the publications listed under BMP 1.4 above.

Additional Reporting Requirements:

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

Table 1. Education and Outreach Activities conducted during this reporting period

High Priority WQ Issue	Activity Description	Estimated # of People Reached	Estimated % of Target Audience(s) Reached
HPWQI #1: Reduce the amount of sediments and nutrients in area stormwater discharges <i>Target Audience: 8,341 citizens</i>	Watershed and Stormwater Educational Opportunities Program at local schools	905	21%*
	Community Wellness Festival 2015	180	2%
	Rain Barrel Workshop	0	0%
	Spring Greening	30	<1%
	Social Media Campaign on Facebook and Twitter	14,831	17%**

HPWQI #2: Reduce bacteria levels in City of Winchester streams <i>Target Audience: 3,200 citizens</i>	Watershed and Stormwater Educational Opportunities Program at local schools	905	56%*
	Community Wellness Festival 2015	180	5%
	Spring Greening	30	<1%
	Social Media Campaign on Facebook and Twitter	14,831	46%**
HPWQI #3: Reduce the number of Illicit Discharges <i>Target Audience: 8,175 citizens</i>	Watershed and Stormwater Educational Opportunities Program at local schools	905	22%
	Community Wellness Festival 2015	180	2%
	Spring Greening	30	<1%
	Social Media Campaign on Facebook and Twitter	14,831	18%**
<p>* These estimates assume that each student shared the ideas and information they received during the training with two other family members or friends who are part of the targeted audiences.</p> <p>** These estimates conservatively assume that 10% of the City's individual followers on Facebook and Twitter are part of the targeted audiences and were reached by the City's Social Media Campaign.</p>			

Provide 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.

The City plans to continue with the following education and outreach activities during the next reporting cycle and expects to reach the same or even more members of the targeted audiences as were reached during this reporting period (which was well over the targeted 20%):

- *Watershed and Stormwater Educational Opportunities Program at local schools (To be scheduled)*
- *Green Neighborhood Expo (October 20, 2018)*
- *Community Wellness Festival 2019 (February 2019)*
- *Spring Greening (Spring 2019)*
- *Rain Barrel Workshop (Potentially early-Spring 2019)*
- *Social Media Campaign on Facebook and Twitter (Continuously throughout the year)*

II. Public Involvement and Participation

BMP 2.1. Public Announcements: The City will provide public notification of all public meetings and hearings in accordance with any applicable federal, state, and local public notice requirements.

The City has continued to comply with the applicable public notice requirements under the MS4 General Permit. Public meetings are advertised on the City's web page <http://www.winchesterva.gov/government/public-meeting-and-business-procedures> and in the Winchester Star Newspaper, as required by Virginia Open Meetings Law.

BMP 2.2. Public MS4 Program Information Access: The City will provide public access to the MS4 Program Plan and MS4 Annual Reports by placing copies of the updated MS4 Program Plan and MS4 Annual Report on the City's Stormwater Webpage (BMP 1.1). Copies of each year's annual report will be retained on-line for the length of the current General Permit.

The City of Winchester's current MS4 Program Plan and previous Annual Reports are available for download at: <http://www.winchesterva.gov/engineering/stormwater>. This MS4 Annual Report and any revisions to the City's MS4 Program Plan will be placed on-line within 30 days of submission to DEQ.

BMP 2.3. Stormwater Complaint Hotlines: The City will maintain its current stormwater complaint hotlines to encourage public reporting and involvement. The City promotes 540-662-4131 for reporting urgent issues such as illegal dumping and spills. The City promotes 540-542-1346 for reporting of less urgent issues such as maintenance issues and erosion and sediment control complaints.

During this reporting period, the City continued to advertise the Stormwater Complaint Hotlines on its stormwater webpage, processed calls placed to the Stormwater Complaint Hotlines, and facilitated distribution (via direct download) of the Stormwater Complaint Hotline Flyer.

BMP 2.4. Promotion of the Local Environmental Events: The City will annually promote a total of four events encouraging public participation and involvement including Household Hazardous Collection Days and Adopt-A-Stream. The City will promote these activities through use of its public education and outreach BMPs such as 1.1 City Stormwater Webpage, 1.4 Publications and 1.6 Other Message Delivery.

The local environmental events that the City promoted during this reporting period were:

- *Household Hazardous Waste Collection Days (see schedule under BMP 2.5)*
- *October – December – Leaf Collection – via Facebook, Cit-E News*
- *February 22 – Publicize Valley Health Wellness Festival event – via Cit-E News*
- *April 19 – Promoting Arbor Day tree plantings – via Facebook, Cit-E News*
- *April 19 – Spring Greening – via Facebook, Cit-E News*

BMP 2.5. Promotion of the Household Hazardous Waste Collection Days: The City will continue to promote the joint Frederick County /Winchester Household Hazardous Waste Collection Days program. The City will promote the Household Hazardous Waste Collection Days as one of its four local participation programs and will contribute to its implementation by providing pick-up and disposal of trash and debris collected by the participants.

The City continued to promote the Household Hazardous Waste Collection Days as one of its four local participation programs. These events were held on the first and third Wednesdays of each month from noon to 6 p.m. during the months of April through October. During the months of November, December, January, February and March, one event was held each month on the third Wednesday of the month.

BMP 2.6. Sponsorship of Adopt-A-Stream Program: The City will continue to promote Adopt-A-Stream program by sponsoring an annual stream clean-up day. In addition, the City will sponsor an Adopt-A-Stream Stream Clean-Up Day as one of its four local participation programs and will contribute to its implementation by providing pick-up and disposal of trash and debris collected by the participants.

The City is continuing its annual Spring Greening event which promotes stream cleanup along with its Adopt-A-Stream program. The event was held on April 21, 2018 and 30 volunteers collected 450 lbs. of trash from one city stream running through city-owned property.

Additional Reporting Requirements:

Provide a web link to the MS4 Program Plan and annual report.

The City of Winchester's current MS4 Program Plan and previous Annual Reports are available for download at: <http://www.winchesterva.gov/engineering/stormwater> . This MS4 Annual Report and any revisions to the City's MS4 Program Plan will be placed on-line within 30 days of submission to DEQ.

Provide documentation of compliance with the public participation requirements of this section.

Documentation of the City's compliance with the public participation requirements contained in Section II.B.2 of the MS4 General Permit has been provided in the write-ups shown above under the Public Involvement and Participation section of this Annual Report and via the City's stormwater webpage.

III. Illicit Discharge Detection and Elimination

BMP 3.1. Storm Sewer Infrastructure and Outfall Mapping: The City will maintain a stormwater infrastructure layer as part of its overall GIS program. The General Public will be able to access the stormwater infrastructure layer using the City's interactive mapping program. The City will maintain an MS4 Outfall layer that identifies the location of the City's MS4 outfalls.

In accordance with MCM 3 of the City's MS4 Program Plan, the Outfall Map was updated in 2017 to include all MS4 outfalls located within the boundaries identified as "urbanized" areas in the 2010 Decennial Census. As a part of that update, the City evaluated all of the previously located outfalls to determine if they were actually MS4 regulated outfalls. Additionally, the approximate drainage area of each regulated outfall was delineated. This updated mapping information was included as Attachment 2 of Annual report 4.

The City continues to update the storm sewer map on a continuous basis with the receipt of "as-built" development plans. A utilities map including storm sewer infrastructure mapping is available to the public on the following website: <http://gis.winchesterva.gov/utilitiesmapping/>

BMP 3.2. MS4 Operator Coordination: The City will provide written notification to downstream MS4 operators where it identifies that the City's MS4 infrastructure is physically connected. At this time, the only local MS4s are the Frederick County Schools MS4 and the Virginia Department of Transportation.

The City did not provide any new written notifications of physical interconnections with downstream MS4 operators as they are the same as in previous years.

BMP 3.3. Legal Authority - IDDE: The City will maintain legal authority prohibiting illicit discharges into the MS4 system. The legal authority will also identify those non-stormwater discharges allowed to be discharged into the MS4 system. This legal authority is established at Chapter 9, Section III of the Code of Winchester.

The City continues to maintain the legal authority to prohibit illicit discharges through the City's Water Protection Ordinance (Chapter 9 of the City Code). The City provides information on illicit discharges and links to Chapter 9 of the City Code on the following website: <http://www.winchesterva.gov/engineering/stormwater>.

BMP 3.4. IDDE Investigation and Follow-Up: The City will investigate and conduct follow-up on suspect discharges in accordance to procedures included in the Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedures Manual, June 2014 edition.

The City's Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedures Manual, June 2014 edition provides guidance for investigating complaints, determining the source of suspect discharges, and eliminating illicit discharges. Those investigations are summarized below under BMP 3.6.

BMP 3.5. MS4 Outfall Dry Weather Field Screening: The City will conduct dry weather screening on fifty (50) MS4 outfalls annually using procedures included in the Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedures Manual, June 2014 edition.

In conjunction with the update to the outfall mapping noted above under BMP 3.1, the City conducted dry weather screening inspections of all MS4 outfalls during this reporting period. A total of 50 regulated outfalls were screened and no suspect discharges were found.

BMP 3.6. Illicit Discharge Tracking and Documentation: The City will track and document suspect and illicit discharges, as well as, City investigation, follow-up and enforcement actions in accordance to procedures included in the Illicit Discharge Detection and Elimination (IDDE) Standard Operating Procedures Manual, June 2014 edition.

During this reporting period, the City investigated six reports of illicit discharges.

Table 2. Illicit Discharge Tracking Summary

ID #	Date Opened	Description of Discharge	Actions Taken	Date Closed
IDR18-001	8/17/2017	E&S measures failed at single family home construction site during heavy rain and sediment was washed downstream for several blocks.	There were no storm inlets in the immediate area of the site so the sediment was largely contained to the curb and gutter. The E&S inspector ensured that the contractor on the site shoveled and swept any sediment the left the site.	8/18/2017
IDR18-002	10/30/2017	White colored water was seen pooling in the gutter in front of 229 South Loudoun. The Erosion Control Inspector inquired at the business about the source and was told that it was from the painters cleaning their brushes outside on the pavement.	The owner of the business used a vacuum to remove the remaining puddled water. The site was continually checked to make sure that the painter did not continue to release brush cleaning water.	10/30/2017
IDR18-003	2/6/2018	50 Concrete trucks left the site without cleaning their tires, pulling sediment onto Meadow Branch Avenue.	The contractor was given a 7 days to comply with E&S regulations. A Notice to Comply was then given out. The Notice to Comply was for 7 days. The morning of the 14th day, the LDP Permit was pulled due to non-compliance by the inspector and program administrator. The E&S inspector ensured the contractors on site resolved this issue before the permit was reinstated.	2/27/2018

IDR18-004	2/8/2018	Light brown colored liquid was seen in the gutter manhole in front of Roy Rogers on South Pleasant Valley. The E&S inspector spoke with the contractors about the source and was told that it was from disconnecting the water hose into the gutter manhole during the boring process.	The E&S inspector ensured that the contractor on site shoveled and swept all the light brown colored illicit discharge from the gutter and manhole.	2/8/2018
IDR18-005	3/27/2018	A blue tube was seen connecting from the basement of 201 West Street to the City's Storm Sewer. The E&S inspector learned that the sump pump was disconnected and all electricity was off, and the owner had roughly 4 inches depth of water with sediments flooded in the basement.	The Stormwater engineer explained why discharging straight into the storm sewer is not allowed, and the owner pulled the tube from the storm sewer back into the house.	3/27/2018
IDR18-006	4/22/2018	The Stormwater Engineer went out 1721 Brandon Drive to inspect an illicit discharge. Oil was clearly seen on the site in front of the vehicle. The oil was still wet on the floor on a dry day.	The Stormwater Engineer met with the owner of the property on site. The owner stated he will be clean up the oil left over with cat litter.	4/23/2018

BMP 3.7. Hazardous Spill Response: The City, in cooperation with Frederick County, will provide emergency response to hazardous material spills and accidental chemical releases.

During this reporting period, there were 44 incidents reported by emergency response personnel. All of these incidents were minor in nature and were contained to the area of origin. None of these events resulted in a discharge to the City's MS4.

BMP 3.8. Household Hazardous Waste Collection: The City, in cooperation with Frederick County, will continue to provide household hazardous waste collection opportunities for its residents. The collection schedule will be promoted through use of the City's social media and Cit-E newsletter.

The City continued to promote the Household Hazardous Waste Collection Days as one of its four local participation programs. These events were held on the first and third Wednesdays of each month from noon to 6 p.m. during the months of April through October. During the months of November, December, January, February and March, one event was held each month on the third Wednesday of the month. All collections take place at the landfill's citizens' convenience center.

BMP 3.9. Household Waste Reduction: The City will continue to provide weekly waste collection services for City residents. In addition, the City will continue to provide fall leaf collection services, yard waste collection services and bulky waste collection services to City residences. Schedules for these services will be placed on the City's Public Works web page regarding refuse and recycling (<http://www.winchesterva.gov/public-works/refuse>).

The City continued to provide weekly waste collection services for City residents. The following are statistics associated with the City's Household Waste Reduction Program during this permit cycle:

- Household waste collected – 6,560.62 tons
- Recycled materials (paper/cardboard, bottles/cans/plastic, scrap metal) collected – 2,961.86 tons
- Yard waste collected – 897.60 tons
- Recycling bins distributed – 1,247

BMP 3.10. Elimination of Sanitary Sewage Seepage from Public Sewers: The City will continue, as part of its sanitary sewer utilities program, implementation of its inflow and infiltration program to replace or slipline sanitary sewers to prevent illicit discharge. The level of implementation of this BMP each year will be established by the City Council as part of annual budget approval.

As part of the City's ongoing inflow and infiltration program, the City replaced no sewer main and replaced no manholes during this reporting period.

Additional Reporting Requirements:

List any written notifications of physical interconnections given by the operator to other MS4s

The City did not provide any new written notifications of physical interconnections with downstream MS4 operators as they are the same as in previous years (Frederick County Schools MS4 and the Virginia Department of Transportation).

List the total number of outfalls screened during the reporting period, the screening results, and details of any follow-up actions necessitated by the screening results

The City screened 50 outfalls during this reporting period. The City's outfall screening results were provided under BMP 3.5 above.

Provide a summary of each investigation conducted by the operator of any suspected illicit discharge. The summary must include: (i) the date that the suspected discharge was observed, reported, or both; (ii) how the investigation was resolved, including any follow-up, and (iii) resolution of the investigation and the date the investigation was closed.

The City investigated six potential illicit discharge events during this reporting period. Details, including dates, of these investigations were provided under BMPs 3.5 and 3.6 above.

IV. Construction Site Stormwater Runoff Control

BMP 4.1. Legal Authority – E and SC: The City will maintain legal authority for implementation of a local erosion and sediment control program consistent with 9VAC25-840-10 et. seq. This legal authority is established at Chapter 9, Section II of the Code of Winchester.

The City continues to maintain the legal authority for implementation of a local erosion and sediment control program consistent with 9VAC25-840-10 through the City's Water Protection Ordinance (Chapter 9, Section II of the City Code). The City provides information on erosion sediment control and links to Chapter 9 of the City Code on the following website: <http://www.winchesterva.gov/engineering/>. The City also provides access to a downloadable Land Disturbance Permit Package on the following website: <http://www.winchesterva.gov/engineering/permits>.

BMP 4.2. Land Disturbing Activity Plan Review: The City will require submission of complete Land Disturbance Permit Applications and Virginia Stormwater Management Program Permit Packages for regulated land disturbance activities. The City will review the packages for compliance with Chapter 9, Section II of the City Code (Erosion Control) and Chapter 9, Section III of the City Code (Stormwater Management) by reviewing the checklists included in the permit application packages. Approval for land disturbance will not be given by the City until an application is approved.

The City continues to require permits for land disturbing activities including a VSMP authority permit through Chapter 9 of the City Code. The City provides access to a downloadable Land Disturbance Permit Package and Virginia Stormwater Management Program Permit Package on the following website: <http://www.winchesterva.gov/engineering/permits>. The City approved 19 construction plan sets during the reporting period.

BMP 4.3. VPDES Construction Activity Permit Coordination: The City will not authorize initiation of land disturbance activities until it receives evidence that the applicant has applied for and obtained coverage under the Virginia General Permit for Discharges of Stormwater from Construction Activities for construction activity, including a completed general permit registration statement as required under City Code Section 9-50.

The City continues to require evidence that the applicant has applied for and obtained coverage under the Virginia General Permit for Discharges of Stormwater from Construction Activities per Section 9-50(b)(4) of the City Code. During this reporting period, there were one site located within the City that were approved for coverage under the VPDES General Permit for the Discharge of Stormwater.

BMP 4.4. Land Disturbing Activity Inspections: The City will maintain a land disturbance inspection program that is consistent with the requirements of Section 9-39 of the City Code. In addition, as part of these inspections, the City will inspect sites for compliance with Section 9-58 of the City Code requiring implementation of a pollution prevention plan and Section 9-67 of the City Code requiring compliance with the approved stormwater management plan. The City will enforce these requirements as authorized and in accordance to Chapter 9 of the City Code.

The City continues to maintain an inspection program in accordance with Sections 9-39 and 9-67 of the City Code. The City's inspection program provides for inspection of land disturbing activities during construction to ensure compliance with:

- *Approved erosion and sediment control plans*
- *Approved stormwater management plans*
- *Development, updating, and implementation of pollution prevention plans*
- *Development and implementation of any additional control measures necessary to address TMDLs*

During this reporting period, there were a total of 2,530 inspections conducted across all construction sites located within the City.

BMP 4.5. Land Disturbing Activity Tracking and Recordkeeping: The City has an existing program to track land disturbance activities to provide the necessary information for routine inspections, as-built inspections, surveys, and determining which areas may be most likely to incur heavier than normal sediment loading. Plan approval records and inspections will be tracked and documented in the City's digital records system, SunGard.

During this reporting cycle, there were 19 Land Disturbance Permit Applications submitted, reviewed, and subsequent permits issued by the City.

Additional Reporting Requirements:

The operator shall track regulated land-disturbing activities and submit the following information in all annual reports: (1) Total number of regulated land-disturbing activities; (2) Total number of acres disturbed; (3) Total number of inspections conducted; and (4) A summary of the enforcement actions taken, including the total number and type of enforcement actions taken during the reporting period.

The following statistics apply to this reporting period:

Table 4. Regulated Land-Disturbing Activities

ITEM	TOTAL
Land Disturbing Permits Issued	19
Disturbed Acres	5.69
Inspections Conducted	2,530
Written Enforcement Actions Necessary	37

V. Post Construction Stormwater Management in New Development and Development on Prior Developed Lands

BMP 5.1. Legal Authority - SWM: The City will maintain the legal authority necessary to implement a VSMP that is consistent with 9VAC25-870-10 et. seq. This legal authority is established at Chapter 9, Section III of the City Code.

The City continues to maintain the legal authority for implementation of a local Virginia Stormwater Management Program (VSMP) consistent with 9VAC25-870-10 through the City's Water Protection Ordinance (Chapter 9, Article III of the City Code). Furthermore, the City provides a link to Chapter 9 of the City Code on the following website: <http://www.winchesterva.gov/engineering/>. The City provides access to a downloadable Virginia Stormwater Management Program Permit Package on the following website: <http://www.winchesterva.gov/engineering/permits>.

BMP 5.2. Private Stormwater Management Facility Inspections: The City will maintain a post development stormwater management facility inspection program in accordance with Section 9-67 of the City Code. Inspections on such facilities will be conducted at least once every five (5) years. Under required maintenance agreements executed by and between a private landowner (BMP 5.3), the City is provided with right-of-access to the private property on which a stormwater BMP is located, confers responsibility for construction and maintenance to the private landowner or property owners' association, and ensures that the City can undertake steps to maintain a facility should an inspection identify any deficiencies or problems. Maintenance agreements are recorded with the title to the property, providing the City with an enforceable legal instrument should a private landowner neglect to maintain a stormwater management facility constructed on his or her property. Inspection records will be kept on file with the City Engineer's Division.

The City continues to maintain a post development stormwater management facility inspection program in accordance with Section 9-67 of the City Code. The City has changed their inspection program from annual inspections by licensed private professionals to inspections once every five years by City personnel, and annual self-inspections by owners. During this reporting period, there were 88 self-inspections reported on 49 different sites. In addition, city personnel conducted another 28 comprehensive inspections on 17 different sites. Of those inspected by the City, 7 were found to have deficiencies beyond the scope of routine maintenance. Notices were sent to the property owners and follow up inspections were scheduled for 60 days from the date of the notices.

BMP 5.3. Maintenance Agreements: The City will require executed maintenance agreements for stormwater management facilities in accordance to Section 9-63 of the City Code. The agreement shall be recorded in the office of the Clerk of the Circuit Court for the City of Winchester. A copy of the City of Winchester Stormwater Facilities/BMP Maintenance Agreement is included in the Virginia Stormwater Management Program Permit Application.

The City continues to require the execution of maintenance agreements for private stormwater management facilities in accordance with Section 9-63 of the City Code. During this reporting period, there were no maintenance agreements executed with the City and recorded in the office of the Clerk of the Circuit Court for the City of Winchester.

BMP 5.4. City-Owned Stormwater Management Facility Inspections: The City Division of Engineering will inspect stormwater management facilities owned/operated by the City annually using procedures identified in the Public Stormwater Management Facility Inspection Standard Operating Procedures Manual, June 2014 edition. Copies of the inspections will be kept on file with the City Engineer's Division.

The City continued with its program to inspect stormwater management facilities owned/operated by the City annually. During this reporting period, there were 41 City owned/operated stormwater facilities that were inspected. Copies of the inspection reports are available in the City Engineer's office.

BMP 5.5. City-Owned Stormwater Management Facility Maintenance: The City Division of Public Works will conduct maintenance on City-Owned Stormwater Management Facilities as necessary and in response to Division of Engineering inspections.

Based on the results of the inspections of the 41 City owned/operated stormwater management facilities, 26 of these facilities required maintenance or follow-up inspections.

BMP 5.6. Tracking and Documentation: The City will track and document permanent stormwater management facilities in the City's BMP spreadsheet maintained by the City Engineering Division.

An updated electronic database/spreadsheet of all known operator-owned and privately-owned stormwater management facilities that discharge into the MS4 is provided under Attachment 1 to this Annual Report.

Additional Reporting Requirements:

The operator shall maintain an updated electronic database of all known operator-owned and privately-owned stormwater management facilities that discharge into the MS4. The operator shall submit an electronic database or spreadsheet of all stormwater management facilities brought online during each reporting year with the appropriate annual report.

An updated electronic database/spreadsheet of all known operator-owned and privately-owned stormwater management facilities that discharge into the MS4 is provided under Attachment 1 to this Annual Report.

The operator shall annually track and report the total number of inspections completed and, when applicable, the number of enforcement actions taken to ensure long-term maintenance.

During this reporting period, there were a total of 28 private stormwater management facility inspections performed and 41 City owned/operated stormwater facility inspections performed. Based on these inspections, 33 sites were found to be deficient and follow up inspections were scheduled.

VI. Pollution Prevention/Good Housekeeping for Municipal Operations

BMP 6.1. Standard Operating Procedures: The City will develop and implement standard operating procedures and pollution prevention methods for its daily operational activities.

Standard Operating Procedures (SOPs) were developed and continue to be implemented. The Pollution Prevention/Good Housekeeping for Municipal Operations - Standard Operating Procedures 2013-2018 were developed during Permit Year 2 and were attached to the Year 2 report. This document outlines the SOPs and the roles and responsibilities of the City Divisions involved.

BMP 6.2. Stormwater Pollution Prevention Plans: The City will develop a stormwater pollution prevention plan (SWPPP) for the equipment and maintenance facility located at Jim Barnett Park.

The Jim Barnett Park equipment and maintenance facility continues to maintain the SWPPP dated June 30, 2017 and is included in this report as Attachment 4. This SWPPP is temporary in nature – the renovation of the existing building was postponed due to funding issues. Until new construction occurs, this temporary SWPPP will be used for any inspections.

BMP 6.3. Nutrient Management Plans: NMPs will be developed by a certified turf and landscape nutrient management planner in accordance with § 10.1-104.2 of the Code of Virginia. NMPs must be renewed every three years. Copies of the nutrient management plans will be incorporated by reference into the MS4 Program Plan upon approval.

In accordance with Section II.B.6.c(1)(b) and Table 1 of the City's MS4 Permit, NMPs for all applicable sites, as identified in the City's NMP Facility Evaluation, were developed during the Year 3 reporting period. These plans cover a total of 19.39 acres.

BMP 6.4. Pollution Prevention Inspections: The City will conduct an annual pollution prevention inspection at the equipment and maintenance facility located at Jim Barnett Park.

This BMP was implemented in conjunction with the development and implementation of the facility's SWPPP on June 30, 2017. Two inspections had been conducted at the time of this report.

BMP 6.5. Staff Training: The City will conduct staff training in accordance with the training schedule and training modules included in the City of Winchester Stormwater Training Plan, June 2014 edition. The City will ensure necessary certifications identified in the training plan are maintained.

The City continued implementation of the City of Winchester Stormwater Training Plan dated June 2014. The following is a list of training events held during this reporting period:

- **Training Module #1 – Recognition and Reporting of Illicit Discharges**
 - March 12, 2017 – 15 attendees
 - March 28, 2017 – 25 attendees
- **Training Module #2 – Pollution Prevention for Road, Street and Parking Maintenance**
 - March 12, 2017 – 15 attendees
 - March 28, 2017 – 25 attendees
- **Training Module #3 – Pollution Prevention for Fleet and Public Works Facilities**
 - March 12, 2017 – 15 attendees
 - March 28, 2017 – 25 attendees
- **Training Module #4 – Minimizing Stormwater Pollution Practices for Parks and Rec Facilities**
 - March 12, 2017 – 15 attendees
 - March 28, 2017 – 25 attendees

BMP 6.6. Street Sweeping: The City will continue its street sweeping program and track the amount of litter and debris removed.

During this reporting period, the City swept approximately 2,999 lane miles of roadways within the City.

BMP 6.7. VPDES Industrial Stormwater Permit Compliance Coordination: As part of the MS4 Program, the City will confirm that the City Yards maintains a current Stormwater Pollution Prevention Plan (SWPPP) as required under the Virginia General Permit for Discharge of Stormwater from Industrial Activities.

The City Yards facility continues to maintain a current Stormwater Pollution Prevention Plan (SWPPP) dated June, 2014. The City also continued coverage under the Virginia General Permit for Discharge of Stormwater from Industrial Activities for this facility as evidenced by the letter from DEQ that is provided here in Attachment 3.

Additional Reporting Requirements:

Provide a summary report on the development and implementation of the daily operational procedures.

The City developed written Standard Operating Procedures (SOPs) for Daily Good Housekeeping and Pollution Prevention during Permit Year 2. The Pollution Prevention/Good Housekeeping for Municipal Operations - Standard Operating Procedures 2013-2018 were attached to the Year 2 report.

Provide a summary report on the development and implementation of the required SWPPPs.

In accordance with Section II.B.6.b(3) and Table 1 of the City's MS4 Permit, a SWPPP for the equipment and maintenance facility located at Jim Barnett Park was developed and implemented on June 30, 2017. This was included in Annual Report Year 4 as Attachment 4.

Provide a summary report on the development and implementation of the turf and landscape nutrient management plans that includes:

- (a) The total acreage of lands where turf and landscape nutrient management plans are required; and
- (b) The acreage of lands upon which turf and landscape nutrient management plans have been implemented.

In accordance with Section II.B.6.c(1)(b) and Table 1 of the City's MS4 Permit, NMPs for all applicable sites, as identified in the City's NMP Facility Evaluation, were developed by a certified turf and landscape nutrient management planner as outlined under BMP 6.3 above.

Provide a summary report on the required training, including a list of training events, the training date, the number of employees attending training and the objective of the training.

The City continued implementation of the City of Winchester Stormwater Training Plan dated June 2014. The following is a list of training events held during this reporting period:

- *Training Module #1 – Recognition and Reporting of Illicit Discharges*
 - *March 12, 2017 – 15 attendees*
 - *March 28, 2017 – 25 attendees*
- *Training Module #2 – Pollution Prevention for Road, Street and Parking Maintenance*
 - *March 12, 2017 – 15 attendees*
 - *March 28, 2017 – 25 attendees*
- *Training Module #3 – Pollution Prevention for Fleet and Public Works Facilities*
 - *March 12, 2017 – 15 attendees*
 - *March 28, 2017 – 25 attendees*
- *Training Module #4 – Minimizing Stormwater Pollution Practices for Parks and Rec Facilities*
 - *March 12, 2017 – 15 attendees*
 - *March 28, 2017 – 25 attendees*

3.0 Results of Collected Data

Results of information collected and analyzed, including monitoring data, if any, during the reporting period.

Under the Abrams Creek and Lower Opequon Creek Combined Sediment and Bacteria TMDL Action Plan, the City was required to develop a water quality monitoring program for POC reductions assessment, which was attached to the Year 3 report. That plan was implemented on September 15, 2016. One sample was taken from each of the four sampling sites during this reporting period and the result is summarized below.

Table 5. Water Quality Monitoring Results

Sample Location	Sample Date	Total E.coli Count (CFU/100ml)	Total Suspended Solids (mg/L)
OT-11	6/5/17	0	64.3
OT-34	6/19/17	TNTC*	584.0
OT-42	6/19/17	380	53.6
OT-54	6/19/17	240	5.8

*Too numerous to count using 5ml sample size. Sample size will be reduced for next sample test.

Other data collected was the evaluation of the City's MS4 Public Education and Outreach Program for the Year 5 report. A small survey with 5 questions was temporarily added to the City's stormwater website, and these questions were intended to assess the knowledge of the residents about the City's stormwater program. To ensure the people taking the quiz were City of Winchester residents, a mandatory section for adding their zip-code was implemented. The results can be found in Attachment 2.

4.0 Future Stormwater Activities

A summary of the stormwater activities the operator plans to undertake during the next reporting cycle.

During the next reporting period, the City plans to continue implementation of the 40 BMPs contained in its current 2014-2018 MS4 Program Plan. Additionally, in order to comply with the MS4 General Permit's compliance schedule (Table 1) and other permit requirements, the City plans to undertake the following activities as well:

- MS4 Permit reapplication.
- Reapplication for the City Yards Facility General Permit for discharge of stormwater as industrial activity.
- Submit a GIS compatible shapefile of MS4 Map.
- Updated Chesapeake Bay TMDL Action Plan

5.0 Changes in BMPs and Measurable Goals

A change in any identified best management practices or measurable goals for any of the minimum control measures including steps to be taken to address any deficiencies.

5.1. Changes in BMPs/Program Elements

The City does not plan to make any changes to the BMPs/Program Elements listed in its 2014-2018 MS4 Program Plan at this time.

5.2. Changes in Measurable Goals

The City does not plan to make any changes to the measurable goals associated with the BMPs/Program Elements listed in its 2014-2018 MS4 Program Plan at this time.

6.0 Government Reliance for Permit Obligations

Notice that the operator is relying on another government entity to satisfy some of the State permit obligations (if applicable).

At this time, the City is not relying on any other government entity to satisfy any direct permit obligations.

7.0 Section II C Program Status

The approval status of any programs pursuant to Section II C (if appropriate), or the progress towards achieving full approval of these programs.

The City does operate a local Erosion and Sediment Control Program consistent with the requirements contained in Section 62.1-44-15:54 of the State Water Control Law and Section 9VAC25-840 of the Virginia Administrative Code. The City also operates a local Virginia Stormwater Management Program consistent with the requirements contained in Section 62.1-44.15:27 of the State Water Control Law and Section 9VAC25-870 of the Virginia Administrative Code. Both of these City programs have been found to be in compliance with their respective regulatory requirements by the appropriate oversight agencies in Virginia.

8.0 General Permit Section I Information

Information required for any applicable TMDL special condition contained in Section I.

The Abrams Creek and Lower Opequon Creek Combined Sediment and Bacteria TMDL Action Plan and the Chesapeake Bay TMDL Action Plan were both approved during the 2nd Annual reporting period and can be found on the City's website at <http://www.winchesterva.gov/engineering/stormwater>.

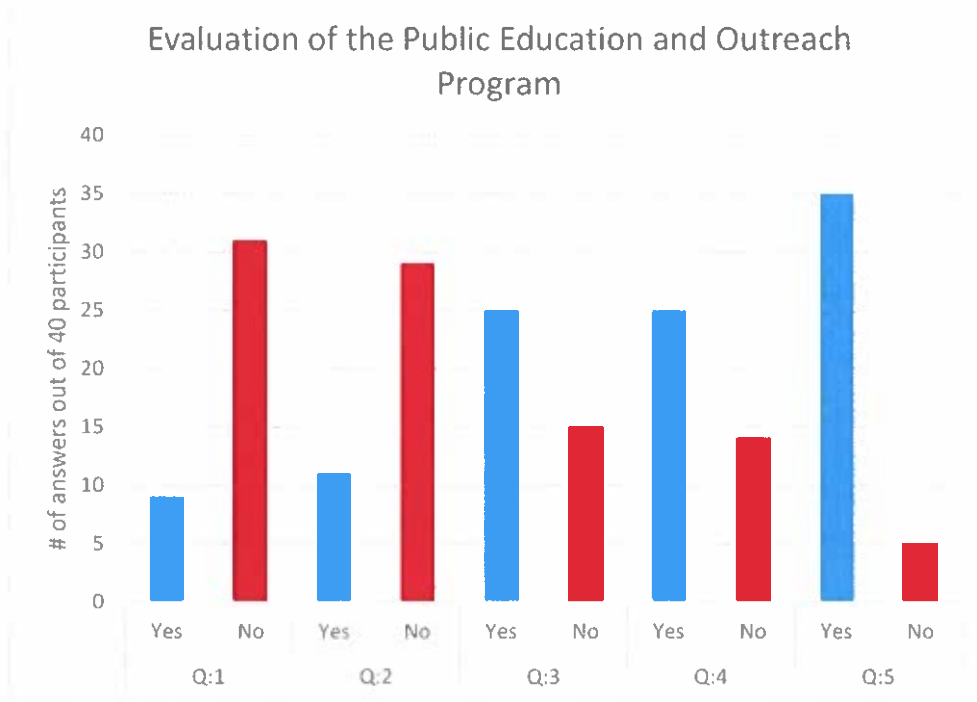
Attachment 1. Electronic Database/Spreadsheet of City-Owned and Privately-Owned Stormwater Management Facilities

Project	Owner Name	c/o	BMP ID	Type ID	BMP Address	Acres Treated	ervious Acres Tre	Constructed?	Online Date	HU Code ID	Public/Private	MA Signed by Owner	Last Inspection	Type of Inspection
The Corners I and II	Biggs Corner Winchester, LLC		0130	Underground Detention	2270 Valor Drive	1.51		TRUE	30-Sep-08		17 Private	05-Feb-07	28-May-14	Inspector
The Corners I and II	Molden Real Estate Corporation		0009	Underground Detention	2310 Valor Drive	1.60		FALSE			17 Private	05-Feb-07		
The Lofts at Jubal Square	Jubal Square, LLC		0238	Retention Basin (Wet Pond)	1900 Valley Avenue	6.89		FALSE			17 Private	02-Jul-15		
Timberlake Office Building	Grove Hill, LLC		0131	Filterra	900 South Pleasant Valley Road	0.24		TRUE	27-Nov-06		17 Private	09-Mar-07	07-Jul-14	Inspector
Timberlake Office Building	Grove Hill, LLC		0132	Filterra	900 South Pleasant Valley Road	0.22		TRUE	27-Nov-06		17 Private	09-Mar-07	07-Jul-14	Inspector
Trinity Auto Center	Grasso & Sons Development Corp.		0218	Bioretention Basin	2409-2433 Valley Avenue	0.67		TRUE	26-Aug-13		17 Private	14-Mar-12	31-May-17	City
Trinity Express Lube	Grasso & Sons Development Corp.		0044	Detention Basin (Dry Pond)	2409-2433 Valley Avenue	0.81		TRUE	30-Jun-05		17 Private		31-May-17	City
Trinity Express Lube	Grasso & Sons Development Corp.		0044	Detention Basin (Dry Pond)	2409-2433 Valley Avenue	0.81		TRUE	30-Jun-05		17 Private		27-Jul-10	Inspector
Valley Ave. Food Lion	Kentland Foundation Inc.		0133	Detention Basin (Dry Pond)	2584-2606 Valley Avenue	20.70		TRUE	19-Dec-06		17 Private		01-Jul-14	Inspector
Valley Mortgage	SEE Properties LP LLP		0134	Detention Basin (Dry Pond)	2654 Valley Avenue	58.00		TRUE	30-Jun-05		16 Private		09-Jul-14	Inspector
Valor Drive Site Plan	Alejandro Orfila	Edwin P. Markowitz	0136	Detention Basin (Dry Pond)	2233-2265 Valor Drive	3.44		TRUE	15-May-06		17 Private		28-Sep-14	Inspector
Valor View Shopping Center	PRO Properties, LLC		0137	Underground Detention	2301-2325 Valor Drive	1.36		TRUE	03-Dec-10		17 Private	10-Apr-10	13-Jun-17	City
Valor View Shopping Center	PRO Properties, LLC		0137	Underground Detention	2301-2325 Valor Drive	1.36		TRUE	03-Dec-10		17 Private	10-Apr-10	08-Apr-14	Inspector
Valor View Shopping Center	PRO Properties, LLC		0138	Bioretention Basin	2301-2325 Valor Drive	0.59		TRUE	03-Dec-10		17 Private	10-Apr-10	13-Jun-17	City
Valor View Shopping Center	PRO Properties, LLC		0138	Bioretention Basin	2301-2325 Valor Drive	0.59		TRUE	03-Dec-10		17 Private	10-Apr-10	08-Apr-14	Inspector
Walmart	Walmart Supercenter		0140	Detention Basin (Dry Pond)	2350 South Pleasant Valley Road	19.40		TRUE	30-Jun-05		17 Private		06-Jun-14	Inspector
Walnut Street Extension Subdivision	Don Packard Jr.		0141	Grass Swale	400 Walnut Drive	1.24		TRUE	26-Sep-05		17 Private		20-Jun-17	City
Walnut Street Extension Subdivision	Don Packard Jr.		0141	Grass Swale	400 Walnut Drive	1.24		TRUE	26-Sep-05		17 Private		20-May-14	Inspector
Westridge Section 1	City of Winchester		0143	Detention Basin (Dry Pond)	2505 Goldenfield Lane	9.20		TRUE	30-Jun-05		17 Public		09-Apr-18	City
Westridge Section 2	City of Winchester		0144	Detention Basin (Dry Pond)	2653 Windwood Drive	15.10		TRUE	30-Jun-05		17 Public		09-Apr-18	City
Whitacre Property	1726 Valley Avenue, LLC		0145	Filterra	1726 Valley Avenue	0.33		FALSE			17 Private			
Whittier Ponding Basin	City of Winchester		0146	Detention Basin (Dry Pond)	841 Whittier Avenue	124.70		TRUE	30-Jun-05		17 Public		18-Apr-18	City
Winchester Marketplace	DSC Properties LLC		0192	Filterra	1551 South Pleasant Valley Road	0.12	0.12	TRUE	30-Sep-15		17 Private	14-Apr-15	16-May-18	City
Winchester Marketplace	DSC Properties LLC		0195	Filterra	1551 South Pleasant Valley Road	0.11	0.11	TRUE	30-Sep-15		17 Private	14-Apr-15	16-May-18	City
Winchester Marketplace	DSC Properties LLC		0196	Filterra	1551 South Pleasant Valley Road	0.21	0.21	TRUE	30-Sep-15		17 Private	14-Apr-15	16-May-18	City
Winchester Marketplace	DSC Properties LLC		0197	Filterra	1551 South Pleasant Valley Road	0.28	0.28	TRUE	30-Sep-15		17 Private	14-Apr-15	16-May-18	City
Winchester Marketplace	DSC Properties LLC		0200	Filterra	1551 South Pleasant Valley Road	0.27		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0193	Filterra	1531-1539 Pleasant Valley Road	0.37	0.37	TRUE	30-Sep-15		17 Private	14-Apr-15	16-May-18	City
Winchester Marketplace	JDC Winchester, LLC		0194	Filterra	1531-1539 Pleasant Valley Road	0.12	0.12	TRUE	30-Sep-15		17 Private	14-Apr-15	16-May-18	City
Winchester Marketplace	JDC Winchester, LLC		0198	Filterra	1531-1539 Pleasant Valley Road	0.08	0.27	TRUE	30-Sep-15		17 Private	14-Apr-15	16-May-18	City
Winchester Marketplace	JDC Winchester, LLC		0199	Filterra	1531-1539 Pleasant Valley Road	0.42	0.30	TRUE	30-Sep-15		17 Private	14-Apr-15	16-May-18	City
Winchester Marketplace	JDC Winchester, LLC		0201	Filterra	222 Spring Street	0.19		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0202	Filterra	222 Spring Street	0.51		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0203	Filterra	222 Spring Street	0.15		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0204	Filterra	222 Spring Street	0.65		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0205	Filterra	222 Spring Street	0.34		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0206	Filterra	222 Spring Street	1.07		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0207	Filterra	222 Spring Street	0.24		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0208	Filterra	222 Spring Street	0.24		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0209	Filterra	222 Spring Street	0.39		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0210	Filterra	222 Spring Street	0.35		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0211	Filterra	222 Spring Street	0.21		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0212	Filterra	222 Spring Street	0.52		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0213	Filterra	222 Spring Street	0.30		FALSE			17 Private	14-Apr-15		
Winchester Marketplace	JDC Winchester, LLC		0214	Underground Detention	222 Spring Street	13.20		FALSE			17 Private	14-Apr-15		
Winchester Medical Center	Winchester Medical Center		0147	Retention Basin (Wet Pond)	1840 Amherst Street	57.00		TRUE	30-Jun-05		17 Private		10-Jun-14	Inspector
Winchester Medical Center	Winchester Medical Center		0148	Retention Basin (Wet Pond)	1840 Amherst Street	57.00		TRUE	30-Jun-05		17 Private		10-Jun-14	Inspector
Winchester Medical Center	Winchester Medical Center		0149	Retention Basin (Wet Pond)	1840 Amherst Street	57.00		TRUE	30-Jun-05		17 Private		10-Jun-14	Inspector
WMC Cancer Center	Winchester Medical Center		0231	Cartridge Filter	1840 Amherst Street	2.65	1.38	TRUE	25-Aug-16		17 Private	31-Oct-14	16-May-18	City

Attachment 2. Evaluation of the City's MS4 Public Education and Outreach Program

Q:1		Q:2		Q:3		Q:4		Q:5		
Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
9	31	11	29	25	15	25	14	35	5	
							*one person did not answer Q:4			

- Q:1 – Are you aware that the City of Winchester has a Stormwater Complaint Hotline?
- Q:2 – Did you know the City of Winchester's Stormwater Plan is located online (www.winchesterva.gov/engineering/stormwater)?
- Q:3 – Did you know the City of Winchester's stormwater drains are not connected to the wastewater treatment system?
- Q:4 – Did you know making a rain barrel saves up to 40% of an average household's water consumption?
- Q:5 – Are you aware that picking up pet's waste could help improve water quality?



For one month, the five question survey was online on the City's stormwater website to evaluate the City residents' knowledge in the stormwater program. Forty City residents participated in this survey, and only one participant did not answer question 4. This information is greatly important for the City because it shows what topics need to be advertised more. With the data shown in the bar graph, the City will be focusing on informing the residents of City of Winchester more about the Stormwater Complaint Hotline and where to access the City's Stormwater Plan (MS4) during the next permit cycle. The City will also continue to educate the public of the City's overall Stormwater Program.

**Attachment 3. Letter from DEQ Confirming City Yards
Facility Coverage Under the Virginia General Permit for
Discharge of Stormwater from Industrial Activities**



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

VALLEY REGIONAL OFFICE

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Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

Amy Thatcher Owens
Regional Director

July 1, 2014

Perry Eisenach
City of Winchester, Virginia
15 North Cameron Street
Winchester, VA 22601

RE: Coverage under the VPDES Industrial Stormwater General Permit
Winchester Public Works Department City Yards, Registration No. VAR050822

Dear Mr. Eisenach:

We have reviewed your Registration Statement and have determined that stormwater discharges from the above facility are hereby covered under the referenced VPDES general permit. Your coverage under this permit is effective as of July 1, 2014. The enclosed copy of the general permit contains the applicable stormwater pollution prevention plan (SWPPP), sector specific requirements, monitoring requirements, and other conditions of coverage.

The general permit requires that you update your SWPPP within 90 days of your date of coverage under the permit to incorporate the SWPPP changes that the Department made for this permit reissuance. For this reissuance, all permit discharge monitoring is semi-annual (i.e., once per six months). Monitoring for your facility begins with the July 1, 2014 monitoring period.

Discharge Monitoring Reports (DMRs) for your monitoring type(s) and outfalls are included with the permit. Each DMR specifies the applicable monitoring parameters required by the permit. A DMR should be completed for each permitted outfall for each monitoring period. DMRs must be submitted to this office by January 10th and July 10th each year. The first DMR is due January 10, 2015 for the monitoring period of July 1, 2014 to December 31, 2014.

You are responsible for obtaining additional copies of the DMRs. (See the **e-DMR** note at the end of this letter). Note that Representative Outfall sampling and reporting is allowed for all monitoring types **except** Effluent Limitation Monitoring. See the permit Part I.A.2.f for details, and Part I.A.5 for instructions on submitting DMRs with representative outfalls.

Note that permittees with at least one industrial activity stormwater discharge through a regulated municipal separate storm sewer system (MS4) have to submit signed copies of DMRs to the MS4 operator at the same time as the reports are submitted to the Department. A spreadsheet listing the regulated MS4s and their addresses is on DEQ's web site at: <http://www.deq.virginia.gov/Programs/Water/StormwaterManagement/VSMPPPermits/MS4Permits.aspx> (at the bottom of the page).

The following discharge monitoring applies to your facility:

- Benchmark monitoring – Specific stormwater monitoring for your facility based on the industrial sectors that apply to your facility (see the enclosed DMR). Refer to the permit Part I.A.1.b for the benchmark monitoring requirements, and the sector specific sections for the benchmark monitoring applicable to your facility.
- Impaired Waters Monitoring – Waters With An Approved TMDL (other than PCBs or Chesapeake Bay) – Your facility has been identified as discharging the pollutant of concern to an impaired waterbody that has an approved Total Maximum Daily Load (TMDL) Wasteload Allocation. As such, you are required to modify your SWPPP to implement best management practices (BMPs) designed to meet the allocation in the TMDL (see the attached relevant pages from the TMDL and the attached TMDL Fact Sheet). The TMDL contains a specific wasteload allocation for your facility; therefore, you are required to monitor your stormwater discharges for the TMDL pollutant of concern (see the enclosed DMR). Refer to the permit Part I.A.1.c(3) for TMDL monitoring requirements, and permit Part I.B.7.a regarding TMDL requirements.
- Impaired Waters Monitoring – Chesapeake Bay TMDL – Special Monitoring For Facilities In The Chesapeake Bay Watershed – In response to EPA's Chesapeake Bay Total Maximum Daily Load (TMDL) (December 2010), all owners of facilities in the Chesapeake Bay watershed are required to monitor their stormwater discharges for total suspended solids (TSS), total nitrogen (TN), and total phosphorus (TP) to characterize the contributions from their facility's specific industrial sector for these parameters (see the enclosed DMR). After you are granted coverage under the permit, stormwater samples are to be collected during each of the first four monitoring periods (i.e., the first two years of permit coverage). Refer to the permit Part I.B.7.b for the specific Chesapeake Bay TMDL requirements. Also note that permit Part I.B.7.b(3) requires you to analyze the collected data and possibly develop a Chesapeake Bay TMDL Action Plan based on the results of the sampling. Please refer to the enclosed Errata Sheet for the correct equation to use for the Chesapeake Bay TMDL loading calculations.

Virginia's Phase I Chesapeake Bay Total Maximum Daily Load (TMDL) Watershed Implementation Plan (November 29, 2010), states that the wasteloads from any expansion of an existing permitted facility discharging stormwater in the Chesapeake Bay watershed cannot exceed the nutrient and sediment loadings that were discharged from the expanded portion of the land prior to the land being developed for the expanded industrial activity. For any industrial activity area expansions (i.e., construction activities, including clearing, grading and excavation activities) that commence on or after July 1, 2014 (the effective date of this permit), you must document in the SWPPP the information and calculations used to determine the nutrient and sediment loadings discharged from the expanded land area prior to the land being developed, and the measures and controls that were employed to meet the no net increase of stormwater nutrient and sediment load as a result of the expansion of the industrial activity. Any land disturbance that is not required to be permitted under the VPDES construction stormwater general permit regulation (9VAC25-880) is exempt from this requirement.

DEQ launched an electronic Discharge Monitoring Report (e-DMR) program that now allows you to submit your stormwater DMR data electronically. We hope that every permittee will sign up for e-DMR access when they receive their general permit coverage, but it is not mandatory at this time. Note that EPA is moving towards making electronic reporting a mandatory requirement nationwide, so this may become a requirement in the future. There are many benefits to both DEQ and the permittee when e-DMR is utilized for monitoring data submissions:

- 1) Fewer revisions of the data since the e-DMR program automatically flags omissions before the data is submitted;
- 2) Cost savings on postage, copying, and paper;
- 3) No concerns about using the most current DMR form – e-DMR refreshes the required parameters automatically when changes are needed;
- 4) Submittals can be made on a timelier basis;
- 5) e-DMR participants instantly receive a system-generated email notification/ documentation with the exact time and date of when the e-DMR was submitted; and
- 6) Electronic signatures from multiple people are allowed, and e-DMR can be accessed from multiple computer locations.

We ask that you apply for e-DMR participation now, although you may apply at any time. Our regional DMR administrator, Linda Ferguson-Davie (540-574-7806, linda.ferguson-davie@deq.virginia.gov) can assist you. The following website provides details, training videos and Frequently Asked Questions:

<http://www.deq.virginia.gov/Programs/Water/PermittingCompliance/ElectronicDMRsubmissions.aspx>

This general permit will expire on June 30, 2019. The permit requires that you submit a new registration statement at least 60 days prior to that date if you wish continued coverage under the general permit, unless permission for a later date has been granted by the Board. Permission cannot be granted to submit the registration statement after the expiration date of the permit.

If you have any questions, please contact Olive Critzer at olive.critzer@deq.virginia.gov or (540) 574-7877.

Sincerely,



Brandon D. Kiracofe
Regional Water Permits & Compliance Manager

Attachment 4. *SWPPP for Parks Maintenance Building in Jim Barnett Park*

Stormwater Pollution Prevention Plan

for:

Winchester Parks and Recreation Maintenance Building
1001 East Cork Street
Winchester, VA 22601
540-662-4946

SWPPP Contact(s):

City of Winchester Parks and Recreation Department
Lynn Miller, Director
Lynn.Miller@winchesterva.gov

SWPPP Preparation Date:

06/30/2017

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SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION.

1.1 Facility Information.

Facility Information

Name of Facility: Winchester Parks and Recreation Maintenance Building

Street: 1001 East Cork Street

City: Winchester State: VA ZIP Code: 22601

County or Similar Subdivision: City of Winchester

Latitude/Longitude

Latitude:

39.1691° N (decimal degrees)

Longitude:

-78.1540° W (decimal degrees)

Method for determining latitude/longitude (check one):

USGS topographic map (specify scale: _____) GPS

Other (please specify): City of Winchester Pictometry

Horizontal Reference Datum (check one):

NAD 27 NAD 83 WGS 84

Estimated area of industrial activity at site exposed to stormwater: 0.72 (acres)

Discharge Information

Does this facility discharge stormwater into a municipal separate storm sewer system

(MS4)? Yes No

If yes, name of MS4 operator: City of Winchester

Name(s) of surface water(s) that receive stormwater from your facility: Abrams Creek

Does this facility discharge industrial stormwater directly into any segment of an "impaired water" (see definition in 2015 MSGP, Appendix A)? Yes No

1.2 Contact Information/Responsible Parties.

Facility Operator(s):

Name: City of Winchester Parks and Recreation Department
 Address: 1001 East Cork Street
 City, State, Zip Code: Winchester, VA 22601
 Telephone Number: (540) 662-4946
 Fax number: (540) 678-8791

Facility Owner(s):

Name: City of Winchester Virginia
 Address: 15 North Cameron Street
 City, State, Zip Code: Winchester, VA 22601
 Telephone Number: (540) 667-1815

SWPPP Contact(s):

SWPPP Contact Name (Primary): Tommy Lambert, Parks Superintendent
 Telephone number: (540) 662-4946
 Email address: Thomas.Lambert@winchesterva.gov
 SWPPP Contact Name (Backup): Lynn Miller, Parks Director
 Telephone number: (540) 662-4946
 Email address: Lynn.Miller@winchesterva.gov

1.3 Stormwater Pollution Prevention Team.

Staff Names	Individual Responsibilities
Lynn Miller	Parks Department Director
Matt Little	Parks Assistant Director
Tommy Lambert	Parks Superintendent
Robert Brown	Stormwater Engineer
Kelly Henshaw	City Engineer
[Repeat as necessary]	[Repeat as necessary]

1.4 Site Description.

The parks maintenance building area is located in the southwestern corner of Jim Barnett Park and borders Interstate 81 to the east. It is used for the storage and maintenance of a variety of grounds keeping equipment and vehicles. It also serves as a storage area for various chemicals, paints, fuels, and other potential pollutants used for park maintenance. In general, materials are stored indoors and machinery is stored outdoors with no cover. Maintenance also generally occurs indoors. There is no stormwater infrastructure in this area of the park, so all drainage is via overland sheet flow and natural swales.

This SWPPP applies only to the maintenance building and its surrounding parking areas.

1.5 General Location Map.

The general location map for this facility can be found in Attachment A.

1.6 Site Map.

The site map for this facility can be found in Attachment B.

SECTION 2: POTENTIAL POLLUTANT SOURCES.

Section 2 will describe all areas at your facility where industrial materials or activities are exposed to stormwater or from which allowable non-stormwater discharges originate. Industrial materials or activities include, but are not limited to: material handling equipment or activities; industrial machinery; raw materials; industrial production and processes; and intermediate products, by-products, final products, and waste products. Material handling activities include, but are not limited to: the storage, loading and unloading, transportation, disposal or conveyance of any raw material, intermediate product, final product or waste product. For structures located in areas of industrial activity, you must be aware that the structures themselves are potential sources of pollutants. This could occur, for example, when metals such as aluminum or copper are leached from the structures as a result of acid rain.

For each area identified, the SWPPP must include industrial activities, potential pollutants, spills and leaks, unauthorized non-stormwater discharges, salt storage, stormwater sampling data and descriptions of control measures.

2.1 Potential Pollutants Associated with Industrial Activity.

Industrial Activity	Associated Pollutants
Vehicle storage	Motor oil, anti-freeze, hydraulic fluid, hydrocarbons
Material storage	Fertilizer, salt, de-icer, herbicide, pesticide, paint
Fueling Facility	Hydrocarbons

2.2 Spills and Leaks.

Areas of Site Where Potential Spills/Leaks Could Occur

Location	Discharge Points
Vehicle / Material Storage Area	Outfall #1
Maintenance Garage	"
Oil / Chemical Barrels	"
Parts Cleaning Station	"

Description of Past Spills/Leaks

Date	Description	Discharge Points
Insert date of spill/leak	Insert description of spill/leak (where it occurred, what happened, types of pollutants, extent of damage)	Specify which discharge point(s) were affected
[Repeat as necessary]	[Repeat as necessary]	[Repeat as necessary]
[Repeat as necessary]	[Repeat as necessary]	[Repeat as necessary]
[Repeat as necessary]	[Repeat as necessary]	[Repeat as necessary]

2.3 Unauthorized Non-stormwater Discharges Documentation.

Description of this facility's unauthorized non-stormwater discharge evaluation:

- Date of evaluation: Insert the date(s) of your evaluation.
- Description of the evaluation criteria used: Describe the method used to conduct the evaluation and determine which non-stormwater discharges are authorized or unauthorized.
- List of the drainage points that were directly observed during the evaluation: Insert drainage points observed.
- Action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), or documentation that a separate NPDES permit was obtained. For example, a floor drain was sealed, a sink drain was re-routed to the sanitary sewer or an NPDES permit application was submitted for an unauthorized cooling water discharge: Describe actions taken to eliminate unauthorized non-stormwater discharges and the corresponding drainage point affected.

2.4 Salt Storage.

Salt and other de-icing chemicals are stored in bags under cover

2.5 Sampling Data Summary.

No stormwater sampling has been done on the site.

SECTION 3: STORMWATER CONTROL MEASURES.

3.1 Non-numeric Technology-based Effluent Limits (BPT/BAT/BCT)

You must comply with the following non-numeric effluent limits (except where otherwise specified in Part 8) as well as any sector-specific non-numeric effluent limits in Part 8.

3.1.1 Minimize Exposure.

Vehicle Maintenance – All vehicle maintenance takes place inside the garage buildings. Used motor oil is stored in a 275-gallon tank and used antifreeze is stored in a similar 200-gallon tank. Both of these tanks are above ground tanks surrounded by secondary containment areas. Both tanks are covered to minimize the amount of stormwater that might enter the containment areas.

3.1.2 Good Housekeeping.

Trash generated on-site is collected and in a lidded dumpster and collected weekly.

Waste oil and antifreeze tanks are visually inspected for leaks and spills regularly.

Used batteries are stored inside and collected as needed for recycling by the battery vendor.

3.1.3 Maintenance.

Vehicles stored on the Parks Maintenance site are to be given regular maintenance and inspected regularly for any fluid leaks.

Floor drains in the garages are to be kept clear and functioning at all times to prevent fluids from leaving the buildings.

Waste oil and antifreeze storage tanks are to be emptied on a monthly basis, or as needed, to prevent overfilling. Containment areas area around the tanks is to be monitored and cleaned out if fluids are present.

3.1.4 Spill Prevention and Response.

- Plainly label containers (e.g., "Used Oil," "Spent Solvents," "Fertilizers and Pesticides") that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;*

- Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the discharge of pollutants from these areas;
- Develop training and train all staff on procedures to quickly stop, contain and clean up leaks, spills, and other releases. As appropriate, execute such procedures as soon as possible;
- Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made; and
- Notify appropriate facility personnel when a leak, spill or other release occurs.

Prevention

The used oil and antifreeze tanks are labeled with their contents and each is surrounded by a secondary containment area.

Response

Dry cleanup methods are used; absorbents such as "Stay-Dri" are applied to spills. After the spill has been absorbed, the absorbent is swept up and placed in a storage drum to be recycled.

In the event that a spill occurs and sewage, industrial waste, other wastes or any noxious or deleterious substance discharges into or upon state waters in violation of Part II F; or a discharge may reasonably be expected to enter state waters in violation of Part II F, notify the Virginia DEQ of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the department within five days of discovery of the discharge. The written report shall contain:

1. A description of the nature and location of the discharge;
2. The cause of the discharge;
3. The date on which the discharge occurred;
4. The length of time that the discharge continued;
5. The volume of the discharge;
6. If the discharge is continuing, how long it is expected to continue;
7. If the discharge is continuing, what the expected total volume of the discharge will be; and
8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the department under the immediate reporting requirements of other regulations are exempted from this requirement.

Contacts:

DEQ Valley Regional Office
Pollution Response Coordinator – Jennifer Welcher
(540) 574-7800

**Virginia Department of Emergency Management
1-800-468-8892**

3.1.5 Erosion and Sediment Controls.

All areas of the site are stabilized, and no land disturbance activities are anticipated. If any construction occurs on site, erosion and sediment controls will be reviewed as part of the site plan approval process and implemented in accordance with the Virginia Erosion and Sediment Control Handbook.

3.1.6 Management of Runoff.

Currently, there are no controls on site to reduce the amount of stormwater runoff beyond the maintenance of vegetated areas.

3.1.7 Salt Storage Piles or Piles Containing Salt.

Salt is currently stored in the main building in individual bags.

3.1.8 Dust Generation and Vehicle Tracking of Industrial Materials.

The gravel areas of the site are currently stable with low levels of dust. If dust becomes a problem, the gravel areas shall be sprayed with water or other approved non-toxic dust control material.

SECTION 4: SCHEDULES AND PROCEDURES.

4.1 Good Housekeeping.

- Roll off dumpster shall be collected when full
- All liquid materials stored in drums shall be inspected for leaks whenever used or at least weekly
- Dry material stored in containers or bags shall be inspected for leaks when they are used or moved
- Flammable material shall be stored and inspected as required by OSHA, the Winchester Fire Marshall, or other applicable agencies

4.2 Maintenance.

- Any spill containment measures shall be inspected daily and emptied as needed
- Vehicles shall be inspected before each use for fluid leaks and repaired as needed

4.3 Spill Prevention and Response Procedures.

Listed under 3.1.4 above

4.4 Erosion and Sediment Control.

Listed under 3.1.5 above

4.5 Employee Training.

Employee training is covered under the City of Winchester's MS4 Program Plan

4.6 Inspections and Assessments.

4.6.1 Routine Facility Inspections.

Routine facility inspections shall be conducted at least quarterly. At least one routine facility inspection per year should occur while runoff is discharging from the site.

For routine facility inspections to be performed at your site, your SWPPP must include a description of the following:

- 1. Person(s) or positions of person(s) responsible for inspection.** Park Superintendent, Stormwater Engineer, City Engineer
- 2. Schedules for conducting inspections.** Routine facility inspections shall be conducted at least quarterly. At least one routine facility inspection per year should occur while runoff is discharging from the site.
- 3. List areas where industrial materials or activities are exposed to stormwater.** Outdoor vehicle and equipment storage
- 4. List areas identified in the SWPPP (section 1 of the SWPPP Template) and any others that are potential pollutant sources (see Part 5.2.3).** All outdoor storage areas; fueling area; areas around buildings where indoor spills may escape the building perimeter
- 5. Areas where spills and leaks have occurred in the past 3 years.** No spills have been documented in the past three years

SECTION 5: SWPPP 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 gathered and evaluated 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.

Name: _____ Title: _____

Signature: _____ Date: _____

SECTION 6: SWPPP MODIFICATIONS.

Instructions (see 2015 MSGP Part 5.3):

Your SWPPP is a "living" document and is required to be modified and updated, as necessary, in response to corrective actions. See Part 4 of the 2015 MSGP.

- If you need to modify the SWPPP in response to a corrective action, then the certification statement in section 7 of this SWPPP template must be re-signed.
- For any other SWPPP modification, you should keep a log with a description of the modification, the name of the person making it, and the date and signature of that person.

SWPPP ATTACHMENTS

Attach the following documentation to the SWPPP:

Attachment A – General Location Map

Include a copy of your general location map in Attachment A.

Attachment B – Site Map

Include a copy of your site map(s) in Attachment B.



JIM BARNETT PARK
TOTAL 169.19 AC.

PARKS
MAINTENANCE
BUILDING

**CITY OF WINCHESTER
VIRGINIA**

PUBLIC SERVICES DEPARTMENT
15 N. CAMERON STREET
WINCHESTER, VA 22601
PHONE: 540-667-1815
FAX: 540-662-3351

**PARKS MAINTENANCE BUILDING
LOCATION MAP**

SCALE: 1"=500'
DATE: 6/30/17

SHEET 1 OF 1



MAINTENANCE
BUILDING

FUEL PUMP

OUTFALL #1 - SHEET FLOW TOWARD NATURAL SWALES