

City of Danville, VA MS4 Program Plan 2018-2023



2021 Revision

Department of Public Works
Engineering Division
427 Patton Street
Danville, VA 24541

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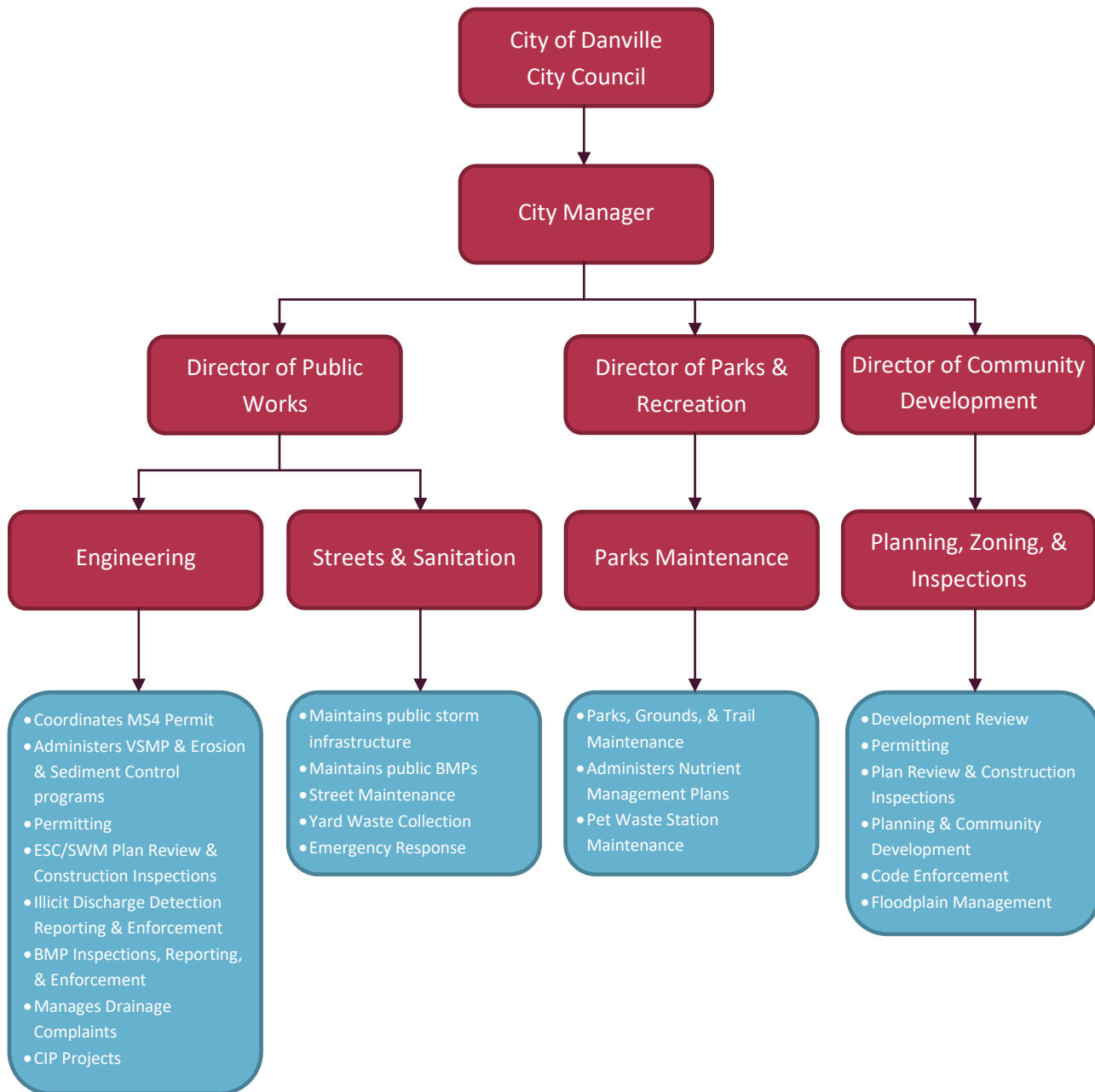
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City of Danville MS4 Organizational Chart



MCM #1: Public Education and Outreach

Objective:

The City is committed to educating citizens on stormwater issues and best management practice through a variety of measures. Implementation of a Public Education & Outreach Plan (PEOP) is instrumental in addressing priority water quality concerns through public education and participation. The City supports public education as the basis to increase stormwater awareness in promoting thought and discussion, leading to behavior change and culture as it pertains to the watershed. The City provides resource materials, educational library resources, informative campaigns, and environmental literacy.

Existing Resources:

- Partnerships with non-profit organizations such as the Dan River Basin Association
- Collaboration with Public Works, Utilities, Community Development, and Parks and Recreation.

Responsible Party:

Mike Huggins – Public Works Chief Engineer 434.799.5019

Permit Section:

1. *Public education and outreach.*

- a. *The permittee shall implement a public education and outreach program designed to:*
 - (1) *Increase the public's knowledge of how to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns;*
 - (2) *Increase the public's knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications; and*
 - (3) *Implement a diverse program with strategies that are targeted toward individuals or groups most likely to have significant stormwater impacts.*
- b. *The permittee shall identify no less than three high-priority stormwater issues to meet the goal of educating the public in accordance with Part I E 1 a. High-priority issues may include the following examples: Chesapeake Bay nutrients, pet wastes, local receiving water impairments, TMDLs, high-quality receiving waters, and illicit discharges from commercial sites.*
- c. *The high-priority public education and outreach program, as a whole, shall:*
 - (1) *Clearly identify the high-priority stormwater issues;*
 - (2) *Explain the importance of the high-priority stormwater issues;*
 - (3) *Include measures or actions the public can take to minimize the impact of the high-priority stormwater issues; and*
 - (4) *Provide a contact and telephone number, website, or location where the public can find out more information.*
- d. *The permittee shall use two or more of the strategies listed in Table 1 below per year to communicate to the public the high-priority stormwater issues identified in accordance with Part I E 1 b including how to reduce stormwater pollution.*

Table 1 Strategies for Public Education and Outreach	
Strategies	Examples (provided as examples and are not mean to be all inclusive or limiting)
<i>Traditional written materials</i>	<i>Informational brochures, newsletters, fact sheets, utility bill inserts, or recreational guides for targeted groups of citizens</i>
<i>Alternative materials</i>	<i>Bumper stickers, refrigerator magnets, t-shirts, or drink koozies</i>
<i>Signage</i>	<i>Temporary or permanent signage in public places or facilities, vehicle signage, bill boards, or storm drain stenciling</i>
<i>Media materials</i>	<i>Information disseminated through electronic media, radio, televisions, movie theater, or newspaper</i>
<i>Speaking engagements</i>	<i>Presentations to school, church, industry, trade, special interest, or community groups</i>
<i>Curriculum materials</i>	<i>Materials developed for school-aged children, students at local colleges or universities, or extension classes offered to local citizens</i>
<i>Training materials</i>	<i>Materials developed to disseminate during workshops offered to local citizens, trade organization, or industrial officials</i>

- e. *The permittee may coordinate its public education and outreach efforts with other MS4 permittees; however, each permittee shall be individually responsible for meeting all of its state permit requirements.*
- f. *The MS4 program plan shall include:*
 - (1) *A list of the high-priority stormwater issues the permittee will communicate to the public as part of the public education and outreach program;*
 - (2) *The rationale for selection of each high-priority stormwater issue and an explanation of how each education or outreach strategy is intended to have a positive impact on stormwater discharges;*
 - (3) *Identification of the public audience to receive each high-priority stormwater message;*
 - (4) *The strategies from Table 1 of Part I E 1 d to be used to communicate each high-priority stormwater message; and*

(5) The anticipated time periods the messages will be communicated or made available to the public.

g. The annual report shall include the following information:

(1) A list of the high-priority stormwater issues the permittee addressed in the public education and outreach program; and

(2) A list of the strategies used to communicate each high-priority stormwater issue.

Danville MS4 Public Education & Outreach Plan

In accordance with General Permit No. VAR040018 for discharges from MS4s, The City of Danville is required to prepare a public education and outreach program aimed at increasing the awareness of a target audience to reduce water pollution and implement strategies likely to have a significant stormwater impact.

The City of Danville has been tasked with identifying three high priority water quality issues that contribute to the discharge of stormwater and estimating the size of a target audience for these issues. The City of Danville has identified the following three high priority water quality issues and target audience:

High Priority Issue	Target Audience
<p>Sediment - Land disturbing activities create the most potential for sediment loading of local streams. The City of Danville should have the greatest control over this priority issue through administration of erosion & sediment control practices and stormwater management. The target audience is contractors and land owners doing projects that create land disturbance. The population size of the target audience is estimated to be 500.</p>	<p>500</p>
<p>Nutrients - Sources of nitrogen and phosphorus loading to the Dan River are present on both public and private properties. Agricultural, industrial, commercial, and residential property are potential private sources of nutrients that the City may have little control over; however, may be ultimately responsible for oversight. The target audience is homeowners and businesses who maintain turf area. There are approximately 16,000 residential units in the City of Danville. It is assumed that half of those residential units do not require turf maintenance, are vacant, or inhabited by a population unable to participate in nutrient management; therefore, the target population is estimated to be 8,000.</p>	<p>8,000</p>
<p>Bacteria - Increases in the biological loading to the Dan River are primarily present in the form of animal defecation and sanitary sewer overflows. Increased levels of bacteria in water reduce the amount of available oxygen and can be detrimental to aquatic ecosystems. The target audience is dog owners and sanitation workers. The population size of the target audience is estimated to be 10% of the general population.</p>	<p>4,200 (42,000 x 10%)</p>

Note: The BMPs presented in this section are items and/or events identified to increase public awareness of the high priority issues.

More information about public education and outreach efforts can be found on the City’s website here:

<http://www.danville-va.gov/606/Stormwater-Pollution>

Contact: Mike Huggins – Public Works Chief Engineer, (434) 799-5019

BMP 1.1: Stormwater Pollution Prevention Information			
Existing Resources: Materials Developed to address High Priority Issues			
Type	Created/Modified	Name	High Priority Issue Addressed
Informational Brochure	PY 21	Homeowner’s Pollution Prevention Brochure	Sediment, Nutrients, Bacteria
	PY 21	Restaurant Guide on Stormwater Pollution	Nutrients, Bacteria
Fact Sheets	PY 10	Illicit Discharge Flyer	Nutrients, Bacteria
	PY 09	Household Pollution Prevention Tips	Sediment, Nutrients, Bacteria
	PY 10	Household Chemical Pollution Prevention Tips	Nutrients, Bacteria
	PY 10	Household Trash Pollution Prevention Tips	Nutrients, Bacteria
	PY 10	Septic System Pollution Prevention Tips	Nutrients, Bacteria
	PY 10	Pet Waste Guide	Bacteria
	PY 10	Lawn Care Tips	Sediment, Nutrients, Bacteria
	PY 10	Car Washing Fundraisers Guide	Sediment, Nutrients
	PY 09	Commercial Car Wash Guide	Sediment, Nutrients
Public Signage		Storm Drain Stenciling/Markers	Sediment, Nutrients, Bacteria
	PY 16	Protecting Our Waterways Signs	Sediment, Nutrients, Bacteria
		Dog Waste Stations	Bacteria
Digital Media	PY 21	City of Danville Stormwater Pollution Website	Sediment, Nutrients, Bacteria
	PY 20	Water Conservation Tips (Danville Utilities Website)	Sediment, Nutrients, Bacteria
Posters	PY 14	Danville Impaired Waters Map	Sediment, Nutrients, Bacteria
Curriculum Materials	PY 21	The Dan River Twins Book	Sediment, Nutrients, Bacteria
Promotional Videos	PY 10	Illicit Discharge Video (English)	Sediment, Nutrients, Bacteria
		Illicit Discharge Video (Spanish)	

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: To provide citizens access to stormwater pollution prevention information

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Increased citizen knowledge of stormwater pollution prevention practices

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

An article will be published at least once annually in an internal publication concerning residential stormwater pollution and how it can be reduced or prevented. The article will focus on one high priority issue to be addressed.

Printed material will be made available at various locations around the city concerning residential stormwater pollution and how it can be reduced or prevented. The material will address reduction of nutrient and bacteria loads to the Dan River and its tributaries. The number of printed materials will be tracked with a goal that material is taken and used each year.

The city's website & social media will be maintained to include tips for residential & commercial stormwater pollution prevention. The number of website views will be tracked each year.

PW Engineering will work with Housing & Development to periodically distribute stormwater pollution prevention information to the president or contact person for the nine local neighborhood organizations. The National Night Out annual event (first Tuesday in August each year) will be used to distribute & track printed material taken.

BMP 1.2: Pet Waste Management

Existing Resources: [Pet Waste Ordinance](#) (Chapter 5, Article V, Section 43, Ord. Date: 10/22/2009)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019
Stephanie Lovely – Parks & Rec. Facilities & Services Planner 434.799.5215

BMP Objective: Increased citizen knowledge about the impacts of pet waste on stormwater quality

Priority Issues Addressed: Bacteria

Expected Results: Greater public knowledge of the impacts of pet waste on stormwater quality

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

Printed material will be placed at various locations around the city concerning the importance of pet waste management. The number of printed materials will be tracked with a goal that material is taken and used each year.

Information will be posted on the city's website & social media concerning the importance of pet waste management. The number of website views will be tracked each year.

A pet waste ordinance requiring pet waste pick-up on public property will be maintained.

BMP 1.3: Lawn & Yard Waste Management

Existing Resources: [Residential Yard Waste Ordinance](#) (Chapter 17, Article III, Section 37, Ord. Date: 2/20/2007), [Commercial Yard Waste Ordinance](#) (Chapter 17, Article IV, Ord. Date: 2/20/2007), Paper Yard Waste Bags, [Stormwater Brochures](#), [Lawn Care Fact Sheets](#)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019
Denise Wyatt – Senior Administrative Assistant 434.799.5245

BMP Objective: Education of specific audiences about stormwater pollution and proper lawn care

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Better understanding by target audience of stormwater pollution prevention

Implementation Schedule: Implementation being evaluated

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

The city currently provides paper bags to residents, free of charge, for pick-up and disposal of yard clippings. An informational brochure will be provided to each resident at the time of request. The number of bags/brochures will be tracked annually.

Information concerning stormwater pollution from fertilizers and yard waste will be distributed to all local listed lawn care service providers in the city.

Information will be posted on the city's website and River City TV social media concerning proper lawn care practices.

BMP 1.4: Environmental Education

Existing Resources: Presentations to local schools, Danville Science Center environmentally-themed exhibits, Danville Public Library environmentally-themed events

Responsibility for Implementation: Parks & Recreation, Danville Science Center

BMP Objective: Education of school-aged students about stormwater pollution

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Better understanding of stormwater pollution by school-aged students

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

Information relating to stormwater pollution and its prevention will be presented to participating school students. The events & number of participants will be documented.

Work with Danville Science Center to incorporate stormwater pollution prevention education into main display of planned facility expansion. The Enviroscape model is located at the Danville Science Center and is routinely used for stormwater pollution education.

Encourage & assist the Danville Public Library with various environmentally-themed education events

MCM #2: Public Involvement and Participation

Objective:

The City is committed to providing opportunities to citizens to engage in public participation of watershed events. Increasing the support and number of people involved in watershed preservation is critical to building social capacity and foster a culture aimed at environmental stewardship. The City promotes events focused on environmental participation and cleanup, collaborates with partner organizations, sponsors events, and serves on environmental advisory committees.

Existing Resources:

- Partnerships with non-profit organizations such as the Dan River Basin Association
- Collaboration with Public Works, Utilities, Code Enforcement, and Parks and Recreation.
- Participation in Regional Planning efforts to promote cleanup and programs aimed at improving environmental stewardship.

Responsible Party:

Mike Huggins – Public Works Chief Engineer 434.799.5019

Permit Section:

1. *Public Involvement and Participation*

a. The permittee shall develop and implement procedures for the following:

- (1) The public to report potential illicit discharges, improper disposal, or spills to the MS4, complaints regarding land disturbing activities, or other potential stormwater pollution concerns;*
- (2) The public to provide input on the permittee's MS4 program plan;*
- (3) Receiving public input or complaints;*
- (4) Responding to public input received on the MS4 program plan or complaints; and*
- (5) Maintaining documentation of public input received on the MS4 program and associated MS4 program plan and the permittee's response.*

b. No later than three months after this permit's effective date, the permittee shall develop and maintain a webpage dedicated to the MS4 program and stormwater pollution prevention.

The following information shall be posted on this webpage:

- (1) The effective MS4 permit and coverage letter;*
- (2) The most current MS4 program plan or location where the MS4 program plan can be obtained;*
- (3) The annual report for each year of the term covered by this permit no later than 30 days after submittal to the department;*
- (4) A mechanism for the public to report potential illicit discharges, improper disposal, or spills to the MS4, complaints regarding land disturbing activities, or other potential stormwater pollution concerns in accordance with Part I E 2 a (1); and*
- (5) Methods for how the public can provide input on the permittee's MS4 program plan in accordance with Part I E 2 a (2).*

- c. *The permittee shall implement no less than four activities per year from two or more of the categories listed in Table 2 below to provide an opportunity for public involvement to improve water quality and support local restoration and clean-up projects.*

Table 2	
Public Involvement Opportunities	
Public involvement opportunities	Examples (provided as example and are not meant to be all inclusive or limiting)
<i>Monitoring</i>	<i>Establish or support citizen monitoring group</i>
<i>Restoration</i>	<i>Stream or watershed clean-up day, adopt-a-water way program</i>
<i>Educational events</i>	<i>Booth at community fair, demonstration of stormwater control projects, presentation of stormwater materials to schools to meet applicable education Standards of Learning or curriculum requirements, watershed walks, participation on environmental advisory committees</i>
<i>Disposal or collection events</i>	<i>Household hazardous chemicals collection, vehicle fluids collection</i>
<i>Pollution prevention</i>	<i>Adopt-a-storm drain program, implement a storm drain marking program, promote use of residential stormwater BMPs, implement pet waste stations in public areas, adopt-a-street program.</i>

- d. *The permittee may coordinate the public involvement opportunities listed in Table 2 with other MS4 permittees; however, each permittee shall be individually responsible for meeting all of the permit requirements.*
- e. *The MS4 program plan shall include:*
 - (1) *The webpage address where mechanisms for the public to report (i) potential illicit discharges, improper disposal, or spills to the MS4, (ii) complaints regarding land disturbing activities, or (iii) other potential stormwater pollution concerns;*
 - (2) *The webpage address that contains the methods for how the public can provide input on the permittee's MS4 program; and*
 - (3) *A description of the public involvement activities to be implemented by the permittee, the anticipated time period the activities will occur, and a metric for each activity to determine if the activity is beneficial to water quality. An example of metrics may include the weight of trash collected from a stream cleanup, the number of participants in a hazardous waste collection event, etc.*
- f. *The annual report shall include the following information:*
 - (1) *A summary of any public input on the MS4 program received (including stormwater complaints) and how the permittee responded;*
 - (2) *A webpage address to the permittee's MS4 program and stormwater website;*
 - (3) *A description of the public involvement activities implemented by the permittee;*
 - (4) *A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality; and*

(5) The name of other MS4 permittees with whom the permittee collaborated in the public involvement opportunities.

BMP 2.1: MS4 Program Plan & Annual Report Public Availability

Existing Resources: [City of Danville MS4 Webpage](#) (regularly updated Program Plan & Annual Report links)

Responsibility for Implementation: Public Works Engineering

BMP Objective: To provide public access to the MS4 Program Plan & Annual Report

Expected Results: Increased public knowledge and interest concerning the MS4 Program Plan & Annual Report

Implementation Schedule: Ongoing

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City will promote the availability of the MS4 Program Plan & Annual Report. Any ordinance modifications associated with the Plan will be advertised for public review and comment.
- Copies of the MS4 Program Plan and/or Annual Report will be made available to any interested parties upon request. The contents of these documents will also be made available on the City's website.
- The City will document and consider all comments received from the public concerning the Program Plan or Annual Report.

Procedures for Implementation:

- Update the city website within 30 days of a revision being made the MS4 Program Plan or Annual Report.
- Keep an updated hard copy of the MS4 Program Plan & Annual Report in the Engineering Department at City Hall and at Public Works.
- Respond to any request for a digital copy of the MS4 Program Plan or Annual Report within 5 days.
- Schedule public comment meetings at reasonable meeting times.

BMP 2.3: Waterway & Greenway Cleanups

Existing Resources: Parks and Recreation currently sponsors two river cleanup days annually, Local group volunteer cleanup days

Responsibility for Implementation: Parks & Recreation, Public Works

BMP Objective: To promote public involvement in removal of trash from local waterways

Expected Results: More public interest in cleaning up local waterways, more public awareness about waterway pollution

Implementation Schedule: Ongoing

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Local groups will be encouraged and assisted by the city to have waterway cleanup days each year.
- Stream clean ups will be promoted using printed material, the city's website, and/or the River City TV social media.
- The date and location of any cleanup and number of participants and the amount of trash collected during each cleanup will be documented.
- Parks and Recreation will sponsor two waterway cleanup days each year.
- The City will collaborate with an outside organization to promote a river cleanup event.

Procedures for Implementation:

- Partner with groups outside of the City to promote and perform waterway cleanups.
- Record number of participants and bags of trash collected during cleanup events.

BMP 2.4: Adopt-A-Spot Program

Existing Resources: [Adopt-A-Spot Webpage](#)

Responsibility for Implementation: Denise Wyatt, Public Works Administration, 434.799.5245

BMP Objective: To promote public involvement in removal of trash from streets and other “spots” throughout the City.

Expected Results: Increased public interest and pride in cleaning up streets/spots and an increased awareness of litter/pollution throughout the City.

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Program participants commit to collecting litter along a selected street or area within the City four times per year. The number of participants, dates, locations, and numbers of trash bags collected will be tracked and reported in the Annual Report.

Procedures for Implementation:

- After signing up and selecting a street/spot, participants pick up ready-made clean up kits provided by Public Works to clean their area. Kits and documented results are returned to Public Works after. Program is promoted by website, “Adopt-A-Spot” signage, and at outreach events. A list of suggested streets/spots is maintained to encourage cleanup at specific areas that are in the most need of adoption.

BMP 2.5: Storm Drain Stenciling Program

Existing Resources: Dan River Basin Association Partnership

Responsibility for Implementation: Public Works Engineering

BMP Objective: To draw attention to the direct link between storm drain inlets and the waterways they drain into; therefore, directly correlating the health of our streams and rivers to what enters storm drain inlets.

Expected Results: Reduced pollution entering storm drains

Implementation Schedule: Ongoing. Target once per reporting year.

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The number of storm drains stenciled will be tracked and documented.
- Identify areas of the City with high pedestrian traffic; stencil storm drain inlets along these areas.

Procedures for Implementation:

- Partner with organizations that provide volunteers to perform stenciling.
- Coordinate with Dan River Basin Association to provide stenciling kits.

BMP 2.6: Make Danville Shine Month

Existing Resources: [Make Danville Shine Webpage](#), [River City TV](#)

Responsibility for Implementation: Community Development, Public Works

BMP Objective: To encourage residents to focus on maintenance, upkeep and beautification of their property

Expected Results: Proper disposal of household and yard waste, eradication of blight, education of stormwater management

Implementation Schedule: Annually, during the month of May

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Public Works will maintain a booth at the Expo to distribute free yard waste bags and stormwater management information.
- Public Works will allow oversized piles of separated yard waste and household debris at residential curbsides for collection, waive costs of tire disposal, pickup heavy debris normally not allowed (i.e. bricks, cinder blocks, large rocks).
- Public Works will have roll-off trash containers and grapple “bucket” truck collections available by appointment.
- The City will encourage neighborhood groups, churches, civic organizations, and youth groups to participate through various incentives and an entertaining Expo.

Procedures for Implementation:

- Coordinate with local contractors and home improvement experts to maintain booths at the Expo.
- Coordinate with local artisans and vendors to provide entertainment and food at the Expo to incentivize participation.
- Promote the month-long event & Expo on River City TV, social media, and flyer distribution.

BMP 2.7: Drug Take Back Event Campaign

Existing Resources: [Drug Take Back Event Flyer](#)

Responsibility for Implementation: Police Dept.

BMP Objective: To provide a program for citizens to safely dispose of unused or unwanted medications.

Expected Results: Proper disposal of medications will help minimize contaminants in surface waters and the local sanitary sewer system (which cannot be completely removed by the Wastewater Treatment Plant before release into the Dan River).

Implementation Schedule: Ongoing, Annually

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Reduce the number of dangerous expired, unused, and unwanted prescription drugs in households. The number of bags of collected drugs for the event will be documented.

Procedures for Implementation:

- Danville Police Dept. partners with other local and state law enforcement agencies to collect prescription drugs at multiple locations throughout the city.
- Promote the event on River City TV, social media, and flyer distribution.

MCM #3: Illicit Discharge Detection and Elimination

Objective:

The City will develop and maintain a response and enforcement program for an ordinance prohibiting illicit storm drain system discharges. The City will develop and maintain an accurate MS4 map and information table.

Existing Resources:

- [Urban Stormwater Quality Management and Discharge Control Ordinance](#) (Chapter 9, Article V, Division 7, Ord. Date: 8/8/2005)
- [Illicit Discharge Detection & Elimination SOP](#) (rev. 06/2021)

Responsible Party:

Mike Huggins – Public Works Chief Engineer 434.799.5019

Permit Section:

1. *Illicit discharge detection and elimination.*

a. The permittee shall develop and maintain an accurate MS4 map and information table as follows:

(1) A map of the storm sewer system owned or operated by the permittee within the census urbanized area identified by the 2010 decennial census that includes, at a minimum:

(a) MS4 outfalls discharging to surface waters, except as follows:

(i) In cases where the outfall is located outside of the MS4 permittee's legal responsibility, the permittee may elect to map the known point of discharge location closest to the actual outfall; and

(ii) In cases where the MS4 outfall discharges to receiving water channelized underground, the permittee may elect to map the point downstream at which the receiving water emerges above ground as an outfall discharge location. If there are multiple outfalls discharging to an underground channelized receiving water, the map shall identify that an outfall discharge location represents more than one outfall. This is an option a permittee may choose to use and recognizes the difficulties in accessing outfalls to underground channelized stream conveyances for purposes of mapping, screening, or monitoring.

(b) A unique identifier for each mapped item required in Part I E 3;

(c) The name and location of receiving waters to which the MS4 outfall or point of discharge discharges;

(d) MS4 regulated service area; and

(e) stormwater management facilities owned or operated by the permittee.

(2) The permittee shall maintain an information table associated with the storm sewer system map that includes the following information for each outfall or point of

discharge for those cases in which the permittee elects to map the known point of discharge in accordance with Part I E 3 a (1) (a):

- (a) A unique identifier as specified on the storm sewer system map;*
- (b) The latitude and longitude of the outfall or point of discharge;*
- (c) The estimated regulated acreage draining to the outfall or point of discharge;*
- (d) The name of the receiving water;*
- (e) The 6th Order Hydrologic Unit Code of the receiving water;*
- (f) An indication as to whether the receiving water is listed as impaired in the Virginia 2016 305(b)/303(d) Water Quality Assessment Integrated Report;*
- (g) The predominant land use for each outfall discharging to an impaired water; and*
- (h) The name of any EPA approved TMDLs for which the permittee is assigned a wasteload allocation.*

- (3) No later than July 1, 2019, the permittee shall submit to DEQ a GIS-compatible shapefile of the permittee's MS4 map as described in Part I E 3 a. If the permittee does not have an MS4 map in a GIS format, the permittee shall provide the map as a PDF document.*
- (4) No later than October 1 of each year, the permittee shall update the storm sewer system map and outfall information table to include any new outfalls constructed or TMDLs approved or both during the immediate preceding reporting period.*
- (5) The permittee shall provide written notification to any downstream adjacent MS4 of any known physical interconnection established or discovered after the effective date of this permit.*

- b. The permittee shall prohibit, through ordinance, policy, standard operating procedures, or other legal mechanism, to the extent allowable under federal, state, or local law, regulations, or ordinances, unauthorized nonstormwater discharges into the storm sewer system. Nonstormwater discharges or flows identified in 9VAC25-890-20 D 3 shall only be addressed if they are identified by the permittee as a significant contributor of pollutants discharging to the MS4. Flows that have been identified by the department as de minimis discharges are not significant sources of pollutants to surface water.*
- c. The permittee shall maintain, implement, and enforce illicit discharge detection and elimination (IDDE) written procedures designed to detect, identify, and address unauthorized nonstormwater discharges, including illegal dumping, to the small MS4 to effectively eliminate the unauthorized discharge. Written procedures shall include:*
 - (1) A description of the legal authorities, policies, standard operating procedures or other legal mechanisms available to the permittee to eliminate identified sources of ongoing illicit discharges including procedures for using legal enforcement authorities.*
 - (2) Dry weather field screening protocols to detect, identify, and eliminate illicit discharges to the MS4. The protocol shall include:*

- (a) A prioritized schedule of field screening activities and rationale for prioritization determined by the permittee based on such criteria as age of the infrastructure, land use, historical illegal discharges, dumping or cross connections;*
 - (b) If the total number of MS4 outfalls is equal to or less than 50, a schedule to screen all outfalls annually;*
 - (c) If the total number of MS4 outfalls is greater than 50, a schedule to screen a minimum of 50 outfalls annually such that no more than 50% are screened in the previous 12-month period. The 50% criteria is not applicable if all outfalls have been screened in the previous three years; and*
 - (d) A mechanism to track the following information:*
 - (i) The unique outfall identifier;*
 - (ii) Time since the last precipitation event;*
 - (iii) The estimated quantity of the last precipitation event;*
 - (iv) Site descriptions (e.g., conveyance type and dominant watershed land uses);*
 - (v) Whether or not a discharge was observed; and*
 - (vi) If a discharge was observed, the estimated discharge rate (e.g., width and depth of discharge flow rate) and visual characteristics of the discharge (e.g., odor, color, clarity, floatables, deposits or stains, vegetation condition, structural condition, and biology).*
- (3) A timeframe upon which to conduct an investigation to identify and locate the source of any observed unauthorized nonstormwater discharge. Priority of investigations shall be given to discharges of sanitary sewage and those believed to be a risk to human health and public safety. Discharges authorized under a separate VPDES or state permit require no further action under this permit.*
- (4) Methodologies to determine the source of all illicit discharges. If the permittee is unable to identify the source of an illicit discharge within six months of beginning the investigation then the permittee shall document that the source remains unidentified. If the observed discharge is intermittent, the permittee shall document that attempts to observe the discharge flowing were unsuccessful.*
- (5) Methodologies for conducting a follow-up investigation for illicit discharges that are continuous or that permittees expect to occur more frequently than a one-time discharge to verify that the discharge has been eliminated except as provided for in Part I E 3 c (4);*
- (6) A mechanism to track all illicit discharge investigations to document the following:*
 - (a) The dates that the illicit discharge was initially observed, reported, or both;*
 - (b) The results of the investigation, including the source, if identified;*
 - (c) Any follow-up to the investigation;*
 - (d) Resolution of the investigation; and*
 - (e) The date that the investigation was closed.*

d. The MS4 program plan shall include:

- (1) The MS4 map and information table required by Part I E 3 a. The map and information table may be incorporated into the MS4 program plan by reference. The map shall be made available to the department within 14 days upon request;*
 - (2) Copies of written notifications of new physical interconnections given by the permittee to other MS4s; and*
 - (3) The IDDE procedures described in Part I E 3 c.*
- e. The annual report shall include:*
- (1) A confirmation statement that the MS4 map and information table have been updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year;*
 - (2) The total number of outfalls screened during the reporting period as part of the dry weather screening program; and*
 - (3) A list of illicit discharges to the MS4 including spills reaching the MS4 with information as follows:*
 - (a) The source of illicit discharge;*
 - (b) The dates that the discharge was observed, reported, or both;*
 - (c) Whether the discharge was discovered by the permittee during dry weather screening, reported by the public, or other method (describe);*
 - (d) How the investigation was resolved;*
 - (e) A description of any follow-up activities; and*
 - (f) The date the investigation was closed.*

BMP 3.1: Maintain Illicit Discharge Detection and Elimination (IDDE) Program

Existing Resources:

- [Urban Stormwater Quality Management and Discharge Control Ordinance](#) (Chapter 9, Article V, Division 7, Ord. Date: 8/8/2005)
- [Wastewater Collection and Disposal Ordinance](#) (Chapter 34, Article I, Division I, Section 34-7, Ord. Date: 11/13/2020)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: To provide foundation, guidance and direction for an IDDE Program

Expected Results: Foundation, guidance and direction for the IDDE Program

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Expeditious resolution of illicit discharges by regularly trained employees under implementation of clear standard operating procedures.
- Continued enforcement of the City code that does not allow the repair of existing septic systems or the installation of new septic systems in areas that are served by the sanitary sewer system or where sanitary sewer is within 300 ft of the property line.
- Documentation of this BMP is the annual reporting of illicit discharges and follow up actions taken included in the Annual Report.
- Report and document all illicit incidents the Hazardous Materials Response Team responds to.

Procedures for Implementation:

- The [Illicit Discharge Detection & Elimination Procedures](#) will be utilized to implement the ordinances.

BMP 3.2: Maintain Outfall Screening Program

Existing Resources: Outfall Map, GIS database, [Outfall Information Table](#), [Illicit Discharge Detection & Elimination SOP](#) (rev. 06/2021)
[Outfall Field Collection Sheet](#)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: To assess outfalls to determine if an illicit discharge has occurred or is occurring. The City has identified 567 stormwater outfalls.

Expected Results: Detection of any illicit discharges

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The MS4 Map and Information Table will be updated by October 1 annually.
- Outfalls will be screened based on the criteria on the standard screening form.
- Outfalls that have suspected or obvious illicit discharges will be investigated in accordance with the City's IDDE Procedures. Confirmed illicit discharges will be tracked, corrected, and reported on in the Annual Report.

Procedures for Implementation:

- A minimum of 50 outfalls will be inspected per year in accordance with permit section Part II.B.3.c.(1).(b). Each outfall has been assigned a code that corresponds to a range of risk values for the likelihood of a potential illicit discharge. Each year, outfalls will be selected based on a sorting of their code value so that higher-risk outfalls will be prioritized to be screened sooner and more frequently.

BMP 3.3: SeeClickFix/Fix It Danville

Existing Resources: [SeeClickFix webpage](#), SeeClickFix mobile through [Google Play](#) or the [App Store](#), [Fix It Danville webpage](#), CityWorks

Responsibility for Implementation: Denise Wyatt, Public Works Administration, 434.799.5245

BMP Objective: To encourage citizen participation in reporting potential stormwater concerns, pollution, illicit discharges, spills, improper disposals, etc.

Expected Results: More conscientious citizen behavior

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City will track the number of illicit discharges reported by citizens and provide documentation in the Annual Report.

Procedures for Implementation:

- The City will maintain all methods of citizen reporting, including the Public Works customer service line, SeeClickFix, and Fix It Danville webpage. These reporting tools will be promoted through the website, social media, and outreach events.
- SeeClickFix is fully integrated into CityWorks (the City's database for customer service requests) and automatically generates a request once a report is submitted. CityWorks routes each request to the responsible party immediately for quick resolution.

BMP 3.4: Illicit Discharge Detection and Elimination Training

Existing Resources: Biennial Stormwater Pollution Prevention Training, [MS4 Training Plan](#)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Education of employees on recognizing and reporting illicit discharges

Expected Results: Higher percentage of illicit discharges discovered and therefore properly addressed

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Each department will train their applicable employees per the MS4 Training Plan and provide a record of each employee trained every year to be included under MCM #6 in the Annual Report.

Procedures for Implementation:

- Follow the MS4 Training Plan to determine which employees require training and administer trainings and document as required.

BMP 3.5: Maintain GIS Database for City Storm & Sanitary Sewer System

Existing Resources: City GIS System

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Establish and maintain a database of all storm sewer and sanitary sewer systems including all conveyance systems, structures, inlets, connections, etc. Field data and city files are used to keep an accurate, up-to-date GIS database that is used for illicit discharge tracking, outfall screening, drainage complaints, project planning, etc.

Expected Results: An accurate representation of the storm and sanitary systems within the City.

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All new storm outfalls will be added to the Outfall Map & Information Table by October 1 of each year. New outfalls or deleted outfalls will be reported on in the Annual Report.
- New infrastructure information and locations will be surveyed by Public Works and incorporated into the GIS layer after project completion.
- The City will notify downstream MS4s of any physical interconnections as they are discovered or established.

Procedures for Implementation:

- As City Projects are completed, relevant permits are closed, or new information is found, the GIS, outfall, and BMP databases are updated. October 1 of each year will be the annual deadline for cross checking all city projects and permits for updates.

BMP 3.6: Urban Stormwater Quality Management and Discharge Control Ordinance

Existing Resources: [Urban Stormwater Quality Management and Discharge Control Ordinance](#) (Chapter 9, Article V, Division 7, Ord. Date: 8/8/2005)
[Illicit Discharge Detection & Elimination SOP](#) (rev. 06/2021)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: To prohibit illicit discharges, establish authority and enforcement procedures for violations

Expected Results: Establishment of legal framework to prohibit illicit discharges

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- This ordinance prohibits non-stormwater discharges into the storm sewer system. This ordinance also outlines actions that the City can take to correct a non-stormwater discharge as well as penalties that could be imposed.
- Documentation of this BMP is the annual reporting of illicit discharges and follow up actions taken included in the Annual Report.

Procedures for Implementation:

- The [Illicit Discharge Detection & Elimination Procedures](#) will be utilized to implement the ordinance.

BMP 3.7: Maintenance/Construction Crew Inspections for Illicit Discharges

Existing Resources: [Urban Stormwater Quality Management and Discharge Control Ordinance](#)

(Chapter 9, Article V, Division 7, Ord. Date: 8/8/2005)

[Illicit Discharge Detection & Elimination SOP](#) (rev. 06/2021)

sanitary sewer maintenance crews, flushers, cameras, other equipment, CityWorks

Responsibility for Implementation: Christopher Goss – Director of Sanitation 434.799.5245

BMP Objective: Maintenance/construction crews will inspect storm and sanitary infrastructure within areas they are working in to determine if there are illicit discharges/connections, sewage overflows, blockages, or other potential issues.

Expected Results: Reduced potential of illicit discharges

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City of Danville maintains over 330 miles of sanitary sewer lines. All sanitary sewers are routinely flushed and checked to make sure they are flowing freely at least once every two years.
- Sanitary sewer lining and reconstruction projects done each year will be tracked.
- Lockdown tops are now required on all new sanitary sewer manholes on an outfall.
- The City Ordinance shall prohibit stormwater connections to the sanitary sewer system unless the Control Authority grants permission in writing.
- All sanitary sewer overflows are documented and reported to the Department of Environmental Quality. These are also reported as illicit discharges in the Annual Report.

Procedures for Implementation:

- The City Ordinance will be revised as necessary.
- All field investigations of suspected sanitary sewer overflow will be documented using the CityWorks system to identify date, time, source of discharge, photos, and all resolutions of issue. A report generated from the CityWorks program will be included in the MS4 Annual Report.

MCM #4: Construction Site Stormwater Runoff Control

Objective:

The City will maintain a program for compliance with the erosion and sediment control ordinance.

Existing Resources:

- [City of Danville Erosion and Sediment Control Ordinance](#) (Chapter 13, Ord. Date: 01/03/2016)
- [City of Danville Plan Review, Inspection, Enforcement Compliance Procedures](#)
- [City of Danville ESC/SWM Model Letters](#)

Responsible Party:

Mike Huggins – Public Works Chief Engineer 434.799.5019

Permit Section:

4. Construction Site Stormwater Runoff Control

a. *The permittee shall utilize its legal authority, such as ordinances, permits, orders, specific contract language, and interjurisdictional agreements, to address discharges entering the MS4 from regulated construction site stormwater runoff. The permittee shall control construction site stormwater runoff as follows:*

- (1) If the permittee is a city, county, or town that has adopted a Virginia Erosion and Sediment Control Program (VESCP), the permittee shall implement the VESCP consistent with the Virginia Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq. of the Code of Virginia) and Virginia Erosion and Sediment Control Regulations (9VAC25-840);*
- (2) If the permittee is a town that has not adopted a VESCP, implementation of a VESCP consistent with the Virginia Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq. of the Code of Virginia) and Virginia Erosion and Sediment Control Regulations (9VAC25-840) by the surrounding county shall constitute compliance with Part I E 4 a; such town shall notify the surrounding county of erosion, sedimentation or other construction stormwater runoff problems;*
- (3) If the permittee is a state agency; public institution of higher education including community colleges, colleges, and universities; or federal entity and has developed standards and specifications in accordance with the Virginia Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq. of the Code of Virginia) and Virginia Erosion and Sediment Control Regulations (9VAC25-840), the permittee shall implement the most recent department approved standards and specifications; or*
- (4) If the permittee is a state agency; public institution of higher education including community colleges, colleges, and universities; or federal entity and has not developed standards and specifications in accordance with the Virginia Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq. of the Code of Virginia) and Virginia Erosion and Sediment Control Regulations (9VAC25-840), the permittee shall inspect all land disturbing activities as defined in § 62.1-44.15:51 of the Code of Virginia that result in the disturbance activities of 10,000 square feet or greater, or 2,500 square*

feet or greater in accordance with areas designated under the Chesapeake Bay Preservation Act, as follows:

- (a) During or immediately following initial installation of erosion and sediment controls;*
- (b) At least once per every two-week period;*
- (c) Within 48 hours following any runoff producing storm event; and*
- (d) At the completion of the project prior to the release of any performance bond.*

(5) If the permittee is a subdivision of a local government such as a school board or other local government body, the permittee shall inspect those projects resulting in a land disturbance as defined in § 62.1-44.15.51 of the Code of Virginia occurring on lands owned or operated by the permittee that result in the disturbance of 10,000 square feet or greater, 2,500 square feet or greater in accordance with areas designated under the Chesapeake Bay Preservation Act, or in accordance with more stringent thresholds established by the local government, as follows:

- (a) During or immediately following initial installation of erosion and sediment controls;*
- (b) At least once per every two-week period;*
- (c) Within 48 hours following any runoff producing storm event; and*
- (d) At the completion of the project prior to the release of any performance bond.*

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

c. The permittee's MS4 program plan shall include:

- (1) If the permittee implements a construction site stormwater runoff control program in accordance with Part I E 4 a (1), the local ordinance citations for the VESCP program;*
- (2) If the permittee implements a construction site stormwater runoff control program in accordance with Part I E 4 a (3):*
 - (a) The most recently approved standards and specifications or if incorporated by reference, the location where the standards and specifications can be viewed; and*
 - (b) A copy of the most recent standards and specifications approval letter from the department;*
- (3) A description of the legal authorities utilized to ensure compliance with Part I E 4 a to control construction site stormwater runoff control such as ordinances, permits, orders, specific contract language, policies, and interjurisdictional agreements;*

- (4) Written inspection procedures to ensure the erosion and sediment controls are properly implemented and all associated documents utilized during inspection including the inspection schedule;*
 - (5) Written procedures for requiring compliance through corrective action or enforcement action to the extent allowable under federal, state, or local law, regulation, ordinance, or other legal mechanisms; and*
 - (6) The roles and responsibilities of each of the permittee's departments, divisions, or subdivisions in implementing the construction site stormwater runoff control requirements in Part I E 4.*
- d. The annual report shall include the following:*
- (1) If the permittee implements a construction site stormwater runoff program in accordance with Part I E 4 a (3):*
 - (a) A confirmation statement that land disturbing projects that occurred during the reporting period have been conducted in accordance with the current department approved standards and specifications for erosion and sediment control; and*
 - (b) If one or more of the land disturbing projects were not conducted with the department approved standards and specifications, an explanation as to why the projects did not conform to the approved standards and specifications.*
 - (2) Total number of inspections conducted; and*
 - (3) The total number and type of enforcement actions implemented and the type of enforcement actions.*

BMP 4.1: Erosion and Sediment Control Ordinance (City's Compliance)

Existing Resources:

[Erosion and Sediment Control Ordinance](#) (Chapter 13, Ord. Date: 1/5/2016)

[City of Danville Plan Review, Inspection, & Compliance Procedures](#) (Rev.: 3/20/2020)

[City of Danville ESC/SWM Model Letters](#) (Rev. 11/6/2014)

[ESC Plan Checklist](#) (Rev. 6/11/2015)

[SWM Plan Checklist](#) (Rev. 2/2/2015)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Ensure City codes, regulations, and programs are fully compliant with the ESC and VSMP regulations.

Expected Results: City Compliance with ESC & VSMP regulations and laws

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Documentation of this BMP will be the annual records of all land disturbing activities, total acreage disturbed, inspections, and enforcement actions taken provided in the Annual Report.
- Monthly Land Disturbance Reports will be sent to DEQ.

BMP 4.2: Erosion and Sediment Control Ordinance

Existing Resources:

[Erosion and Sediment Control Ordinance](#) (Chapter 13, Ord. Date: 1/5/2016)

[City of Danville Plan Review, Inspection, & Compliance Procedures](#) (Rev.: 3/20/2020)

[City of Danville ESC/SWM Model Letters](#) (Rev. 11/6/2014)

[ESC Plan Checklist](#) (Rev. 6/11/2015)

[SWM Plan Checklist](#) (Rev. 2/2/2015)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Maintain established requirements for erosion and sediment controls and penalties for non-compliance.

Expected Results: Compliance with ESC & VSMP requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All applicable land disturbing activities disturbing 5,000 SF or greater will require a Land Disturbance Permit and an Erosion and Sediment Control Plan in accordance with the City of Danville Erosion & Sediment Control Ordinance.
- All applicable permitted land disturbing activities will be required to have a certified Responsible Land Disturber associated with the project.
- Documentation of this BMP will be the annual records of all land disturbing activities, total acreage disturbed, inspections, and enforcement actions taken provided in the Annual Report.
- Monthly Land Disturbance Reports will be sent to DEQ.

BMP 4.3: VSMP Construction General Permit Coverage Compliance**Existing Resources:**

[Erosion and Sediment Control Ordinance](#) (Chapter 13, Ord. Date: 1/5/2016)

[City of Danville Plan Review, Inspection, & Compliance Procedures](#) (Rev.: 3/20/2020)

[City of Danville ESC/SWM Model Letters](#) (Rev. 11/6/2014)

[ESC Plan Checklist](#) (Rev. 6/11/2015)

[SWM Plan Checklist](#) (Rev. 2/2/2015)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Ensure that the VSMP permit is obtained for applicable projects

Expected Results: Compliance with VSMP requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City of Danville’s Erosion and Sediment Control Program shall continue to require that the VSMP permit be obtained for applicable projects as a prerequisite to the issuance of the city’s Land Disturbance Permit.

BMP 4.4: Certified Plan Reviewers, Inspectors and Program Administrators

Existing Resources: Certification for plan reviewers, inspectors, and program administrators

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Certifications for personnel as required under Erosion and Sediment Control Regulations and Stormwater Management Regulations

Expected Results: Compliance with certification requirements

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All plan reviewers, inspectors and program administrators for the City of Danville shall be certified by the Department of Environmental Quality (DEQ) as required by the Erosion and Sediment Control Regulations and Stormwater Management Regulations.
- The City maintains a list of positions requiring ESC & SWM training certifications as well as a list of all current trained/certified employees. An up-to-date list is located [here](#).

BMP 4.5: Alternative Inspection Program (AIP)

Existing Resources: Approved [Alternative Inspection Program](#)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: To place emphasis on Land Disturbing projects that are larger or more complex

Expected Results: Better use of resources for inspecting permitted land-disturbing projects

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Typically, permitted projects will be inspected every 2 weeks, or within 48 hours after a runoff-producing rain event. The alternate inspection program may be utilized as staff, resources, number of permitted projects, or other constraints apply. If the AIP is used, inspections will be documented and included in the Annual Report.

MCM #5: Post-Construction Stormwater Management

Objective:

For optimal water quality, stormwater management facilities must be properly designed, installed, and maintained to ensure peak function. The City reviews site development plans to ensure that water quality and water quantity designs meet standards set forth under the VSMP regulations, the Virginia BMP Clearinghouse, and the VA Stormwater Management Handbook. Projects must use the VA Runoff Reduction Method Calculation Spreadsheet to demonstrate optimal BMP design for compliance. Stormwater facilities must be installed and certified under the direction of an engineering design professional. As-built plans must be submitted with the seal of the design professional.

Existing Resources:

- [Virginia Stormwater Management Program Ordinance](#) (Chapter 13, Article III, Ord. Date: 6/17/2014)
- [DEQ VSMP Approval Letter \(May 2, 2016\)](#)
- [City of Danville Publicly Owned Stormwater Management Facility SOP](#) (rev. 06/2021)
- [City of Danville Privately-Owned Stormwater Management Facility SOP](#) (rev. 08/2021)

Responsible Party:

Mike Huggins – Public Works Chief Engineer 434.799.5019

Permit Section:

5. *Post-construction stormwater management for new development and development on prior developed lands.*

a. The permittee shall address post-construction stormwater runoff that enters the MS4 from the following land disturbing activities by implementing a post-construction stormwater runoff management program as follows:

- (1) If the permittee is a city, county, or town, with an approved Virginia Stormwater Management Program (VSMP), the permittee shall implement the VSMP consistent with the Virginia Stormwater Management Act (§ 62.1-44.15:24 et seq. of the Code of Virginia) and VSMP Regulations (9VAC25-870) as well as develop an inspection and maintenance program in accordance with Parts I E 5 b and c;*
- (2) If the permittee is a town that has not adopted a VSMP, implementation of a VSMP consistent with the Virginia Stormwater Management Act (§ 62.1-44.15:24 et seq. of the Code of Virginia) and VSMP Regulations (9VAC25-870) by the surrounding county shall constitute compliance with Part I E 5 a; such town shall notify the surrounding county of erosion, sedimentation, or other post-construction stormwater runoff problems and develop an inspection and maintenance program in accordance with Part I E 5 b and c;*
- (3) If the permittee is a state agency; public institution of higher education including community colleges, colleges, and universities; or federal entity and has developed standards and specifications in accordance with the Virginia Stormwater Management Act (§ 62.1-44.15:24 et seq. of the Code of Virginia) and VSMP*

Regulations (9VAC25-870), the permittee shall implement the most recent department approved standards and specifications and develop an inspection and maintenance program in accordance with Part I E 5 b;

- (4) If the permittee is a state agency; public institution of higher education including community colleges, colleges, and universities; or federal entity and has not developed standards and specifications in accordance with the Virginia Stormwater Management Act (§ 62.1-44.15:24 et seq. of the Code of Virginia) and Virginia Stormwater Management Regulations (9VAC25-870) the permittee shall implement a postconstruction stormwater runoff control program through compliance with 9VAC25-870 and with the implementation of a maintenance and inspection program consistent with Part I E 5 b; or*
- (5) If the permittee is a subdivision of a local government such as a school board or other local government body, the permittee shall implement a post-construction stormwater runoff control program through compliance with 9VAC25-870 or in accordance with more stringent local requirements, if applicable, and with the implementation of a maintenance and inspection program consistent with Part I E 5 b.*

b. The permittee shall implement an inspection and maintenance program for those stormwater management facilities owned or operated by the permittee that discharges to the MS4 as follows:

- (1) The permittee shall develop and maintain written inspection and maintenance procedures in order to ensure adequate long-term operation and maintenance of its stormwater management facilities;*
- (2) The permittee shall inspect stormwater management facilities owned or operated by the permittee no less than once per year. The permittee may choose to implement an alternative schedule to inspect these stormwater management facilities based on facility type and expected maintenance needs provided that the alternative schedule and rationale is included in the MS4 program plan. The alternative inspection frequency shall be no less than once per five years; and*
- (3) If during the inspection of the stormwater management facility conducted in accordance with Part I E 5 b (2), it is determined that maintenance is required, the permittee shall conduct the maintenance in accordance with the written procedures developed under Part I E 5 b (1).*

c. For those permittees described in Part I E 5 a (1) or (2), the permittee shall:

- (1) Implement an inspection and enforcement program for stormwater management facilities not owned by the permittee (i.e., privately owned) that includes:*
 - (a) An inspection frequency of no less than once per five years for all privately owned stormwater management facilities that discharge into the MS4; and*
 - (b) Adequate long-term operation and maintenance by the owner of the stormwater management facility by requiring the owner to develop and record a maintenance agreement, including an inspection schedule to the extent allowable under state or local law or other legal mechanism;*

- (2) Utilize its legal authority for enforcement of the maintenance responsibilities if maintenance is neglected by the owner; and
 - (3) The permittee may develop and implement a progressive compliance and enforcement strategy provided that the strategy is included in the MS4 program plan.
- d. The permittee shall maintain an electronic database or spreadsheet of all known permittee-owned or permittee-operated and privately owned stormwater management facilities that discharge into the MS4. The database shall also include all BMPs implemented by the permittee to meet the Chesapeake Bay TMDL load reduction as required in Part II A. A database shall include the following information as applicable:
 - (1) The stormwater management facility or BMP type;
 - (2) The stormwater management facility or BMPs location as latitude and longitude;
 - (3) The acres treated by the stormwater management facility or BMP, including total acres, pervious acres, and impervious acres;
 - (4) The date the facility was brought online (MM/YYYY). If the date brought online is not known, the permittee shall use June 30, 2005;
 - (5) The 6th Order Hydrologic Unit Code in which the stormwater management facility is located;
 - (6) Whether the stormwater management facility or BMP is owned or operated by the permittee or privately owned;
 - (7) Whether or not the stormwater management facility or BMP is part of the permittee's Chesapeake Bay TMDL action plan required in Part II A or local TMDL action plan required in Part II B, or both;
 - (8) If the stormwater management facility or BMP is privately owned, whether a maintenance agreement exists; and
 - (9) The date of the permittee's most recent inspection of the stormwater management facility or BMP.
- e. The electronic database or spreadsheet shall be updated no later than 30 days after a new stormwater management facility is brought online, a new BMP is implemented to meet a TMDL load reduction as required in Part II, or discovered if it is an existing stormwater management facility.
- f. The permittee shall use the DEQ Construction Stormwater Database or other application as specified by the department to report each stormwater management facility installed after July 1, 2014, to address the control of post-construction runoff from land disturbing activities for which the permittee is required to obtain a General VPDES Permit for Discharges of Stormwater from Construction Activities.
- g. No later than October 1 of each year, the permittee shall electronically report the stormwater management facilities and BMPs implemented between July 1 and June 30 of each year using the DEQ BMP Warehouse and associated reporting template for any practices not reported in accordance with Part I E 5 f including stormwater management facilities installed to control post-development stormwater runoff from land disturbing activities less than one acre in accordance with the Chesapeake Bay Preservation Act

- regulations (9VAC25-830) and for which a General VPDES Permit for Discharges of Stormwater from Construction Activities was not required.*
- h. The MS4 program plan shall include:*
- (1) If the permittee implements a VSMP in accordance with Part I E 5 a (1) and (2):*
 - (a) A copy of the VSMP approval letter issued by the department;*
 - (b) Written inspection procedures and all associated documents utilized in the inspection of privately owned stormwater management facilities; and*
 - (c) Written procedures for compliance and enforcement of inspection and maintenance requirements for privately owned BMPs.*
 - (2) If the permittee implements a post-development stormwater runoff control program in accordance with Part I E 5 a (3):*
 - (a) The most recently approved standards and specifications or if incorporated by reference, the location where the standards and specifications can be viewed; and*
 - (b) A copy of the most recent standards and specifications approval letter from the department.*
 - (3) A description of the legal authorities utilized to ensure compliance with Part I E 5 a for post-construction stormwater runoff control such as ordinances (provide citation as appropriate), permits, orders, specific contract language, and interjurisdictional agreements;*
 - (4) Written inspection procedures and all associated documents utilized during inspection of stormwater management facilities owned or operated by the permittee;*
 - (5) The roles and responsibilities of each of the permittee's departments, divisions, or subdivisions in implementing the post-construction stormwater runoff control program; and*
 - (6) The stormwater management facility spreadsheet or database incorporated by reference and the location or webpage address where the spreadsheet or database can be reviewed.*
- i. The annual report shall include the following information:*
- (1) If the permittee implements a Virginia Stormwater Management Program in accordance with Part I E 5 a (1) and (2):*
 - (a) The number of privately owned stormwater management facility inspections conducted; and*
 - (b) The number of enforcement actions initiated by the permittee to ensure long-term maintenance of privately owned stormwater management facilities including the type of enforcement action.*
 - (2) Total number of inspections conducted on stormwater management facilities owned or operated by the permittee;*
 - (3) A description of the significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned or operated by the permittee to*

ensure it continues to perform as designed. This does not include routine activities such as grass mowing or trash collection;

- (4) A confirmation statement that the permittee submitted stormwater management facility information through the Virginia Construction Stormwater General Permit database for those land disturbing activities for which the permittee was required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities in accordance with Part I E 5 f or a statement that the permittee did not complete any projects requiring coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities; and*
- (5) A confirmation statement that the permittee electronically reported BMPs using the DEQ BMP Warehouse in accordance with Part I E 5 g and the date on which the information was submitted.*

BMP 5.1: Stormwater Management Program Ordinance

Existing Resources:

[Virginia Stormwater Management Program Ordinance](#) (Chapter 13, Article III, Ord. Date: 6/17/2014)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: The City’s Stormwater Management Program Ordinance addresses stormwater quantity and quality for pre and post construction projects. The ordinance establishes enforcement procedures to require property owners to maintain their stormwater management facilities.

Expected Results: Compliance with the City’s Stormwater Management Codes and Regulations

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The ordinance will continue to be maintained online.
- The effectiveness of this BMP will be included in the Annual Report.

BMP 5.2: Stormwater Management Facilities Database

Existing Resources:

GIS BMP layer

[BMP/SMF Database Spreadsheet](#)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Better organization of information concerning post construction stormwater BMPs located in the City of Danville

Expected Results: Better organization of information concerning post construction stormwater BMPs located in the City of Danville

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All known permanent stormwater management facilities (private & public) within the City will be tracked. For each facility, all the required information per Part I E.5.d(1)-(9) of the General Permit will be tracked.
- All new facilities will be added to the database and GIS layer no later than 30 days after they are brought online.

BMP 5.3: Private BMP Maintenance Agreement & Inspections

Existing Resources:

[BMP Maintenance Agreement](#)

[City of Danville Privately-Owned Stormwater Management Facility SOP](#)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Require owners to maintain their post construction stormwater BMPs by use of legally executed and enforceable maintenance agreements.

Expected Results: Increased water quality by regular maintenance of stormwater BMPs

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- The City shall require that a maintenance agreement be executed for all permanent post-construction BMPs prior to plan approval and permit issuance.
- Any property owners with BMPs confirmed in the City's SMF database without an agreement will be required to execute a maintenance agreement with an inspection schedule.
- The City shall inspect private BMPs once every 5 years.
- Documentation of all inspections will be submitted with the Annual Report.

BMP 5.4: Public Stormwater Management Facility Inspection & Maintenance**Existing Resources:**

GIS BMP layer

[BMP/SMF Database Spreadsheet](#)

[City of Danville Publicly Owned Stormwater Management Facility SOP](#)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Inspect publicly owned BMPs once each fiscal year and maintain as necessary.

Expected Results: Better maintenance of Danville owned BMPs

Implementation Schedule: Currently Implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Inspect all known publicly owned BMPs once each fiscal year. Inspection Reports will be completed for each inspection.
- Perform any maintenance activities as required from the inspection reports.
- Documentation of all inspections will be provided in the Annual Report.

MCM #6: Pollution Prevention/Good Housekeeping for Municipal Operations

Objective:

To establish written policies & procedures to maintain best management practices for municipal operations.

Existing Resources:

- [City of Danville Municipal Pollution Prevention Standard Operating Procedures](#)

Responsible Party:

Mike Huggins – Public Works Chief Engineer 434.799.5019

Permit Section:

6. *Post-construction stormwater management for new development and development on prior developed lands.*
- a. *The permittee shall maintain and implement written procedures for those activities at facilities owned or operated by the permittee, such as road, street, and parking lot maintenance; equipment maintenance; and the application, storage, transport, and disposal of pesticides, herbicides, and fertilizers designed to:*
- (1) Prevent illicit discharges;*
 - (2) Ensure the proper disposal of waste materials, including landscape wastes;*
 - (3) Prevent the discharge of wastewater or permittee vehicle wash water or both into the MS4 without authorization under a separate VPDES permit;*
 - (4) Require implementation of best management practices when discharging water pumped from utility construction and maintenance activities;*
 - (5) Minimize the pollutants in stormwater runoff from bulk storage areas (e.g., salt storage, topsoil stockpiles) through the use of best management practices;*
 - (6) Prevent pollutant discharge into the MS4 from leaking municipal automobiles and equipment; and*
 - (7) Ensure that the application of materials, including fertilizers and pesticides, is conducted in accordance with the manufacturer's recommendations.*
- b. *The written procedures established in accordance with Part I E 6 a shall be utilized as part of the employee training program at Part I E 6 m.*
- c. *Within 12 months of state permit coverage, the permittee shall identify which of the high-priority facilities have a high potential of discharging pollutants. The permittee shall maintain and implement a site-specific stormwater pollution prevention plan (SWPPP) for each facility identified. High priority facilities that have a high potential for discharging pollutants are those facilities that are not covered under a separate VPDES permit and which any of the following materials or activities occur and are expected to have exposure to stormwater resulting from rain, snow, snowmelt or runoff:*

- (1) Areas where residuals from using, storing or cleaning machinery or equipment remain and are exposed to stormwater;
 - (2) Materials or residuals on the ground or in stormwater inlets from spills or leaks;
 - (3) Material handling equipment;
 - (4) Materials or products that would be expected to be mobilized in stormwater runoff during loading or unloading or transporting activities (e.g., rock, salt, fill dirt);
 - (5) Materials or products stored outdoors (except final products intended for outside use where exposure to stormwater does not result in the discharge of pollutants);
 - (6) Materials or products that would be expected to be mobilized in stormwater runoff contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers;
 - (7) Waste material except waste in covered, nonleaking containers (e.g., dumpsters);
 - (8) Application or disposal of process wastewater (unless otherwise permitted); or
 - (9) Particulate matter or visible deposits of residuals from roof stacks, vents or both not otherwise regulated (i.e., under an air quality control permit) and evident in the stormwater runoff.
- d. Each SWPPP as required in Part I E 6 c shall include the following:
- (1) A site description that includes a site map identifying all outfalls, direction of stormwater flows, existing source controls, and receiving water bodies;
 - (2) A description and checklist of the potential pollutants and pollutant sources;
 - (3) A description of all potential nonstormwater discharges;
 - (4) Written procedures designed to reduce and prevent pollutant discharge;
 - (5) A description of the applicable training as required in Part I E 6 m;
 - (6) Procedures to conduct an annual comprehensive site compliance evaluation;
 - (7) An inspection frequency of no less than once per year and maintenance requirements for site specific source controls. The date of each inspection and associated findings and follow-up shall be logged in each SWPPP; and
 - (8) A log of each unauthorized discharge, release, or spill incident reported in accordance with Part III G including the following information:
 - (a) Date of incident;
 - (b) Material discharged, released, or spilled; and
 - (c) Estimated quantity discharged, released or spilled.
- e. No later than June 30 of each year, the permittee shall annually review any high-priority facility owned or operated by the permittee for which a SWPPP has not been developed to determine if the facility has a high potential to discharge pollutants as described in Part I E 6 c. If the facility is determined to be a high-priority facility with a high potential to discharge pollutants, the permittee shall develop a SWPPP meeting the requirements of Part I E 6 d no later than December 31 of that same year.
- f. The permittee shall review the contents of any site specific SWPPP no later than 30 days after any unauthorized discharge, release, or spill reported in accordance with Part III G to determine if additional measures are necessary to prevent future unauthorized discharges,

- releases, or spills. If necessary, the SWPPP shall be updated no later than 90 days after the unauthorized discharge.*
- g. The SWPPP shall be kept at the high-priority facility with a high potential to discharge and utilized as part of staff training required in Part I E 6 m. The SWPPP and associated documents may be maintained as a hard copy or electronically as long as the documents are available to employees at the applicable site.*
 - h. If activities change at a facility such that the facility no longer meets the criteria of a high priority facility with a high potential to discharge pollutants as described in Part I E 6 c, the permittee may remove the facility from the list of high-priority facilities with a high potential to discharge pollutants.*
 - i. The permittee shall maintain and implement turf and landscape nutrient management plans that have been developed by a certified turf and landscape nutrient management planner in accordance with § 10.1-104.2 of the Code of Virginia on all lands owned or operated by the permittee where nutrients are applied to a contiguous area greater than one acre. If nutrients are being applied to achieve final stabilization of a land disturbance project, application shall follow the manufacturer's recommendations.*
 - j. Permittees with lands regulated under § 10.1-104.4 of the Code of Virginia, including state agencies, state colleges and universities, and other state government entities, shall continue to implement turf and landscape nutrient management plans in accordance with this statutory requirement.*
 - k. The permittee shall not apply any deicing agent containing urea or other forms of nitrogen or phosphorus to parking lots, roadways, and sidewalks, or other paved surfaces.*
 - l. The permittee shall require through the use of contract language, training, standard operating procedures, or other measures within the permittee's legal authority that contractors employed by the permittee and engaging in activities with the potential to discharge pollutants use appropriate control measures to minimize the discharge of pollutants to the MS4.*
 - m. The permittee shall develop a training plan in writing for applicable staff that ensures the following:*
 - (1) Field personnel receive training in the recognition and reporting of illicit discharges no less than once per 24 months;*
 - (2) Employees performing road, street, and parking lot maintenance receive training in pollution prevention and good housekeeping associated with those activities no less than once per 24 months;*
 - (3) Employees working in and around maintenance, public works, or recreational facilities receive training in good housekeeping and pollution prevention practices associated with those facilities no less than once per 24 months;*
 - (4) Employees and contractors hired by the permittee who apply pesticides and herbicides are trained or certified in accordance with the Virginia Pesticide Control Act (§ 3.2-3900 et seq. of the Code of Virginia). Certification by the Virginia Department of Agriculture and Consumer Services (VCACS) Pesticide and Herbicide Applicator program shall constitute compliance with this requirement;*

- (5) *Employees and contractors serving as plan reviewers, inspectors, program administrators, and construction site operators obtain the appropriate certifications as required under the Virginia Erosion and Sediment Control Law and its attendant regulations;*
 - (6) *Employees and contractors implementing the stormwater program obtain the appropriate certifications as required under the Virginia Stormwater Management Act and its attendant regulations; and*
 - (7) *Employees whose duties include emergency response have been trained in spill response. Training of emergency responders such as firefighters and law-enforcement officers on the handling of spill releases as part of a larger emergency response training shall satisfy this training requirement and be documented in the training plan.*
- n. *The permittee shall maintain documentation of each training event conducted by the permittee to fulfill the requirements of Part I E 6 m for a minimum of three years after the training event. The documentation shall include the following information:*
 - (1) *The date of the training event;*
 - (2) *The number of employees attending the training event; and*
 - (3) *The objective of the training event.*
- o. *The permittee may fulfill the training requirements in Part I E 6 m, in total or in part, through regional training programs involving two or more MS4 permittees; however, the permittee shall remain responsible for ensuring compliance with the training requirements.*
- p. *The MS4 program plan shall include:*
 - (1) *The written procedures for the operations and maintenance activities as required by Part I E 6 a;*
 - (2) *A list of all high-priority facilities owned or operated by the permittee required in accordance with Part I E 6 c, and whether or not the facility has a high potential to discharge;*
 - (3) *A list of lands for which turf and landscape nutrient management plans are required in accordance with Part I E 6 i and j, including the following information:*
 - (a) *The total acreage on which nutrients are applied;*
 - (b) *The date of the most recently approved nutrient management plan for the property; and*
 - (c) *The location in which the individual turf and landscape nutrient management plan is located;*
 - (4) *A summary of mechanisms the permittee uses to ensure contractors working on behalf of the permittees implement the necessary good housekeeping and pollution prevention procedures, and stormwater pollution plans as appropriate; and*
 - (5) *The written training plan as required in Part I E 6 m.*
- q. *The annual report shall include the following:*
 - (1) *A summary of any operational procedures developed or modified in accordance with Part I E 6 a during the reporting period;*

- (2) A summary of any new SWPPPs developed in accordance Part I E 6 c during the reporting period;*
- (3) A summary of any SWPPPs modified in accordance with Part I E 6 f or the rationale of any high priority facilities delisted in accordance with Part I E 6 h during the reporting period;*
- (4) A summary of any new turf and landscape nutrient management plans developed that includes:
 - (a) Location and the total acreage of each land area; and*
 - (b) The date of the approved nutrient management plan; and**
- (5) A list of the training events conducted in accordance with Part I E 6 m, including the following information:
 - (a) The date of the training event;*
 - (b) The number of employees who attended the training event; and*
 - (c) The objective of the training event.**

BMP 6.1: Operation and Maintenance Procedures for Municipal Facilities, Operations, and Activities for Stormwater Pollution Prevention

Existing Resources: [City of Danville Municipal Pollution Prevention Standard Operating Procedures](#)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: To provide a comprehensive operation and maintenance plan with standard operation procedures for each listed Department for certain operations

Expected Results: Organized operating procedures for each department to minimize or prevent stormwater pollution that may result from municipal activities

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- SOPs will be required to be reviewed as part of biennial training requirements for all applicable employees.
- Records and documentation will be included in the reporting information provided in the Annual Report.

BMP 6.2: Municipal Services that Reduce Stormwater Pollution

Existing Resources:

- Dead animal pickup – Public Works shall remove and dispose of dead animals from the right of way including deceased pets. These are taken to the First Piedmont Corp. landfill at 1224 Clarks Mill Rd., Ringgold, VA 24586 (DEQ Permit #SWP065).
- Recycling – Public Works shall administer a recycling service. Public Works processes recycling materials at the Public Works Complex at 998 South Boston Rd., Danville, VA 24541. After processing, the recycled material is packaged in trucks to be sold on the open market. (DEQ NPDES Industrial Stormwater Permit #VAR051363)
- Yard Waste Collection – Public Works shall administer a service to collect yard waste. Public Works processes yard waste at the City Compost Site at 101 Airport Rd., Danville, VA 24541. (DEQ NPDES Industrial Stormwater Permit #VAR051363)
- Leaf Collection – Public Works shall provide means for the collection and disposal of leaves from residents. Public Works processes leaf waste at the City Compost Site at 101 Airport Rd., Danville, VA 24541. (DEQ NPDES Industrial Stormwater Permit #VAR051363)
- Refuse collection – Public Works shall administer a refuse collection service. Refuse is taken to the First Piedmont Corp. landfill at 1224 Clarks Mill Rd., Ringgold, VA 24586 (DEQ Permit #SWP065).
- Litter collection – Public Works shall administer a program for litter collection in the right-of-way. Litter is taken to the First Piedmont Corp. landfill at 1224 Clarks Mill Rd., Ringgold, VA 24586 (DEQ Permit #SWP065).
- Pet Waste Stations – Parks and Recreation shall provide pet waste stations along the Riverwalk Trail and high traffic public pedestrian areas. Stations encourage proper disposal of pet waste and are maintained weekly.
- Street sweeping Program – Public Works maintains a regular street sweeping program to remove sediment, trash, debris, and other materials to prevent their entry into the storm sewer system. Tonnage of material removed will be documented.
- Inlet Cleaning Program – Public works maintains an inlet cleaning program to remove sediment, trash, debris, and other materials as needed before it reaches surface waters and to mitigate localized flooding. Tonnage of material removed will be documented.

Responsibility for Implementation: Christopher Goss – Director of Sanitation 434.799.5245
Ranee Brown – Director of Parks Maintenance 434.799.5215 brownrl@danvilleva.gov

BMP Objective: To provide services to remove and properly dispose of waste

Expected Results: Reduced stormwater pollution

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

- Documentation of these services will be provided in the Annual Report.

BMP 6.3: Municipal Pollution Prevention Training

Existing Resources: Biennial Stormwater Pollution Prevention Training, [MS4 Training Plan](#)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Provide information to municipal employees about stormwater pollution prevention. The City of Danville Standard Operating Procedures will be used in employee training.

Expected Results: Reduced stormwater pollution from municipal activities

Implementation Schedule: Currently implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary.

Measurable Goals:

- All applicable city employees will be given stormwater pollution prevention training using video, presentations, handouts, or other forms of communication.
- Annual Training Records will be provided in the Annual Report.

BMP 6.4: Identification of Municipal Facilities Requiring SWPPPs

Existing Resources: Existing VPDES Permits: Danville Regional Airport (VAR050750), Danville Public Works Complex VAR051363), and Danville Utilities Services Complex (VAR051365)

Responsibility for Implementation: Mike Huggins – Public Works Chief Engineer 434.799.5019

BMP Objective: Identification of municipal locations requiring SWPPPs

Expected Results: SWPPP development for facilities that currently do not have them

Implementation Schedule: Currently Implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- Municipal facilities within the City of Danville that require SWPPPs will be identified and documented in the Annual Report.
- SWPPPs for these identified facilities will be developed.

BMP 6.5: Nutrient Management Planning

Existing Resources:

Existing Nutrient Management Plans:

[Ballou Park \(12.16 ac.\)](#)

[Dan Daniel Park \(9.80 ac.\)](#)

[Crossing at the Dan \(8.01 ac.\)](#)

Responsibility for Implementation: Randee Brown – Director of Parks Maintenance 434.799.5215

BMP Objective: Identification of municipal areas that need nutrient management plans

Expected Results: Area needing nutrient plans will be identified

Implementation Schedule: Currently Implemented

Evaluation of Effectiveness: This BMP will be reviewed annually and revised as necessary

Measurable Goals:

- All departments will be annually requested to review the properties they maintain and provide information regarding areas requiring nutrient management plans. Any new areas identified will be documented, nutrient management plans created, and reported on in the Annual Report.
- Existing Nutrient Management Plans will be updated prior to their expiration.