

CITY OF DANVILLE, VIRGINIA



VSMP MS4 GENERAL PERMIT PROGRAM PLAN

GENERAL PERMIT REGISTRATION NUMBER VAR040018

Updated March 2020

City of Danville - MS4 Program Plan Contact List

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City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #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, Code Enforcement, and Parks and Recreation.

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.*

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Minimum Measure #1: Public Education and Outreach

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.*

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Minimum Measure #1: Public Education and Outreach

- 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.*

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #1: Public Education and Outreach

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. As of the July 2015 – June 2016 reporting year, 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 was 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.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #1: Public Education and Outreach

BMP 1.1: Stormwater Pollution Prevention Information

BMP 1.2: Water Conservation Tips

BMP 1.3: Pet Waste Management

BMP 1.4: Priority on Reducing Impacts to Listed Impaired Waters and Other Local Water Pollution Concerns

BMP 1.5: Increased City Employee Knowledge Concerning Illegal Discharges

BMP 1.6: Increased Business Knowledge Concerning Illegal Discharges

BMP 1.7: Increased General Public Knowledge Concerning Illegal Discharges

BMP 1.8: Encourage and Assist with Stream Clean-Ups

BMP 1.9: Target Audiences

BMP 1.10: Outreach to Neighborhood Organizations

BMP 1.11: Outreach to Grade School Students

BMP 1.12: Enviroscape Demonstrations

BMP 1.13: Targeted Strategies Towards Local Engineers and Contractors

BMP 1.14: Targeted Strategies Towards Local Lawn Care Providers

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #1: Public Education and Outreach

BMP 1.1: Stormwater Pollution Prevention Information

Existing Resources: Printed materials, media sources

Responsibility for Implementation: Public Works

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 of high priority issues to be addressed.
- Printed material will be placed 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 city's website will be modified to include tips for residential stormwater pollution prevention.
- Information will be posted on the River City TV bulletin board about household stormwater pollution prevention.
- The City will present the relevant stormwater informational videos on the local government access channel.

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Minimum Measure #1: Public Education and Outreach

BMP 1.2: Water Conservation Tips

Existing Resources: Printed material, website information

Responsibility for Implementation: Public Works, Danville Utilities

BMP Objective: Increased citizen knowledge about the benefits of water conservation practices

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Greater public knowledge of the benefits of water conservation

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The city's website will be modified to include tips for water conservation. Water conservation will have the direct impact of reducing bacteria load from the wastewater treatment facility and reducing sediment and nutrient producing runoff from lawn watering practices.

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Minimum Measure #1: Public Education and Outreach

BMP 1.3: Pet Waste Management

Existing Resources: Pet Waste Ordinance

Responsibility for Implementation: Public Works, Parks & Recreation

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.
- Information will be posted on the city's website concerning the importance of pet waste management.
- Information will be posted on the River City TV bulletin board about the importance of pet waste management.
- A pet waste ordinance requiring pet waste pick-up on public property will be maintained.

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Minimum Measure #1: Public Education and Outreach

BMP 1.4: Priority on Reducing Impacts to Listed Impaired Waters and Other Local Water Pollution Concerns

Existing Resources: Impaired waters map

Responsibility for Implementation: Public Works

BMP Objective: Citizens education of impaired waters in the City of Danville

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Increased citizen knowledge of impaired waters

Implementation Schedule: Currently implemented

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

Measurable Goals:

- A map of impaired waters in the city as defined by the Department of Environmental Quality (DEQ) will be maintained on the City of Danville's website.
- Any other water pollution concerns will be also be listed on the website.
- A reduction of pollution impacts on these waters will be emphasized.

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Minimum Measure #1: Public Education and Outreach

BMP 1.5: Increased City Employee Knowledge Concerning Illegal Discharges

Existing Resources: Printed information

Responsibility for Implementation: All departments

BMP Objective: To educate city employees about illegal discharges

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Increased employee knowledge of illegal discharges

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Information will be made available to City employees via the City website, newsletters, or other forms of internal communication concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

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Minimum Measure #1: Public Education and Outreach

BMP 1.6: Increased Business Knowledge Concerning Illegal Discharges

Existing Resources: Website information, River City TV

Responsibility for Implementation: Public Works

BMP Objective: Education of business concerning illegal discharges

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Increased knowledge by businesses concerning illegal discharges

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Information will be posted on the city’s website concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.
- Information will be listed on the city’s website concerning hazards associated with illegal discharges and improper disposal of waste.

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Minimum Measure #1: Public Education and Outreach

BMP 1.7: Increased General Public Knowledge Concerning Illegal Discharges

Existing Resources: City website, River City TV

Responsibility for Implementation: Public Works

BMP Objective: Education of citizens concerning illegal discharges

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Increased knowledge by citizens concerning illegal discharges

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Information will be placed at various locations around the city concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications. This information may also contain other stormwater pollution information.
- Information will be posted on the city's website concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.
- Information will be periodically posted on the River City TV bulletin board concerning hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications.

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Minimum Measure #1: Public Education and Outreach

BMP 1.8: Encourage and Assist with Stream Clean-Ups

Existing Resources: Parks & Recreation sponsors river clean-ups

Responsibility for Implementation: Parks & Recreation

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

Priority Issues Addressed: Sediment

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

Implementation Schedule: Currently implemented

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 fliers (or other informational bulletins), the city's website, and/or the River City TV bulletin board.
- The date and location of any cleanup and number of participants and the amount of trash collected during each cleanup will be documented.
- Danville Parks and Recreation will sponsor one waterway cleanup day each year.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #1: Public Education and Outreach

BMP 1.9: Target Audiences

Existing Resources: Public Works provides paper bags for yard clippings

Responsibility for Implementation: Public Works

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. Public Works maintains tracking documents for dispersal of bags to residents. An informational brochure will be provided to each resident at the time of request.

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Minimum Measure #1: Public Education and Outreach

BMP 1.10: Outreach to Neighborhood Organizations

Existing Resources: Informational brochures

Responsibility for Implementation: Public Works / Housing & Development

BMP Objective: Educate citizens about stormwater pollution prevention

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Better understanding by citizens of stormwater pollution and its prevention

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The City will periodically distribute stormwater pollution prevention information to the president or contact person for the nine local neighborhood organizations.

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Minimum Measure #1: Public Education and Outreach

BMP 1.11: Outreach to Grade School Students

Existing Resources: City funded programs for stormwater education

Responsibility for Implementation: Parks & Recreations, Danville Science Center

BMP Objective: Education of schools students about stormwater pollution

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Better understanding of stormwater pollution by school students

Implementation Schedule: Currently implemented with expansion planned

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.
- Work with Danville Science Center to incorporate stormwater pollution prevention education into main display of planned facility expansion.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #1: Public Education and Outreach

BMP 1.12: Enviroscape Demonstrations

Existing Resources: Enviroscape model

Responsibility for Implementation: Danville Science Center

BMP Objective: Education of school students about stormwater pollution and its effects on the environment

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Greater understanding of school students about stormwater pollution and its effects on the environment

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The Enviroscape model is located at the Danville Science Center and is routinely used for stormwater pollution education.
- Any presentations made will be documented.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #1: Public Education and Outreach

BMP 1.13: Targeted Strategies Towards Local Engineers and Contractors

Existing Resources: Periodic meetings with local engineers and contractors

Responsibility for Implementation: Public Works

BMP Objective: Education of local engineers and contractors about changing stormwater regulations or requirements

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Better stormwater management plans and better construction site control of pollutants

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The city will hold an information session for local contractors and developers anytime there is a change to the existing city ordinances or requirements concerning erosion and sediment control or stormwater management. The city will document the date of any meetings, attendance, and any suggestions that were made to the city during or as a result of the meeting.

- The city will hold an information session for local engineering firms anytime there is a change to the existing city ordinances or requirements concerning erosion and sediment control or stormwater management or if there are in changes to the VSMP construction permit. The city will document the date of any meetings, attendance, and any comments that were made to the city during or as a result of the meeting.

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Minimum Measure #1: Public Education and Outreach

BMP 1.14: Targeted Strategies Towards Local Lawn Care Providers

Existing Resources: Printed material, information on city website

Responsibility for Implementation: Public Works

BMP Objective: Education of local lawn care providers about how they can help reduce stormwater pollution

Priority Issues Addressed: Sediment, Nutrient, Bacteria

Expected Results: Better understanding by local lawn care providers of stormwater pollution prevention practices

Implementation Schedule: Currently implemented

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

Measurable Goals:

- 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 the River City TV bulletin board concerning proper lawn care practices.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #2: Public Involvement / 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.

Permit Section:

2. *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*

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Minimum Measure #2: Public Involvement / Participation

- (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:*

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Minimum Measure #2: Public Involvement / Participation

- (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.*

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Minimum Measure #2: Public Involvement / Participation

BMP 2.1: Promotion of the Availability of the City of Danville's MS4 Program Plan

BMP 2.2: Access to the MS4 Annual Report

BMP 2.3: Creeks, Streams, and River Cleanups

BMP 2.4: Citizen Reporting

BMP 2.5: Storm Drain Stenciling Program

BMP 2.6: Make Danville Shine Annual Expo

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #2: Public Involvement / Participation

BMP 2.1: Promotion of the Availability of the City of Danville's MS4 Program Plan

Existing Resources: Hard copy, digital copy, City website

Responsibility for Implementation: Public Works

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

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

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. Any ordinance modifications associated with the Plan will be advertised for public review and comment.
- Copies of the MS4 Program Plan will be made available to any interested parties upon request. The contents of the MS4 Program Plan 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.

Procedures for Implementation:

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

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Minimum Measure #2: Public Involvement / Participation

BMP 2.2: Access to the MS4 Annual Report

Existing Resources: Hard copy, digital copy, City Website

Responsibility for Implementation: Public Works

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

Expected Results: Increased public knowledge and interest concerning the MS4 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 Annual Report.
- Copies of the MS4 Annual Report will be made available to any interested parties upon request. The contents of the MS4 Annual Report will also be made available on the City's website.
- The City will document and consider all comments received from the public concerning the report.

Procedures for Implementation:

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

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Minimum Measure #2: Public Involvement / Participation

BMP 2.3: Creeks, Streams, and River Cleanups

Existing Resources: Parks and Recreation currently sponsors two river cleanup days annually, Danville Rotary Clubs

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, social media, and/or the River City TV bulletin board.
- 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.

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Minimum Measure #2: Public Involvement / Participation

BMP 2.4: Citizen Reporting

Existing Resources: Contact number, SeeClickFix, CityWorks

Responsibility for Implementation: Public Works

BMP Objective: Specify how citizens can contact the City with stormwater pollution concerns

Expected Results: More organized public reporting about stormwater pollution concerns or complaints

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The City will establish a publicized phone number for the purpose of reporting illicit discharges or other stormwater concerns from citizens.
- The City will establish an email address for the purpose of reporting illicit discharges or other stormwater pollution concerns from citizens.
- The City will maintain an online and mobile application for the purpose of reporting illicit discharges or other stormwater pollution concerns from citizens.

Procedures for Implementation:

- Promote the use of SeeClickFix to help with automated reporting of citizen concerns into the CityWorks system.
- Respond to citizen complaints within 5 days of receipt.
- Prepare reports within CityWorks to document complaint response for inclusion in the MS4 Annual Report.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #2: Public Involvement / Participation

BMP 2.5: Storm Drain Stenciling Program

Existing Resources: Dan River Basin Association

Responsibility for Implementation: Public Works

BMP Objective: To draw attention the direct link between storm drain inlets and waterways

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:

- Stencil all storm drain inlets in the River District.
- 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.

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Minimum Measure #2: Public Involvement / Participation

BMP 2.6: Make Danville Shine Month

Existing Resources: City Website, City Social Media, Refuse/Recycling Collection

Responsibility for Implementation: Community Development

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: Ongoing

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.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #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.

Existing Resources:

- Danville City Code

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.*

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Minimum Measure #3: Illicit Discharge Detection and Elimination

- (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*

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

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**

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

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

BMP 3.2: Outfall assessment (Dry Weather Screening Program)

BMP 3.3: Preventing Illicit Discharges

BMP 3.4: Finding and Fixing Illicit Discharges

BMP 3.5: Storm Sewer Mapping

BMP 3.6: Sanitary Sewer Mapping

BMP 3.7: Urban Stormwater Quality Management and Discharge Control Ordinance

BMP 3.8: Commercial Car Washes

BMP 3.9: Illegal Dumping / Accumulated Waste Ordinance

BMP 3.10: Septic System Not Allowed In Lieu of Sanitary Connection

BMP 3.11: Reduce Potential for Sanitary Sewer Overflows

BMP 3.12: Inoperative / Abandoned Vehicles

BMP 3.13: Hazardous Materials Response Team

BMP 3.14: Establish a Tracking and Reporting System for Illicit Discharges

BMP 3.15: Notification of Downstream-Regulated MS4

BMP 3.16: Illicit Discharge Procedures Manual

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

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

Existing Resources: Program administration

Responsibility for Implementation: Public Works

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:

- An audit of existing capabilities and needs will be performed.
- One program head and key support staff will be identified.
- The illicit discharge ordinance will be reviewed annually and modified as necessary.
- A tracking and reporting system will be established.

Procedures for Implementation:

- The designated program head within Public Works will keep an updated version of the Illicit Discharge Detection and Elimination (IDDE) Procedures on file with the MS4 Program Plan.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.2: Outfall assessment (Dry Weather Screening Program)

Existing Resources: Outfall identification numbers, outfall locations, outfall information

Responsibility for Implementation: Public Works

BMP Objective: To assess outfalls to determine if an illicit discharge has occurred or is occurring

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 City has identified 1,341 stormwater outfalls.
- All outfall inspections will be documented with screening forms. A picture of each outfall will be taken. Each outfall will be identified with an identification number.
- Outfalls that have questionable discharges will be investigated.

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)

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Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.3: Preventing Illicit Discharges

Existing Resources: Informational printed material, website

Responsibility for Implementation: Public Works

BMP Objective: Improve citizen awareness of illicit discharges

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:

- Information will be placed at various locations around the City concerning illicit discharges.
- Illicit discharge information will be posted on the City's website and the City government access channel bulletin board.

Procedures for Implementation:

- Printed materials will be reviewed annually to determine adequacy and need of updates.
- Information on the City Website will be reviewed annually and updated as needed. All Stormwater Pollution information can be found at:
<https://www.danville-va.gov/606/Stormwater-Pollution>

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.4: Finding and Fixing Illicit Discharges

Existing Resources: Storm sewer maintenance crews, CityWorks, SeeClickFix

Responsibility for Implementation: Public Works

BMP Objective: Locate and correct apparent illicit discharges

Expected Results: Eradication of apparent illicit discharges

Implementation Schedule: Currently implemented

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

Measurable Goals:

- All obvious illicit discharges will be removed.
- Staff will be trained on techniques to find the source of illicit discharges.
- Correct illicit discharges identified through field screenings or citizen complaints.
- The City will identify and document potential illicit discharges by maintaining field investigations in CityWorks and integrating televising investigations (POSM) into the City's GIS.

Procedures for Implementation:

- All new Public Works employees will be trained on identifying and reporting suspected illicit discharges.
- All field investigations of suspected illicit discharges 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.
- Televising of storm sewers will be performed by maintenance crews in the event that a storm sewer is suspected of failing and/or there is a suspected illicit discharge contribution. Digital videos and/or reports of the investigations will be posted weekly to the Danville Map Viewer system.

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Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.5: Storm Sewer Mapping

Existing Resources: GIS, CityWorks

Responsibility for Implementation: Public Works, IT Department

BMP Objective: Establish and maintain a database of all storm sewer system lines and structures in the right-of-way

Expected Results: Information relating to the locations of all storm drain systems in the city's right-of-way

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Maintaining and updating the storm sewer map on the city's GIS is done on a continuous basis as discrepancies are identified.
- Integrate televising investigations (POSM) into the City's GIS.

Procedures for Implementation:

- All discrepancies with the GIS layer and field observations will be documented using the CityWorks system or other internal control method.
- New construction information and locations will be surveyed by Public Works and incorporated into the GIS layer after project completion.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.6: Sanitary Sewer Mapping

Existing Resources: GIS

Responsibility for Implementation: Public Works

BMP Objective: Establish and maintain a database of all public sanitary sewer system lines and structures

Expected Results: Information relating to the locations of all public sanitary sewer systems

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Maintaining and updating the sanitary sewer map on the city's GIS is done on a continuous basis as discrepancies are identified.
- Integrate televising investigations (POSM) into the City's GIS.

Procedures for Implementation:

- All discrepancies with the GIS layer and field observations will be documented using the CityWorks system or other internal control method.
- New construction information and locations will be surveyed by Public Works and incorporated into the GIS layer after project completion.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.7: Urban Stormwater Quality Management and Discharge Control Ordinance

Existing Resources: Ordinance (Chapter 9 /Article 5 / Division 7)

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges and provide 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.

Procedures for Implementation:

- The City Ordinance will be revised as necessary.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.8: Commercial Car Washes

Existing Resources: Flier, ordinance (Section 9-179.24)

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illicit discharges from commercial car washes

Expected Results: Reduction or elimination of illicit discharges from commercial car washes

Implementation Schedule: Currently implemented

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

Measurable Goals:

- All known commercial car washes in the City of Danville will be inspected to determine their method of discharge.
- Any car wash not discharging wash waters properly (discharging directly to surface waters or storm drains without a VPDES Permit) will be notified about the violation and given a reasonable time to correct before enforcement actions begin.
- Any potential new car washes must get zoning approval, which includes an evaluation of the method of wastewater discharge.

Procedures for Implementation:

- The City Ordinance will be revised as necessary.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.9: Illegal Dumping / Accumulated Waste Ordinance

Existing Resources: Ordinance (Chapter 17), code enforcement inspectors

Responsibility for Implementation: Public Works

BMP Objective: To prohibit illegal dumping and accumulated waste and provide enforcement procedures for violations

Expected Results: Less accumulated waste and illegal dumping

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Any illegal dumps that are discovered are removed. All illegal dump cases will be documented.
- Signs shall be placed in areas susceptible to illegal dumping.
- All accumulated waste cases will be documented.

Procedures for Implementation:

- The City Ordinance will be revised as necessary.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.10: Septic System Not Allowed In Lieu of Sanitary Connection

Existing Resources: Ordinance (Section 34-7)

Responsibility for Implementation: Community Development (Inspections)

BMP Objective: To prohibit the installation of a new septic tank where public sanitary sewer is available

Expected Results: Less infiltration of wastewater from private septic systems into the environment

Implementation Schedule: Currently implemented

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

Measurable Goals:

- 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.
- Any new septic systems that are allowed to be installed or any septic systems that are repaired must be inspected by the Pittsylvania County Department of Health.

Procedures for Implementation:

- The City Ordinance will be revised as necessary.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.11: Reduce Potential for Sanitary Sewer Overflows

Existing Resources: Policy, ordinance, sanitary sewer maintenance crews, flushers, cameras, other equipment, CityWorks

Responsibility for Implementation: Public Works

BMP Objective: To reduce the risk of sanitary sewer overflows

Expected Results: Reduced potential of sanitary sewer overflows

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. The cause of the overflow is determined and recorded.

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.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.12: Inoperative / Abandoned Vehicles

Existing Resources: Ordinance (Chapter 21)

Responsibility for Implementation: Public Works

BMP Objective: Removal of inoperative vehicles from private property

Expected Results: Reduced stormwater pollution as a result of fewer inoperative vehicles

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Any abandoned or inoperative vehicle that is not meeting the requirements of the aforementioned code chapter shall be impounded if the owner refuses to make corrections.

Procedures for Implementation:

- The City Ordinance will be revised as necessary.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.13: Hazardous Materials Response Team

Existing Resources: Hazardous Materials Response Team

Responsibility for Implementation: Danville Fire Department

BMP Objective: To control hazardous discharges in an offensive manner

Expected Results: The control of hazardous discharges

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The Hazardous Materials Response Team is trained and equipped to work in hazardous environments in an offensive manner to stop or contain the discharge of hazardous materials.
- The Department of Environmental Quality is notified when the Haz-Mat team responds to the discharge of hazardous substances.
- All incidents that the Haz-Mat team responds to are documented.

Procedures for Implementation:

- An annual meeting with the Fire Chief will be scheduled to review strategies for compliance with the MS4 Program.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.14: Establish a Tracking and Reporting System for Illicit Discharges

Existing Resources: CityWorks

Responsibility for Implementation: Public Works

BMP Objective: To better organize reported or discovered illicit discharges

Expected Results: Better organization of reported or discovered illicit discharges

Implementation Schedule: Currently implemented

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

Measurable Goals:

- All reported illicit discharges will be tracked using City Works.

Procedures for Implementation:

- All field investigations of suspected illicit discharges 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.

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Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.15: Notification of Downstream-Regulated MS4

Existing Resources: Notifications

Responsibility for Implementation: Public Works

BMP Objective: To notify any downstream MS4 that the Danville MS4 drains to their MS4.

Expected Results: Awareness by downstream MS4 of Danville's MS4

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Danville Community College, which is a regulated small MS4 that receives discharge from the Danville MS4, will be notified in writing.
- The Virginia Department of Transportation (VDOT), which is a regulated MS4 that receives discharge from the Danville MS4, will be notified in writing.

Procedures for Implementation:

- Notification letters are mailed annually.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #3: Illicit Discharge Detection and Elimination

BMP 3.16: Illicit Discharge Procedures Manual

Existing Resources: None

Responsibility for Implementation: Public Works

BMP Objective: To have written procedures defining how to effectively and consistently address illicit discharges

Expected Results: Better consistency concerning illicit discharge procedures

Implementation Schedule:

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

Measurable Goals:

- Develop an Illicit Discharge Procedures Manual to identify, detect and eliminate illicit discharges
- Train employees using the manual
- Include illegal dumping in the manual

Procedures for Implementation:

- The designated program head within Public Works will keep an updated version of the Illicit Discharge Detection and Elimination (IDDE) Procedures on file with the MS4 Program Plan.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

Objective:

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

Existing Resources:

- Danville City Code

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*

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Minimum Measure #4: Construction Site Stormwater Runoff Control

- (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.*

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.1: Erosion and Sediment Control Ordinance (compliance)

BMP 4.2: ESC Ordinance (implementation of ESC BMPs)

BMP 4.3: Encouraging Designs that Replicate Predevelopment Runoff Characteristics and Site Hydrology

BMP 4.4: Requirement to Secure VSMP Prior to Issuance of the City's Land Disturbance Permit

BMP 4.5: Procedural Flow Chart (construction)

BMP 4.6: Certified Plan Reviewers, Inspectors and Program Administrators

BMP 4.7: Responsible Land Disturber (RLD) Requirement

BMP 4.8: Land Disturbance Permit Information

BMP 4.9: Alternative Inspection Program (AIP)

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.1: Erosion and Sediment Control Ordinance (compliance)

Existing Resources: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

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

Expected Results: Compliance with ESC requirements

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Danville’s Erosion and Sediment Control ordinance shall require that a Land Disturbance Permit be issued and erosion and sediment controls be implemented for applicable projects greater than 5,000 sf of disturbance.
- Regular inspections of permitted projects for compliance.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.2: ESC Ordinance (implementation of ESC BMPs)

Existing Resources: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

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

Expected Results: Compliance with ESC requirements

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The Erosion and Sediment Control Ordinance shall continue to require implementation of appropriate erosion and sediment control best management practices as part of an erosion and sediment control plan that is consistent with the Erosion and Sediment Control Law and attendant regulations and other applicable requirements of state, tribal, or local law.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.3: Encouraging Designs that Replicate Predevelopment Runoff Characteristics and Site Hydrology

Existing Resources: Website information

Responsibility for Implementation: Public Works

BMP Objective: Encouragement of low impact development

Expected Results: Consideration of low impact development by plan designers

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The city will encourage the use of structural and nonstructural design techniques to create a development design that has the goal of maintaining or replicating predevelopment runoff characteristics and site hydrology via its stormwater webpage.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.4: Requirement to Secure VSMP Prior to Issuance of the City's Land Disturbance Permit

Existing Resources: Erosion and Sediment Control Ordinance (VSMP requirement)

Responsibility for Implementation: Public Works

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.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.5: Procedural Flow Chart (construction)

Existing Resources: Flow chart

Responsibility for Implementation: Public Works

BMP Objective: To establish procedures to consider information submitted by the public concerning land-disturbing projects

Expected Results: Consistent evaluation of submitted information

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The flow chart shall be established to outline the procedures for receipt and consideration of information submitted by the public concerning land disturbing projects.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.6: Certified Plan Reviewers, Inspectors and Program Administrators

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

Responsibility for Implementation: Public Works

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.

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Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.7: Responsible Land Disturber (RLD) Requirement

Existing Resources: Erosion and Sediment Control Ordinance

Responsibility for Implementation: Public Works

BMP Objective: To make sure all applicable regulated land disturbing activities have an RLD listed for the project

Expected Results: Compliance with the ESC regulations

Implementation Schedule: Currently implemented

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

Measurable Goals:

- All applicable projects shall be required to have a certified Responsible Land Disturber associated with the project as required under the Erosion and Sediment Control Law.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.8: Land Disturbance Permit Information

Existing Resources: Permit documentation

Responsibility for Implementation: Public Works

BMP Objective: To track information related to regulated land disturbing activities

Expected Results: Easy access of Land Disturbance Permit information

Implementation Schedule: Currently implemented

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

Measurable Goals:

- All Land Disturbance permits issued will be tracked monthly and reported to DEQ.
- The disturbed area for each permit will be tracked.
- Land Disturbance Permit information will be submitted with each MS4 Annual Report.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #4: Construction Site Stormwater Runoff Control

BMP 4.9: Alternative Inspection Program (AIP)

Existing Resources: Approved AIP

Responsibility for Implementation: Public Works

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:

- The City shall continue to implement the approved AIP.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

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:

- Danville City Code

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)*

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

- 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*

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

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.*

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

- (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.*

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.1: Required Compliance with the VSMP Permit

BMP 5.2: Strategies for Post-Construction Stormwater BMPs

BMP 5.3: Encouraging Designs that Replicate Predevelopment Runoff Characteristics and Site Hydrology

BMP 5.4: Urban Stormwater Quality Discharge Control Ordinance

BMP 5.5: Requirement to Secure VSMP Construction Permit Prior to Issuance of the City's Land Disturbance Permit

BMP 5.6: Permanent Post Construction BMP Maintenance Agreement

BMP 5.7: Draft New Regulations Requiring Inspection Schedule from Owners

BMP 5.8: Draft New Ordinance or Modify Existing Maintenance Agreement for Enforcement of Maintenance Responsibilities by the Owner

BMP 5.9: Draft New Ordinance for Site Inspection and Enforcement Measures for Post-Construction Stormwater BMPs

BMP 5.10: Tracking of All Known Permanent Stormwater Management Facilities

BMP 5.11: Alternative Strategies for Individual Homeowner Lot BMPs

BMP 5.12: Operator Owned Stormwater Management Inspection Procedures

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.1: Required Compliance with the VSMP Permit

Existing Resources: Ordinance

Responsibility for Implementation: Public Works

BMP Objective: To require appropriate post-construction stormwater BMPs

Expected Results: Reduced post-construction water quality impacts for applicable projects

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The city shall require compliance with the VSMP permit for applicable projects.
- Applicable projects shall not be approved until water quality requirements are met.

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.2: Strategies for Post-Construction Stormwater BMPs

Existing Resources: Website information

Responsibility for Implementation: Public Works

BMP Objective: To encourage owners and developers to consider alternative designs for post construction BMPs

Expected Results: Greater awareness by owners and developers concerning structural and non-structural post construction BMPs

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The City will encourage the use of structural and nonstructural BMPs appropriate for Danville via informational literature and/or the City's website.

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.3: Encouraging Designs that Replicate Predevelopment Runoff Characteristics and Site Hydrology

Existing Resources: Website information

Responsibility for Implementation: Public Works

BMP Objective: Encouragement of Low Impact Development

Expected Results: Consideration of Low Impact Development

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The city will encourage the use of structural and nonstructural design techniques to create a design that has the goal of maintaining or replicating predevelopment runoff characteristics and site hydrology via literature and/or the stormwater webpage.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.4: Urban Stormwater Quality Discharge Control Ordinance

Existing Resources: Ordinance

Responsibility for Implementation: Public Works

BMP Objective: Reduction of post construction stormwater pollutants

Expected Results: Reduction of post construction stormwater pollutants

Implementation Schedule: Currently implemented

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

Measurable Goals:

- The Urban Stormwater Quality Discharge Control Ordinance requires the control and reduction of stormwater pollutants for new development and redevelopment projects. The ordinance also requires compliance with the construction NPDES permit. (§9-179.27, §9-179.28)
- This ordinance will be reviewed annually and updated as necessary.

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.5: Requirement to Secure VSMP Construction Permit Prior to Issuance of the City's Land Disturbance Permit

Existing Resources: Ordinance

Responsibility for Implementation: Public Works

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:

- Continue to maintain that the City of Danville's Erosion and Sediment Control Ordinance shall require that a copy of the registration statement for the VPDES construction permit be submitted to the city for applicable projects as a prerequisite to the issuance of the Land Disturbance Permit. (§13-26)

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.6: Permanent Post Construction BMP Maintenance Agreement

Existing Resources: BMP Maintenance Agreement

Responsibility for Implementation: Public Works

BMP Objective: Require owners to commit to maintaining post construction stormwater BMPs

Expected Results: Regular maintenance of post construction stormwater BMPs by owners

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.

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.7: Draft New Regulations Requiring Inspection Schedule from Owners

Existing Resources: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: Better maintenance of post construction BMPs

Expected Results: Better maintenance of post construction BMPs

Implementation Schedule: ON HOLD

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

Measurable Goals:

- New regulations will be drafted to require owners to develop a recorded inspection schedule for all proposed permanent post construction stormwater BMPs.

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.8: Draft New Ordinance or Modify Existing Maintenance Agreement for Enforcement of Maintenance Responsibilities by the Owner

Existing Resources: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: To provide enforcement mechanism for owners of post construction BMPs that are not being maintained

Expected Results: Better maintenance of post construction BMPs if implemented

Implementation Schedule: ON HOLD

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

Measurable Goals:

- An ordinance will be drafted and/or the existing maintenance agreement modified to insert a mechanism for enforcement of maintenance responsibilities by the owner if the BMP fails to be maintained as required.

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.9: Draft New Ordinance for Site Inspection and Enforcement Measures for Post-Construction Stormwater BMPs

Existing Resources: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: To provide enforcement mechanism for owners of post construction BMPs that are not being maintained

Expected Results: Better maintenance of post construction BMPs

Implementation Schedule: ON HOLD

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

Measurable Goals:

- An ordinance will be drafted to address site inspection and enforcement measures for post-construction stormwater BMPs. The ordinance will be consistent with the Virginia Stormwater Management Act, 4VAC50-60-150 of the VSMP Permit Regulations, and other attendant regulations.

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.10: Tracking of All Known Permanent Stormwater Management Facilities

Existing Resources: GIS BMP layer

Responsibility for Implementation: Public Works

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 within the City will be tracked. For each facility, the following information will be documented: type of structural stormwater management facility, geographic location (HUC), the impaired surface water that the stormwater management facility is discharging into (if applicable), and the number of acres treated.

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Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.11: Alternative Strategies for Individual Homeowner Lot BMPs

Existing Resources: Maintenance agreement

Responsibility for Implementation: Public Works

BMP Objective: Offer alternatives to maintenance agreements for homeowner BMP

Expected Results: Homeowner BMP maintenance without agreements

Implementation Schedule: ON HOLD

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

Measurable Goals:

- Develop outreach materials to promote long term maintenance of individual lot BMPs by homeowners as an alternative to recorded maintenance agreements.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #5: Post-Construction Stormwater Management in New Development and Development on Prior Developed Land

BMP 5.12: Operator Owned Stormwater Management Inspection Procedures

Existing Resources: City owned BMPs

Responsibility for Implementation: Public Works

BMP Objective: To specify inspection procedures and frequency for operator owned BMPs

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:

- Distinguish Danville owned facilities from private facilities.
- Develop inspection procedures for Danville owned BMP facilities that outline inspection protocol and frequency.

City of Danville, Virginia - MS4 Program Plan – VAR040018

Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

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:

- Danville City Code

Permit Section:

6. *Pollution prevention and good housekeeping for facilities owned or operated by the permittee within the MS4 service area.*
 - 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:*

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Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

- (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

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- 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*

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- 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;*

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- (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.**

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

BMP 6.2: Municipal Services that Reduce Stormwater Pollution

BMP 6.3: Municipal Operations to Reduce Stormwater Pollution

BMP 6.3a: Municipal Pollution Prevention Training

BMP 6.4: Elimination of Illicit Discharges from Municipal Facilities to the Maximum Extent Practicable

BMP 6.5: Proper Disposal of Waste Materials from Municipal Operations

BMP 6.6: Protection of Soluble or Erodible Materials from Exposure to Precipitation

BMP 6.7: Application of Materials in Accordance with Manufacturer's Recommendation or Other Recommendations

BMP 6.8: Identification of Locations Requiring SWPPPs

BMP 6.9: Nutrient Management Plan Location Identification

BMP 6.10: Training Program and Schedule

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

Existing Resources: Operations and Maintenance Plan

Responsibility for Implementation: All applicable city departments

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:

- Operation and maintenance procedures will be established and maintained to address stormwater pollution prevention from municipal operations.
- The Operations and Maintenance Plan will include housekeeping procedures.

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BMP 6.2: Municipal Services that Reduce Stormwater Pollution

Existing Resources: Policies and services

Responsibility for Implementation: Public Works

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:

- Dead animal pickup – Public Works shall remove and dispose of dead animals from the right of way including deceased pets.
- Recycling – Public Works shall administer a recycling service.
- Yard Waste Collection – Public Works shall administer a service to collect yard waste.
- Leaf Collection – Public Works shall provide means for the collection and disposal of leaves from residents.
- Refuse collection – Public Works shall administer a refuse collection service.
- Litter collection – Public Works shall administer a program for litter collection in the right-of-way.

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BMP 6.3: Municipal Operations to Reduce Stormwater Pollution

Existing Resources: Street sweeping and storm drain cleaning

Responsibility for Implementation: Public Works

BMP Objective: Cleaner streets and cleaner storm drains

Expected Results: Cleaner streets and cleaner storm drains

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Street Sweeping – The city will provide routine sweeping and cleaning of high traffic areas throughout the City where accumulations of debris occur so that the impact on stormwater systems is minimized. This includes the cleaning of gutters, turning lanes, and underpasses located in the City.
- Storm drain cleaning – Storm drains shall be cleaned on a complaint basis and when a storm drain is observed to need cleaning.

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BMP 6.3a: Municipal Pollution Prevention Training

Existing Resources: Videos, handouts, newsletter articles

Responsibility for Implementation: Various departments

BMP Objective: Provide information to municipal employees about stormwater pollution prevention

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.

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BMP 6.4: Elimination of Illicit Discharges from Municipal Facilities to the Maximum Extent Practicable

Existing Resources: Facility inspection

Responsibility for Implementation: All applicable departments

BMP Objective: Discovery of any illicit discharges at municipal facilities

Expected Results: Elimination of illicit discharges from municipal facilities

Implementation Schedule: Currently implemented

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

Measurable Goals:

- All municipal facilities will be inspected to insure that there are no illicit discharges occurring from these facilities. All inspections will be documented and any illicit discharges that are discovered will be documented and corrected.
- All applicable employees shall be educated about illicit discharges from municipal facilities.
- Vehicles and equipment will be washed in a designated wash bay or other designated wash areas.
- Vehicles and equipment maintenance and repairs shall be performed indoors when possible.

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BMP 6.5: Proper Disposal of Waste Materials from Municipal Operations

Existing Resources: Disposal methods and procedures

Responsibility for Implementation: All applicable departments

BMP Objective: Insure proper disposal of waste materials

Expected Results: Proper disposal of waste materials

Implementation Schedule: Currently implemented

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

Measurable Goals:

- All waste materials from municipal operations shall be disposed of properly.
- The following waste materials from municipal operations shall be recycled: used motor oil, used hydraulic fluid, used batteries, used antifreeze, tires, metal.
- All applicable employees shall be informed about proper waste disposal.

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BMP 6.6: Protection of Soluble or Erodible Materials from Exposure to Precipitation

Existing Resources: Material storage policy

Responsibility for Implementation: All applicable departments

BMP Objective: Protection of soluble or erodible materials from exposure to precipitation

Expected Results: Reduced stormwater pollution from stored materials

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Road salt for winter operations shall be stored in the salt dome.
- Sand for winter operations shall be stored in the sand dome.
- Oils, grease, and other maintenance fluids will be stored in lidded containers.
- Exposure of other materials to the environment that are soluble or erodible will be minimized to the maximum extent practicable.
- All applicable employees shall be educated about proper storage of erodible and soluble materials.

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BMP 6.7: Application of Materials in Accordance with Manufacturer's Recommendation or Other Recommendations

Existing Resources: Training

Responsibility for Implementation: All applicable departments

BMP Objective: To insure proper application of materials that could pollute receiving surface waters

Expected Results: Reduced stormwater pollution from certain materials

Implementation Schedule: Currently implemented

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

Measurable Goals:

- Pesticide training and certification - all applicable municipal employees shall be trained and certified in the application of pesticides.
- Fertilizer application – all applicable municipal employees shall be trained in the proper application of fertilizers.
- Road salt application - all applicable municipal employees shall be trained on the proper application rates of road salt from spreaders.

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BMP 6.8: Identification of Locations Requiring SWPPPs

Existing Resources: Existing VPDES Permits

Responsibility for Implementation: All applicable departments

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.
- SWPPPs for these identified facilities will be developed.

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Minimum Measure #6: Pollution Prevention / Good Housekeeping for Municipal Operations

BMP 6.9: Nutrient Management Plan Location Identification

Existing Resources: Existing Nutrient Management Plans

Responsibility for Implementation: All applicable departments

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:

- Each department will submit information regarding areas needing nutrient management plans
- All areas will be documented.

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BMP 6.10: Training Program and Schedule

Existing Resources: Training materials

Responsibility for Implementation: All applicable departments

BMP Objective: To have a better defined stormwater pollution prevention training program

Expected Results: More comprehensive and organized stormwater training program

Implementation Schedule: Currently Implemented

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

Measurable Goals:

- Identify all available training resources.
- Compile training schedules from all applicable departments.