

**STORMWATER
PROGRAM MANAGEMENT PLAN

FOR

TOWN OF FALMOUTH, MAINE**

Original Plan Date: November 14, 2008

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SECTION 1 INTRODUCTION

SECTION 1.1 OVERVIEW OF REGULATORY PROGRAM

The General Permit for Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (hereinafter referred to as the "General Permit") was issued by the Maine Department of Environmental Protection (DEP) on July 1, 2008. The General Permit authorizes the direct discharge of stormwater from or associated with a regulated small municipal separate storm sewer system (MS4) to an MS4 or waters of the State other than groundwater. Discharges must meet the requirements of the General Permit and applicable provisions of Maine's waste discharge and water classification statutes and rules. Compliance with the General Permit authorizes a person to discharge stormwater, pursuant to 38 M.R.S.A. § 413. The General Permit authorizes direct discharges in those parts of Maine for which the DEP has received delegated authority under the Federal National Pollutant Discharge Elimination System (NPDES) permit program. Several key requirements of the General Permit are described below.

1.1.1 Stormwater Program Management Plan

The regulated small MS4, hereinafter referred to as the "permittee," shall develop, implement, and enforce a Stormwater Program Management Plan (Plan) implementing six minimum control measures (MCMs), set forth in Section H of the General Permit, which are designed to reduce the discharge of pollutants within the Urbanized Area (UA) from its regulated small MS4 to the maximum extent practicable, to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act. Maximum extent practicable is generally a focus on pollution prevention and source control. Maximum extent practicable is an iterative process with an ultimate goal of protecting and improving water quality. For the purposes of the General Permit, narrative effluent limitations requiring implementation of best management practices (BMPs) are generally the most appropriate form of effluent limitations when designed to satisfy technology requirements (including reductions of pollutants to the maximum extent practicable) and to protect water quality. The permittee shall describe in its Plan how it will reduce or eliminate polluted stormwater runoff to the maximum extent practicable within the UA, from its MS4.

1.1.2 Minimum Control Measures (MCMs)

The General Permit requires that for each MCM, the permittee shall: define appropriate BMPs; designate a person(s) responsible for each BMP; define a time line for implementation of each BMP; and define measurable goals for each BMP. The minimum control measures to be included in the Plan are as follows:

- MCM 1. Public education and outreach on stormwater impacts
- MCM 2. Public involvement and participation
- MCM 3. Illicit discharge detection and elimination
- MCM 4. Construction site stormwater runoff control

- MCM 5. Post-construction stormwater management in new development and redevelopment
- MCM 6. Pollution prevention/good housekeeping for municipal operations

1.1.3 Evaluation and Assessment

As specified in Part IV(J)(1) of the General Permit, the permittee shall evaluate program compliance, the appropriateness of identified best management practices, and progress towards achieving identified measurable goals through annual reporting.

1.1.4 Annual Reporting and Record Keeping

The permittee shall keep records required by the General Permit for at least three (3) years following its expiration or longer if requested by the Commissioner. The permittee shall make records, including its Stormwater Program Management Plan, available to the public at reasonable times during regular business hours.

By September 1, 2009, and annually thereafter by September 1, the permittee shall submit a report for the Department's review and approval to:

**Municipal/Industrial Stormwater Coordinator
Department of Environmental Protection
17 State House Station
Augusta, Maine 04333-0017**

The report must include the following:

- a. The status of compliance with permit conditions based on the permittee's Plan, an assessment of the appropriateness of identified BMPs, progress towards achieving identified measurable goals for each of the MCMs, and progress toward achieving to goal of reducing the discharge of pollutants to the maximum extent practicable.
- b. Results of information collected and analyzed, including monitoring data, if any, during the reporting period.
- c. A summary of the stormwater activities the permittee intends to undertake pursuant to its Plan during the next reporting cycle.
- d. A change in any identified BMPs or measurable goals that apply to the Plan.
- e. A summary describing the activities, progress, and accomplishments for MCMs 1-6 (including such items as the status of education and outreach efforts, public involvement activities, stormwater mapping efforts, dry weather inspections, detected illicit discharges, detected illicit connections, illicit discharges that were eliminated, construction site inspections, number and nature of enforcement actions, post-construction BMP status and inspections, and the status of the permittee's good housekeeping/pollution prevention program).

If possible, the permittee will provide an estimate of annual expenditures for permit compliance for the reporting period and projected budget for the following year.

Changes to the report based on the Department's review comment(s) must be submitted to the Department within 30 days of the receipt of the comment(s).

1.1.5 Impaired Waters and Total Maximum Daily Load (TMDL) Applicability

If the waterbody to which a discharge drains is impaired and has an EPA approved TMDL, then the discharge must be consistent with the TMDL waste load allocation and any implementation plan. If a TMDL is approved or modified by EPA subsequent to the effective date of this General Permit, the Department shall notify the permittee and may:

1. Require the permittee to review its Plan for consistency with the TMDL, and propose any necessary modification to the Plan to be submitted to the Department within six months of the receipt of notification concerning the TMDL;
2. Issue a watershed-specific General Permit for the area draining to the impaired waterbody, which may reference parts of the General Permit; or
3. Require an individual permit.

SECTION 1.2 BASIS OF PLAN DEVELOPMENT

This Plan was developed in accordance with the requirements of the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems, which was issued by the DEP on July 1, 2008. Per the General Permit, implementation of the six MCMs is required only within the urbanized area, as defined by the latest decennial (2000) census by the U.S. Bureau of Census, of the regulated small MS4.

SECTION 2 REGULATED MS4 INFORMATION

SECTION 2.1 LOCATION MAP

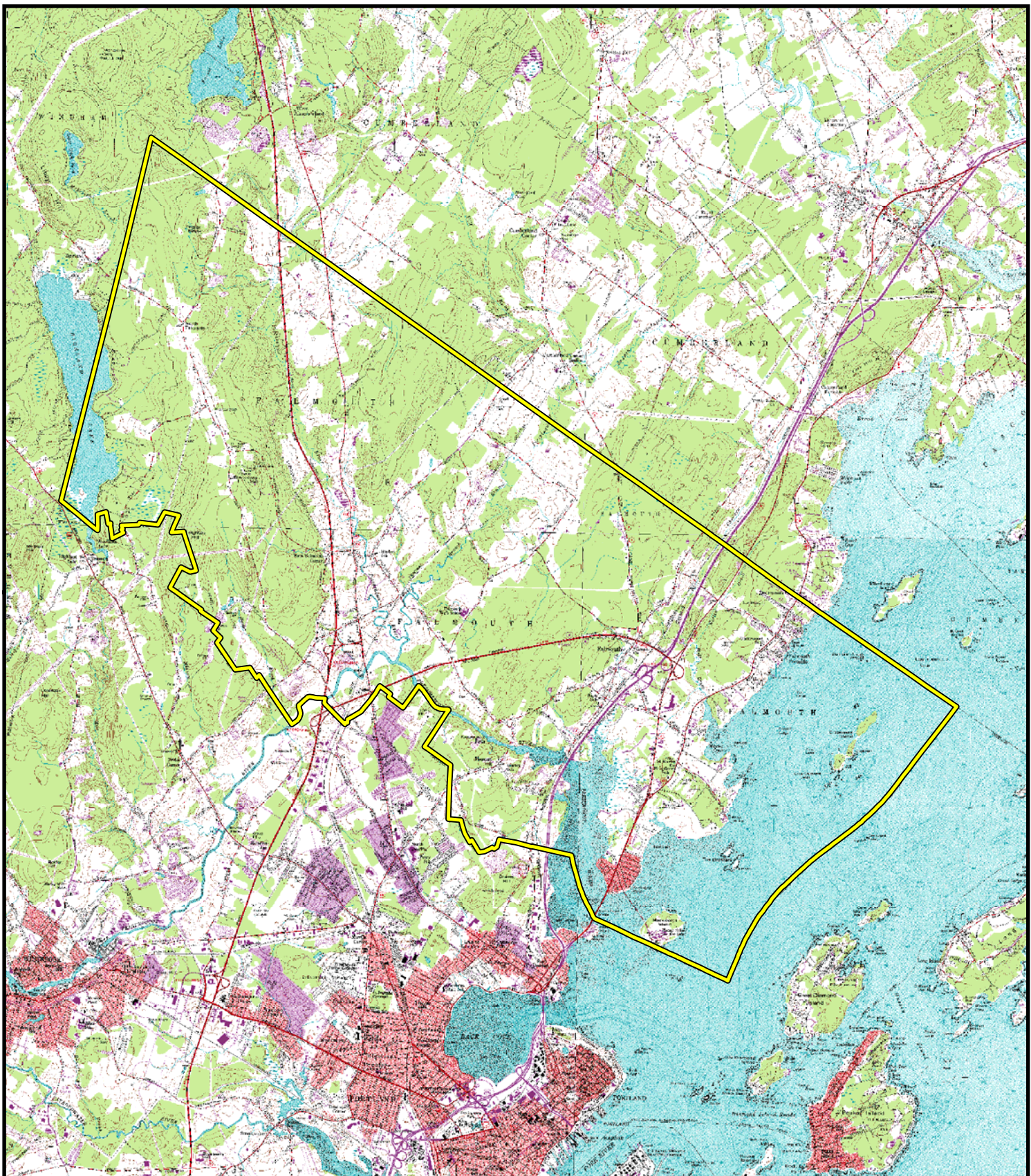
The location map for the permittee is included as Figure 2.1.

SECTION 2.2 URBANIZED AREA MAP


The urbanized area map was developed from the U.S. Census Bureau (2000) Urbanized Area and Urban Cluster Data, and is included as Figure 2.2.

SECTION 2.3 PRIORITY WATERSHEDS

The permittee's highest priority watershed is Mill Creek, and the second highest priority watershed is Casco Bay Foreside. These priority watersheds are also identified on Figure 2.2.

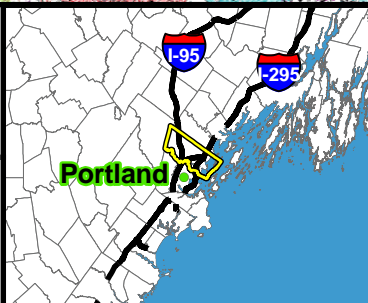


Legend:

 Town of Falmouth



0 7,500 15,000
Feet



Stormwater Phase II
Stormwater Program Management Plan

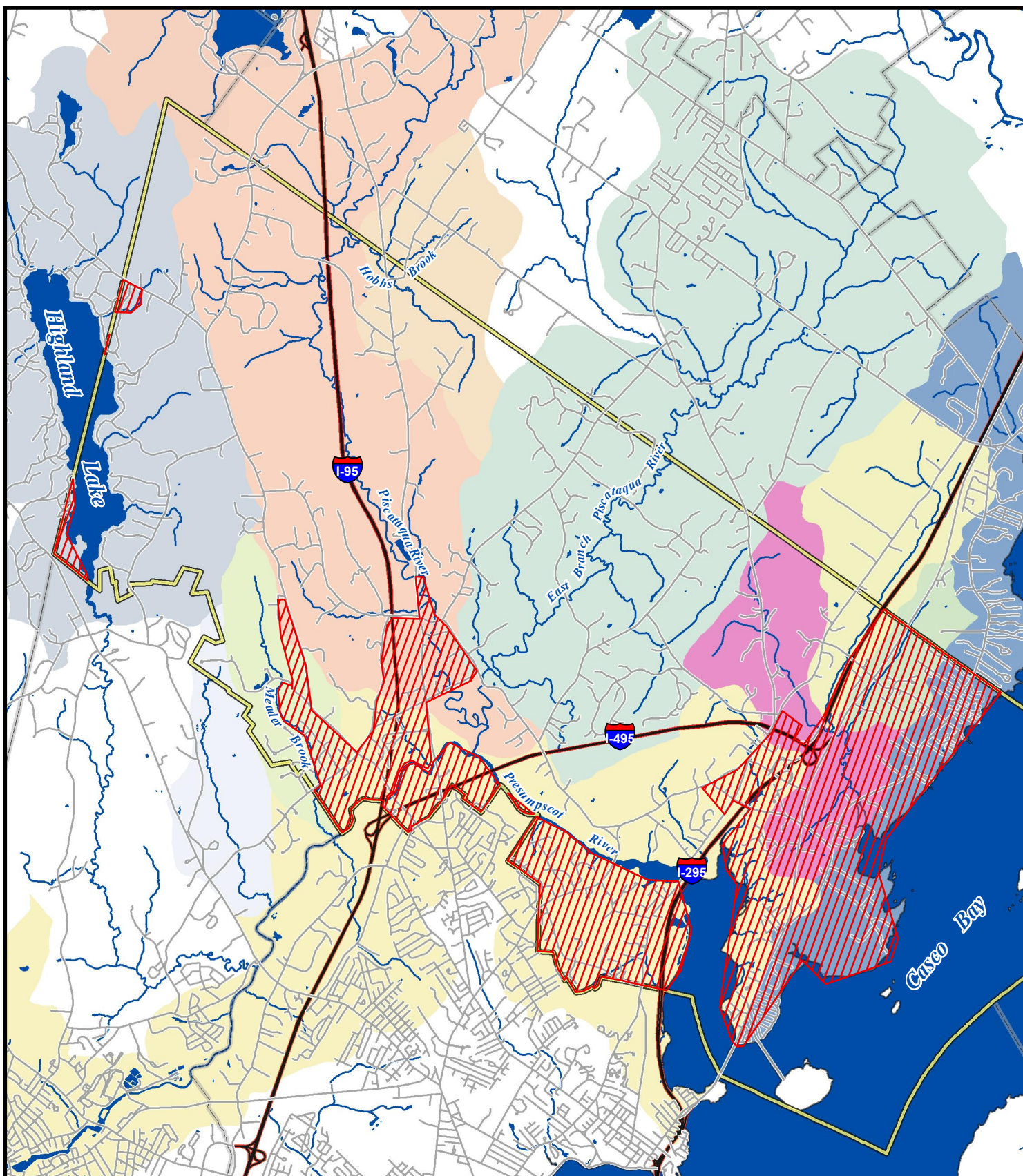
Location Map
Falmouth, Maine

PROJ NO: 11299A DATE: Oct 2008

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE:

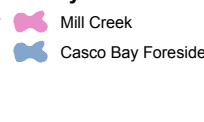
2.1



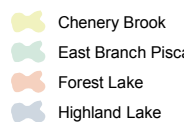
Legend:



Priority Watersheds

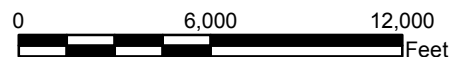


Other Watersheds



Source:

Roads provided by MEGIS. Watershed data from CCSWCD. Census (2000) data from US Census Bureau.



Stormwater Phase II
Stormwater Program Management Plan

Urbanized Area/Priority Watersheds
Falmouth, Maine

PROJ NO: 11299A DATE: Oct 2008

WRIGHT-PIERCE
Engineering a Better Environment

FIGURE:

2.2

SECTION 3

MINIMUM CONTROL MEASURES

MCM 1 PUBLIC EDUCATION AND OUTREACH

The permittee will fulfill the requirements for Public Education and Outreach through participation in the Interlocal Stormwater Working Group (ISWG) and the permittee's provision of funding to the ISWG for Public Education and Outreach services, as described in this section of the Plan.

Goals:

1. To raise awareness that polluted stormwater runoff is the most significant source of water quality problems for Maine's waters;
2. To motivate people to use BMPs which reduce polluted stormwater runoff ; and
3. To reduce polluted stormwater runoff as a result of increased awareness and utilization of BMPs.

For specific permit requirements and suggestions, refer to DEP's General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems Part IV(H)(1).

BMP 1.1 Continue Awareness Outreach Efforts from the Previous MS4 Permit Cycle.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works in cooperation with ISWG Education Coordinator.

Measurable Goal 1.1.1: In Permit Year 1, the ISWG will continue to provide a thinkblumaine.org link on their individual municipal websites to raise awareness of stormwater issues.

Measurable Goal 1.1.2: In Permit Year 1, the ISWG will continue to use the ThinkBlueMaine ducky logos in all YardScaping materials to reinforce the connection between lawn care activities and stormwater issues.

Measurable Goal 1.1.3: In Permit Year 1, the ISWG will continue to provide informational material in municipal buildings to raise awareness of stormwater issues.

Reporting: The Permit Year 1 annual report will include the documentation of available stormwater information on municipal website and list of display materials (fact sheets, brochures, display board) and location(s).

BMP 1.2 Work with existing partners and seek out partners to help raise awareness of stormwater issues.

Responsible party: ISWG Education Coordinator

Measurable Goal 1.2.1: During Permit Year 1, partner with ThinkBlueMaine, Casco Bay

Estuary Partnership, Maine Board of Pesticide Control, DEP and UMaine Cooperative Extension.

Measurable Goal 1.2.2: By the end of Permit Year 2, investigate potential partnerships with organizations identified in the Awareness Plan (to be developed in Permit Year 1 under BMP 1.3).

Reporting: The annual report will list partners and cooperative activities that resulted in the dissemination of stormwater awareness messages.

BMP 1.3 Develop and implement Stormwater Awareness Plan.

Responsible Party: ISWG Education Coordinator

Measureable Goal 1.3.1: In Permit Year 1, assess or utilize existing assessments of the target audience to document baseline level of awareness by which the implementation of the Awareness Plan can be measured.

Measureable Goal 1.3.2: By March 2, 2009 submit a plan to raise awareness of stormwater issues such as the path stormwater runoff takes, sources of stormwater pollution, and the impact that polluted stormwater runoff has in the community(s). The Awareness Plan will identify:

- a) the target audience
- b) the outreach tool(s) to be used
- c) the message
- d) the distribution system
- e) the time line and implementation schedule
- f) the person(s) responsible for implementation
- g) an impact evaluation protocol
- h) a plan modification protocol (this must include DEP approval of significant plan modifications)
- i) the goals (e.g., the targeted level of change sought as a result of the education and outreach effort; specific measurable goals for plan implementation)

Measurable Goal 1.3.3: Unless DEP responds in writing or verbally otherwise, then as of July 1, 2009 the Awareness Plan is considered approved and implementation of the Awareness Plan will begin, including annual evaluations of process indicators and Permit Year 3 and 5 evaluations of both process and impact indicators as identified in the approved Awareness Plan.

Reporting: The Permit Year 1 annual report will document the target audience baseline level of awareness, the date that the draft and final Awareness Plan(s) were submitted to DEP, when the Awareness Plan was approved, and significant milestones to be reported in the remaining permit years. The Permit Years 2 and 4 annual reports will provide the status on the implementation of the Awareness Plan and process indicators; making sure to cover significant milestones and any changes made to the Awareness Plan. The Permit Year 3 annual report will include a cursory evaluation and assessment on both the progress of implementing the Awareness Plan as well as the impact the efforts are having on the target

audience. The Permit Year 5 annual report will provide an in-depth assessment of both the implementation and impact of the Awareness Plan.

Overall Schedule for Raising Awareness:

- Permit Year 1:* By March 2, 2009, the Awareness Plan will be submitted to the DEP for approval. By the end of Permit Year 1, the Awareness Plan will be approved and ready for implementation.
- Permit Year 2:* Implement the Awareness Plan and report process indicators.
- Permit Year 3:* Continue implementation, conduct cursory impact indicator evaluation and report both impact and process indicators.
- Permit Year 4:* Continue implementation and report process indicators.
- Permit Year 5:* Continue implementation, conduct impact indicator evaluation, and do an in-depth 5-year assessment of the Awareness Plan including both impact and process indicators.

BMP 1.4 Continue Targeted Best Management Practices Adoption efforts from previous MS4 permit cycle.

Responsible party: ISWG Education Coordinator

Measureable Goal 1.4.1: In Permit Year 1, the ISWG will continue to refine YardScaping materials, as needed, based on either new research or feedback from users; offer YardScaping Adult Education classes to change lawn care practices and build local support for implementation of YardScaping practices; and develop and streamline the Point of Sale lawn care education program by incorporating lessons learned, developing new or refining existing promotional materials, offering YardScaping classes at Point of Sale locations, refining tracking methods for products and promotional materials, and building local networks for dissemination of YardScaping materials.

Reporting: The annual report will provide a list of events or occasions where ISWG provided YardScaping information or education, the MS4 audience, the number of people contacted, the date, and, where applicable, the number of people who planned to implement changes in their lawn care practices. The annual report will also include evaluation (anecdotal or documented) as well as lessons learned.

BMP 1.5 Develop and implement BMP Adoption Plan.

Responsible party: ISWG Education Coordinator

Measureable Goal 1.5.1: In Permit Year 1, assess or utilize existing assessments of the target audience to document baseline level of action by which the implementation of the BMP Adoption Plan can be measured.

Measureable Goal 1.5.2: By March 2, 2009 submit a plan to encourage targeted audience to adopt or practice specific BMPs that will reduce stormwater pollution. The BMP Adoption Plan will include:

- a) the BMP
- b) the target audience

- c) the outreach tool(s) to be used
- d) the message
- e) the distribution system
- f) the time line
- g) the person(s) responsible for implementation
- h) an impact evaluation protocol
- i) a plan modification protocol
- j) the targeted level of change as a result of the outreach effort (specific measurable goals for plan implementation)

Measurable Goal 1.5.3: Unless DEP responds in writing or verbally otherwise, then as of July 1, 2009 the BMP Adoption Plan is considered approved and implementation of the BMP Adoption Plan will begin, including annual evaluations of process indicators and Permit Year 3 and 5 evaluations of both process and impact indicators as identified in the approved BMP Adoption Plan.

Reporting: The Permit Year 1 annual report will document the target audience baseline, the date that the draft and final BMP Adoption Plan(s) were submitted to DEP, when the BMP Adoption Plan was approved, and significant milestones to be reported in the remaining permit years. The Permit Years 2 and 4 annual reports will provide the status on the implementation of the BMP Adoption Plan and process indicators; making sure to cover significant milestones and any changes made to the BMP Adoption Plan. The Permit Year 3 annual report will include a cursory evaluation and assessment on both the progress of implementing the BMP Adoption Plan as well as the impact the efforts are having on the target audience. The Permit Year 5 annual report will provide an in-depth assessment of both the implementation and impact of the BMP Adoption Plan.

Overall Schedule for Targeted BMP Adoption:

- Permit Year 1:* By March 2, 2009, the BMP Adoption Plan will be submitted to the DEP for approval. By the end of Permit Year 1, the Plan will be approved and ready for implementation.
- Permit Year 2:* Implement the BMP Adoption Plan and report process indicators.
- Permit Year 3:* Continue implementation, conduct cursory impact indicator evaluation and report both impact and process indicators.
- Permit Year 4:* Continue implementation and report process indicators.
- Permit Year 5:* Continue implementation, conduct impact indicator evaluation and do an in-depth 5-year assessment of the BMP Adoption Plan including both impact and process indicators.

BMP 1.6 School Outreach.

Responsible party: ISWG Education Coordinator

Measurable Goal 1.6.1: In Permit Year 1, continue the incorporation and implementation of “It’s all connected” school curriculum in elementary and/or middle schools.

Measurable Goal 1.6.2: In Permit Years 2-5, as funding permits, continue the

incorporation and implementation of “It’s all connected” school curriculum in elementary and/or middle schools.

Reporting: The annual report will include the total number of students reached, which schools were involved, and the lesson topics that were covered.

MCM 2 PUBLIC INVOLVEMENT AND PARTICIPATION

The permittee will fulfill the requirements for Public Involvement and Participation through participation in the Interlocal Stormwater Working Group (ISWG) and the permittee’s provision of funding to the ISWG for Public Involvement and Participation services, or through directly fulfilling the requirements, as described in this section of the Plan.

Goals:

1. Involve the public in both the planning and implementation process of improving water quality and reducing quantity via the stormwater program.

For specific permit requirements and suggestions, refer to DEP's General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems Part IV(H)(2).

BMP 2.1 Public Notice Requirement.

Responsible party: ISWG Stormwater Program Coordinator or Jay Reynolds, Assistant Director of Parks and Public Works

Measureable Goal 2.1.1: ISWG and/or its members will follow state and local Public Notice requirements for both ISWG and individual Stormwater Program Management Plans. Copies of the plans will be made available on the DEP website.

Measureable Goal 2.1.2: ISWG and/or its members will follow state and local Public Notice requirements when involving stakeholders in the implementation of the General Permit.

Reporting: The annual report will describe compliance with public notice requirements including documentation of meetings and attendance, where applicable.

BMP 2.2 Host Public Event.

Responsible Party: ISWG Education Coordinator or to be determined

Measurable Goal 2.2.1: ISWG and/or permittee will annually host/conduct or participate in at least one public event such as storm drain stenciling, stream clean-up, household hazardous waste collection day, volunteer monitoring, neighborhood educational events, conservation commission outreach program, Urban Impaired Stream outreach program, or adopt a storm drain or local stream program. The target audience will be a segment of the urbanized area population that the

permittee wishes to reach. The ISWG and/or permittee will consult with DEP to ensure the event will satisfy the requirements.

Reporting: The annual report will include a description of the event including estimated attendance/participation and an impact evaluation to assess effectiveness of the methods used to plan and host the event.

MCM 3 ILLICIT DISCHARGE DETECTION AND ELIMINATION (IDDE)

Goals:

1. Develop a watershed based storm sewer system infrastructure map;
2. Implement and enforce a non-stormwater discharge ordinance;
3. Develop and implement a prioritized dry weather outfall inspection plan; and
4. Develop and implement a strategy to detect any illicit discharges to the open ditch system within the highest priority watershed.

For specific permit requirements and suggestions, refer to DEP's General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems Part IV(H)(3).

BMP 3.1 Develop a watershed based storm sewer system infrastructure map.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measureable Goal 3.1.1: In Permit Year 1, at a minimum, the permittee will review their current storm sewer system map as well as existing infrastructure maps for storm sewer infrastructure and revise and/or incorporate relevant data as necessary.

Measureable Goal 3.1.2: By the end of Permit Year 1, the permittee will develop a schedule of targeted mapping percentages to be accomplished each permit year, including a target schedule for mapping in the permittee's highest priority watershed.

Measureable Goal 3.1.3: By the end of the Permit Year 5, the permittee will develop a watershed based storm sewer system infrastructure map showing the location of all stormwater catch basins, connecting surface and subsurface infrastructure depicting the direction of in-flow and out-flow pipes, and the locations of all discharges from all stormwater outfalls operated by the permittee.

Each catch basin will be uniquely identified to facilitate control of potential illicit discharges, and to ensure proper operation and maintenance of the structures. For each outfall, the following information will be included: type, material, and size of conveyance; outfall or channelized flow (e.g. 24" concrete pipe); and the name and location of the immediate surface waterbody or wetland to which the stormwater runoff discharges (or, if an outfall does not discharge directly to a named waterbody, the name and location of the nearest named waterbody to which the outfall eventually discharges.)

Reporting: The annual report will include a status update of mapping efforts undertaken during the Permit Year.

BMP 3.2 Non-stormwater discharge ordinance.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measureable Goal 3.2.1: In Permit Years 1-5, the permittee will continue to enforce the Non-Stormwater Discharge Ordinance.

Measureable Goal 3.2.2: By the end of Permit Year 5, the permittee will utilize their GIS mapping capabilities to map illicit discharges that have been identified and removed since the adoption of the Non-Stormwater Discharge Ordinance including those identified and removed during the first permit cycle. Such mapping will assist in the assessment and prioritization of areas to target future IDDE efforts.

Reporting: The annual report will include documentation of illicit discharge incidents and municipal enforcement actions taken under the Non-Stormwater Discharge Ordinance. A status update on the mapping of illicit discharges will also be included in the annual report, as applicable.

BMP 3.3 Develop dry weather outfall inspection program.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measureable Goal 3.3.1: During Permit Year 1, the permittee will further delineate/refine the boundaries of their priority watershed, as necessary. By December 29, 2008, the permittee will delineate the subwatersheds within the highest priority watershed, and determine the two highest priority subwatersheds.

Measureable Goal 3.3.2: During Permit Year 1, the permittee will develop or modify a standard operating procedure (SOP) for a dry weather outfall inspection program. The SOP will include inspection forms and a policy/procedure or protocol that identifies the steps that must be taken when an illicit discharge is encountered during routine and opportunistic inspections.

Measureable Goal 3.3.3: During Permit Year 1, the permittee will develop or modify an existing data collection system to document the dry weather inspections.

Measureable Goal 3.3.4: During Permit Year 1, the permittee will train inspectors on how to conduct and record dry weather inspections.

Measureable Goal 3.3.5: By the end of Permit Year 1, the permittee will conduct dry weather outfall inspections in the two highest priority sub-watersheds.

Measureable Goal 3.3.6: In Permit Years 2-5, the permittee will conduct dry weather outfall inspections in additional sub-watersheds within the two highest priority watersheds, such that by Permit Year 5, inspections have been conducted in all subwatersheds of the highest priority watershed, and in one or more subwatersheds of the second highest priority watershed. The permittee will document and make use of opportunistic inspections.

Reporting: Inspection results will be documented in a database management system or other recordkeeping system. The annual report will provide a summary of the

inspection results.

BMP 3.4 Open ditch illicit discharge program.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measureable Goal 3.4.1: By the end of Permit Year 2, the permittee will identify the approximate length of open ditch that is located with their highest priority watershed.

Measureable Goal 3.4.2: During Permit Years 3-5, the permittee will develop a strategy for detecting illicit discharges in their open ditch system within their highest priority watershed.

Measureable Goal 3.4.3: By the end of Permit Year 5, to the extent allowable under State or local law, the permittee will implement a strategy for detecting illicit discharges within their open ditch system in their highest priority watershed.

Reporting: The annual report will include a status update on the development and implementation of the open ditch illicit discharge program, including a description of the strategy to be employed, once developed. Reporting of illicit discharge detections and actions taken will be included under MCM 3, BMP 3.2, Non-Stormwater Discharge Ordinance.

BMP 3.5 Household hazardous waste collection.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measureable Goal 3.5.1: In Permit Years 2-5, as funding allows, the permittee will provide a reasonable means for residents to dispose of hazardous materials by continuing to accept a variety of Household Hazardous, Universal, and e-Waste at the Falmouth Transfer Station on a daily basis.

Reporting: The annual report will provide a summary of the type of waste collected as well as the quantity collected for the most recent calendar year.

MCM 4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Goals:

1. Develop, implement, and enforce a program, to reduce pollutants in any stormwater runoff to the regulated small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre.

For specific permit requirements and suggestions, refer to DEP's General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems Part IV(H)(4).

Per General Permit Part IV(H)(4a), the permittee will rely on the Maine Construction General Permit or Chapter 500, Stormwater Management.

BMP 4.1 Notification to construction site developers and operators of the requirements for registration under the Maine Construction General Permit or Chapter 500, Stormwater Management for the discharge of stormwater associated with construction activities.

Responsible Party: Amanda Stearns, Community Development Director

Measurable Goal 4.1.1: During Permit Year 1, continue notification procedures currently in place through the permitting process. Notification includes the building permit and a supplemental brochure highlighting several permitting requirements including the Maine Construction General Permit. Additional notification occurs during the site plan/subdivision review process.

Measureable Goal 4.1.2: By the end of Permit Year 1, evaluate current system and modify, if necessary.

Reporting: The annual report will include a description of any updates made to the notification procedures.

BMP 4.2 Develop and implement a mechanism to annually document every construction activity that disturbs one or more acres on a town-wide basis.

Responsible party: Amanda Stearns, Community Development Director

Measurable Goal 4.2.1: In Permit Year 1, modify the current tracking system to record every activity that disturbs greater than or equal to one acre. This system will track and differentiate construction activities within the priority watershed(s) and all other watersheds. The system will be used to summarize data to be included in annual reports submitted to the DEP.

Reporting: The number of construction activities disturbing greater than or equal to one acre will be included under MCM 4, BMP 4.3, Develop and implement a construction site inspection program.

BMP 4.3 Develop and implement a construction site inspection program.

Responsible party: Amanda Stearns, Community Development Director

Measurable Goal 4.3.1: By the end of Permit Year 1, the permittee will modify, as necessary, the current procedure for construction site inspections to meet the terms and conditions of the General Permit. Inspections will be performed by either a municipal official and/or a contracted third party.

Measurable Goal 4.3.2: By the end of Permit Year 1, the permittee will develop a standardized inspection form to ensure documentation of all required inspections.

Measurable Goal 4.3.3: By the end of Permit Year 2, the permittee will develop a process for tracking and notifying the site developer or contractor of noncompliance issues. For sites that are not in compliance, the inspector(s) will provide site operators with guidance on how to come into compliance. Sites that are not brought into compliance within the inspector's specified time period shall

be issued a written notice of deficiencies. Continued non-compliance will be reported to the DEP with supporting documentation.

Measurable Goal 4.3.4: By the end of Permit Year 2, the permittee will develop and implement, as needed, a training program for municipal inspectors.

Measurable Goal 4.3.5: During Permit Years 1-5, the permittee will inspect construction sites located in their highest priority watershed a minimum of three times, and will inspect construction sites located in all other watersheds a minimum of two times. For all construction sites, at least one of the required inspections will be at project completion.

Reporting: Inspection results will be documented in a database management system or other recordkeeping system. The annual report will provide a summary of the inspection results.

MCM 5 POST-CONSTRUCTION STORMWATER MANAGEMENT IN DEVELOPMENT AND REDEVELOPMENT

Goals:

1. Develop a program to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the permittee's MS4;
2. Implement an ordinance or similar measure to ensure adequate long-term operation and maintenance of post-construction BMPs;
3. Ensure post-construction BMPs are functioning as intended; and
4. Document and report annually to the DEP all applicable post-construction related information.

For specific permit requirements and suggestions, refer to DEP's General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems Part IV(H)(5).

BMP 5.1 Implement ordinance or similar measure.

Responsible Party: Amanda Stearns, Community Development Director

Measurable Goal 5.1.1: Evaluate the reliance on Chapter 500 or local post-construction requirements. In Permit Year 1, the ISWG members will determine if they will rely on the State permit process (Chapter 500) for the installation of post-construction BMPs.

Measurable Goal 5.1.2: In Permit Year 1, the permittee will adapt the model post-construction ordinance or develop another DEP approved measure to meet its desired format.

Measurable Goal 5.1.3: By the end of Permit Year 1, the permittee will enact a post-construction discharge ordinance or other DEP approved measure that ensures long-term operation and maintenance of post-construction BMPs.

Measurable Goal 5.1.4: In Permit Years 2-5, the permittee will implement the post-construction ordinance or other DEP approved measure.

Reporting: The annual report will provide the status of implementation of the post-construction ordinance or other DEP approved measure.

BMP 5.2 Develop and implement a method to track post-construction BMPs that are installed within the Urbanized Area, and develop and implement a system to track annual certifications that are required by the owner or operator of the post-construction BMP(s).

Responsible Party: Amanda Stearns, Community Development Director

Measurable Goal 5.2.1: Within one year of the post-construction ordinance or other DEP approved measure adoption, the permittee will develop a method to track post-construction BMPs that are installed, including a system to track annual certifications that are required by the owner or operator of the post-construction BMP(s).

Measurable Goal 5.2.2: In Permit Years 3-5, the permittee will continue to implement the method of tracking, will conduct yearly evaluations of the method, and modify as necessary.

Reporting: In Permit Years 1-2, the annual report will include a status update on the development of the method of tracking post-construction BMPs and annual certifications.

In Permit Years 3-5, documentation of all BMPs and annual certifications will be entered into a database management system or other recordkeeping system for tracking and annual reporting to DEP. The following information will be included in the permittee's annual report to the DEP:

- The cumulative number of sites that have post-construction BMPs discharging into the permittee's MS4.
- A summary of the number of sites that have post-construction BMPs discharging into the permittee's MS4 that were reported to the municipality.
- The number of sites with documented functioning post-construction BMPs.
- The number of sites that required routine maintenance or remedial action to ensure that the post-construction BMP were functioning as intended.

BMP 5.3 This BMP is dependant on the language contained in the post-construction ordinance or other DEP approved measure, such that, if:

- (a) **the language is adopted requiring owners and operators of post-construction BMP(s) to hire a qualified, third-party inspector to document that post-construction BMP(s) are either adequately maintained and functioning as intended or require maintenance, the permittee will have no inspection requirements under the General Permit, and this BMP will be omitted from the Plan.**

However, if:

- (b) the language is adopted such that it does not specify the requirement of hiring a qualified, third-party inspector, the permittee will develop and implement an inspection program to annually inspect a percentage of post-construction BMPs to ensure that owners and operations of post-construction BMPs are accurately documenting whether post-construction BMPs are being adequately maintained and functioning as intended or require maintenance. This inspection program will only encompass post-construction BMPs that are located in the urbanized area of the direct watershed of a lake most at risk from new development (Highland Lake). Inspections will be conducted as per the inspection schedule outlined in Part IV(H)(5.a.iii) of the General Permit.**

Responsible Party: Amanda Stearns, Community Development Director

- (b) Measurable Goal 5.3.1:* Within one year of the adoption of the post-construction ordinance or other DEP approved measure, the permittee will develop an inspection program, including procedures, protocols, forms, recordkeeping, and training.
- (b) Measurable Goal 5.3.2:* In Permit Years 3-5, the permittee will implement the inspection program and document all inspection results. The permittee will also conduct yearly evaluations of the inspection program and modify, as necessary.
- (b) Reporting:* Documentation of all inspections will be entered into a database management system or other recordkeeping system for tracking and annual reporting to DEP. Statewide inspection forms are being developed and implemented in 2008 to facilitate consistency of data collection and to maximize the efficiency of the data management system.

BMP 5.4 Promote existing strategies.

Responsible Party: Amanda Stearns, Community Development Director

Measurable Goal 5.4.1: The permittee will continue to promote Conservation Subdivisions as the preferred form of development within the Resource Conservation Zoning Overlay (RCZO) District in an effort to promote and require low impact development within the Town of Falmouth.

Reporting: The annual report will provide a status update, as applicable.

MCM 6 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Goals:

Prevent or reduce pollutant runoff from municipal operations by:

1. Developing an inventory of all municipal operations conducted in, on, or associated with facilities, buildings, golf courses, cemeteries, parks and open space owned or operated by regulated MS4s that have the potential to cause or contribute to stormwater or surface

water pollution.

- a. Developing and implementing written operation and maintenance procedures based on the inventory described above that includes maintenance schedules and inspection procedures to ensure long-term operation of structural and non-structural controls that reduce stormwater pollution to the maximum extent practicable.
2. Conducting employee training.
3. Developing a program to sweep all publicly accepted paved streets and publicly owned paved parking lots.
4. Developing a program to evaluation, and if necessary, clean catch basins and other stormwater structures that accumulate sediment.
5. Evaluating and implementing a prioritized schedule, as necessary, for repairing or upgrading the MS4.
6. Developing a stormwater pollution prevention plan which will outline sources of potential stormwater pollutants and the methods by which these pollutants will be reduced or prevented from entering Waters of the State.

For specific permit requirements and suggestions, refer to DEP's General Permit for the Discharge of Stormwater from Small Municipal or State or Federally Owned Municipal Separate Storm Sewer Systems Part IV(H)(6).

BMP 6.1 Operations at municipally owned grounds and facilities.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measurable Goal 6.1.1: By the end of Permit Year 1, the permittee will develop an inventory of all municipal operations conducted in, on, or associated with facilities, buildings, golf courses, cemeteries, parks and open space owned or operated by the permittee that have the potential to cause or contribute to stormwater or surface water pollution.

Measurable Goal 6.1.2: By the end of Permit Year 2, the permittee will develop and implement written operation and maintenance (O&M) procedures that include maintenance schedules and inspection procedures to ensure long-term operation of structural and non-structural controls that reduce stormwater pollution to the maximum extent practicable for its highest priority watershed.

As per Part IV(H)(6.a.i) of the General Permit, the O&M procedures will address, as applicable:

- Proper use, storage, and disposal of petroleum and non petroleum products, hazardous materials, waste materials, pesticides and fertilizers, including minimizing the use of these products and an alternative product analysis;
- Spill response and prevention;
- Vehicle and equipment storage, maintenance, and fueling;
- Amount of deicing materials used each deicing season;
- Landscaping and lawn care, including, where applicable, an evaluation of reduced mowing frequencies, establishing and maintaining buffers, and

cutting vegetation within 100 feet of a stormwater conveyance or surface water;

- Erosion and sedimentation control;
- Feeding gulls, waterfowl or other wildlife.

Measurable Goal 6.1.3: By the end of Permit Year 3, the permittee will develop and implement O&M procedures for the remaining watersheds within the Urbanized Area.

Reporting: The annual report will include a status update on the development of the inventory and the development and implementation of the O&M procedures.

BMP 6.2 Municipal employee training.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measurable Goal 6.2.1: By end of Permit Year 3, identify training needs and materials.

Measurable Goal 6.2.2: During Permit Years 4 and 5, implement municipal employee training program to reduce stormwater pollution potential from municipal operations. Topics to be covered by the training program may include, but not be limited to:

- a. Maintenance activities, maintenance schedules, and long-term inspection procedures for structural and non-structural stormwater controls to reduce pollutants discharged from the separate storm sewers.
- b. Controls for reducing or eliminating the discharge of pollutants into the separate storm sewers from streets, roads, highways, municipal parking lots, maintenance and storage yards, fleet or maintenance shops with outdoor storage areas, salt/sand storage locations, snow disposal areas, and waste transfer stations.
- c. Procedures for disposing of waste removed from the separate storm sewers and areas listed above in accordance with all regulatory requirements (such as dredge spoil, accumulated sediments, floatables, and other debris).

Reporting: The annual report will include a status update on the development of the training program, and will include a list of the types of training, the number of staff receiving training, the length of the training, and the effectiveness of the training.

BMP 6.3 Street sweeping.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measurable Goal 6.3.1: Each permit year the permittee will continue or modify, a program to sweep all publicly accepted paved streets and publicly owned paved parking lots maintained by the permittee at least once a year as soon as possible after snowmelt.

Reporting: The annual report will include a status update on street sweeping.

BMP 6.4 Cleaning of stormwater structures including catch basins.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measurable Goal 6.4.1: Each permit year the permittee will continue or modify, a program to evaluate and, if necessary, clean catch basins and other stormwater structures that accumulate sediment at least once every other year and dispose of the removed sediments in accordance with current state law. The permittee will clean catch basins more frequently, if inspections indicate excessive accumulation of sediment. Excessive accumulation is considered to be greater than or equal to 50 percent filled.

Reporting: The annual report will include a status update on cleaning of stormwater structures.

BMP 6.5 Maintenance and upgrading of stormwater conveyances and outfalls.

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measurable Goal 6.5.1: During Permit Years 1, the permittee will continue to maintain and upgrade the conveyances, structures, and outfalls of the permittee's MS4 as needed or as part of their capital improvement plan.

Measurable Goal 6.5.2: During Permit Years 2-5, the permittee will evaluate and implement a prioritized schedule, as necessary, for repairing or upgrading the conveyances, structures and outfalls of the permittee's MS4.

Reporting: The annual report will include a status update on the maintenance and upgrading of stormwater conveyances, structures, and outfalls.

BMP 6.6 Stormwater Pollution Prevention Plans (SWPPPs).

Responsible Party: Jay Reynolds, Assistant Director of Parks and Public Works

Measurable Goal 6.6.1: In Permit Year 1, the permittee will inventory all public works facilities, transfer stations, and school bus maintenance facilities operated by the permittee within the urbanized area, with the exception of any facilities regulated under Maine's Industrial Stormwater Program, and determine which facilities have existing SWPPPs.


Measurable Goal 6.6.2: By the end of Permit Year 2, the permittee will develop and implement a SWPPP for each applicable facility as determined under Measurable Goal 6.6.1. In Permit Years 3-5, the permittee will continue to implement its facility SWPPP(s). The permittee will collaborate with DEP on developing a training program to provide to municipal facility staff informing them on the requirements of the SWPPP, and how to effectively implement it.

Reporting: The annual report will include a status update on the development of the SWPPP(s).

SECTION 4
GENERAL REQUIREMENTS

SECTION 4.1 REQUIRED SIGNATURE

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

Signature:  Date: November 14, 2008
Nathan Poore

Title: Town Manager
Town Manager

SECTION 4.2 PLAN AVAILABILITY

This Plan will be retained by the permittee's chief elected official or principal executive officer for the duration of the permit period, and copies will be available and retained by municipal officials or employees responsible for implementation of the Plan. The permittee will make a copy of the Plan available to the following, immediately upon request:

- a. The Commissioner of the DEP;
- b. The operator of a regulated small MS4, in the case of that regulated small MS4 is adjacent to or interconnected with the permittee's storm sewer system; and
- c. The public water supply company, in the case of a regulated small MS4 stormwater discharge to a water supply watershed.

APPENDIX

Notice of Intent

NOTICE OF INTENT TO COMPLY WITH MAINE GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS

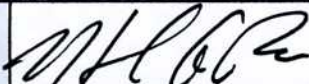
PLEASE TYPE OR PRINT IN BLACK INK ONLY

| | | | | | |
|--|--|---|--|-----------|-------|
| Municipality: | Town of Falmouth | Mailing Address: | 271 Falmouth Road | | |
| Town/City: | Falmouth | State: | Maine | Zip Code: | 04105 |
| Name and title of chief elected official or principal executive officer: | Nathan Poore Town Manager | Mailing Address: | 271 Falmouth Road | | |
| Town/City: | Falmouth | State: | Maine | Zip Code: | 04105 |
| Name of primary contact person responsible for MS4 stormwater management program: | Jay Reynolds Assistant Director of Parks and Public Works | Mailing Address: | 101 Woods Road | | |
| Town/City: | Falmouth | State: | Maine | Zip Code: | 04105 |
| Daytime phone: (with area code) | 207-781-3919 | Email if available: | jreynolds@town.falmouth.me.us | | |
| Estimate of the area in square miles of the Urbanized Area: | 7 | Prior DEP Permit Number(if applicable): | MER04123 | | |
| Name of stream(s), wetland(s) or waterbody(ies) to which the regulated Small MS4 discharges and a list of impaired waterbody(s) which receive stormwater from the Regulated Small MS4 (attach additional sheets as necessary): | Casco Bay, Presumpscot River, Mill Creek, Norton Brook, Piscataqua River, Meader Brook | | | | |
| No impaired waterbodies that receive stormwater from Falmouth's MS4. | | | | | |
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I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement knowingly made in the submitted information may be punishable as a criminal offense, in accordance with Maine General Statutes.

I certify that this permit registration is on complete and accurate forms as prescribed by the Department without alteration of the text.

I also certify under penalty of law that I have read and understand all requirements of the General Permit. I certify that all requirements for authorization under the general permit are met and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit for the municipality. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements.

| | | | |
|---|---|-------|--------|
| Signature of chief elected official or principal executive officer: |  | Date: | 6-9-08 |
|---|---|-------|--------|

This NOI registration form must be filed with the Department at the following address:

Stormwater Coordinator
Maine Department of Environmental Protection
Bureau of Land & Water Quality
17 State House Station
Augusta ME 04333-0017

| | | | | | |
|-----------------|------|------|-----------|-----------|--------------|
| OFFICE USE ONLY | Ck.# | Date | Staff | Staff | After Photos |
| NOI # | FP | | Acc. Date | Def. Date | |