

City of Auburn, Maine

"Maine's City of Opportunity"
Office of the City Manager



September 8, 2014

Bureau of Land and Water Quality
Department of Environmental Protection
Attn: David Ladd
17 State House Station
Augusta, ME 04333-0017

Dear David:

Enclosed, please find the final report for the first year of the 2013-2018 General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4s) for the Auburn, Lewiston, Lisbon, and Sabattus Stormwater Working Group (Androscoggin Valley Stormwater Working Group).

As the Chief Elected Official or Principal Executive Officer for the above listed municipalities:

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

Sincerely,

Howard Kroll
Assistant City Manager for
Clinton Deschene
City Manager



City of Lewiston Executive Department

EDWARD A. BARRETT
City Administrator

PHIL NADEAU
Assistant City Administrator



September 4, 2014

Bureau of Land and Water Quality
Department of Environmental Protection
Attn: David Ladd
17 State House Station
Augusta ME 04333-0017

Dear David,

Enclosed please find the final report for the first year of the 2013-2018 General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4s) for the Androscoggin Valley Stormwater Working Group.

As the Principal Executive Officer for the City of Lewiston:

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

Any questions or concerns may be directed to Justin Early at 513-3003 ext. 3421 or jeary@lewistonmaine.gov.

Sincerely,

A handwritten signature in blue ink that reads 'Edward A. Barrett'.

Edward A. Barrett, City Administrator

AN EQUAL OPPORTUNITY EMPLOYER

The City of Lewiston is an EOE. For more information, please visit our website @ www.lewistonmaine.gov and click on the Non-Discrimination Policy.

City Hall • 27 Pine St. • Lewiston, ME • 04240 • Voice Tel. 207-513-3000 • Fax 207-784-2959 •
TTY/TDD 207-513-3007 – www.lewistonmaine.gov



Town of Lisbon

Town Manager's Office

300 Lisbon Street – Lisbon, ME 04250
Telephone (207) 353-3000 ext.104 Fax (207) 353-3007
Diane Barnes – Town Manager – dbarnes@lisbonme.org

September 8, 2014

Bureau of Land and Water Quality
Department of Environmental Protection
Attn: David Ladd
17 State House Station
Augusta, ME 04333-0017

Dear David:

Enclosed, please find the final report for the first year of the 2013-2018 General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4s) for the Auburn, Lewiston, Lisbon, and Sabattus Stormwater Working Group (Androscoggin Valley Stormwater Working Group). The following is our certification for components of the report pertaining to Lisbon.

As the Chief Elected Official or Principal Executive Officer for the Town of Lisbon:

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

Sincerely,

Diane Barnes
Town Manager

General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Permit Year One Annual Report

Auburn, Lewiston, Lisbon, and Sabattus (Androscoggin Valley Stormwater Working Group)

9/15/2014

TABLE OF CONTENTS

SECTION	PAGE NO.
1. MCM #1 PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS	1-1
1.1 Raise Awareness of Polluted Stormwater Runoff.....	1-1
1.1.1 Develop or Revise a Plan to Raise Awareness	1-1
1.1.2 Implement Stormwater Awareness Plan.....	1-1
1.1.3 Annual Report Review of Stormwater Awareness Plan.....	1-4
1.1.4 Additional Outreach Activities.....	1-4
1.2 Raise Awareness of Stormwater Pollution and the MS4 Program	1-6
1.2.1 Develop or Revise a Permit Awareness Plan	1-6
1.2.2 Implement Permit Awareness Plan	1-6
1.2.3 Annual Report Review of Permit Awareness Plan.....	1-8
1.3 BMP Adoption Plan	1-9
1.3.1 Develop or Revise BMP Adoption Plan	1-9
1.3.2 Implement Adoption Plan	1-9
1.3.3 Annual Report Review of Adoption Plan.....	1-10
1.4 Priority Watershed Education and Outreach	1-11
1.4.1 Plan to Improve and/or Protect Water Quality in Impaired Watershed	1-11
1.4.2 Implementation of Priority Education.....	1-11
1.4.3 Progress and Results of Priority Watershed Effort	1-11
2. MCM #2 PUBLIC INVOLVEMENT AND PARTICIPATION	2-1
2.1 Public Notice Requirements	2-1
2.2 Public Event	2-2
3. MCM #3 ILLICIT DISCHARGE DETECTION AND ELIMINATION	3-1
3.1 Watershed Based Storm Sewer System Infrastructure Map	3-1
3.2 Develop and Implement a Non-Stormwater Discharge Ordinance.....	3-3
3.3 Develop and Conduct Dry Weather Outfall Inspection	3-5
3.4 Develop and Implement Illicit Discharge Detection Strategy	3-7
3.5 Develop List of Septic Systems	3-8
4. MCM #4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL	4-1
4.1 Notification of Permit Requirements	4-1
4.2 Construction Activity Documentation.....	4-2
4.3 Site Inspections	4-3
5. MCM #5 POST-CONSTRUCTION STORMWATER MANAGEMENT	5-1
5.1 Implement a Post-Construction Discharge Ordinance	5-1
5.2 Annual Inspection of Post-Construction BMPs.....	5-3
5.3 Develop and Implement Notification Procedures	5-4
6. MCM #6 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS.	6-1
6.1 Inventory Municipal Operations Contributing to Stormwater or Surface Water Pollution.....	6-1

6.2	Report of Annual Trainings.....	6-3
6.3	Develop and Implement Annual Cleaning Program	6-5
6.4	Develop and Implement Biannual Sediment Removal Program.....	6-6
6.5	Implement Schedule for Repairs and Upgrades.....	6-7
6.6	Develop and Implement Stormwater Pollution Prevention Plan (SWPPP).....	6-8

MCM #1 Public Education and Outreach on Stormwater Impacts

Raise Awareness of Polluted Stormwater Runoff (*Maine DEP MS4 Permit Part IV.H.1.a.i*)

1. MCM #1 PUBLIC EDUCATION AND OUTREACH ON STORMWATER IMPACTS

1.1 RAISE AWARENESS OF POLLUTED STORMWATER RUNOFF

(Maine DEP MS4 Permit Part IV.H.1.a.i)

The permittee shall continue their outreach efforts from the previous MS4 permit cycle while developing or revising an existing Awareness Plan.

1.1.1 Develop or Revise a Plan to Raise Awareness

Each permittee or stormwater group of which the permittee is a member shall have a new Awareness Plan or revise an existing Plan to raise awareness of stormwater issues for a target audience outside of municipal government. The Plan's goal must be to raise awareness of polluted stormwater runoff issues such as the path stormwater runoff takes, sources of stormwater pollution, and the impact that polluted stormwater runoff has in the community or communities. The permittee shall submit draft Stormwater Awareness Plan to the Department for review and approval. The Stormwater Awareness Plan is considered approved as of February 1, 2014, unless the permittee receives written communication from the Department indicating non-approval.

BMP: *By December 1, 2013, the Androscoggin Valley Stormwater Working Group consisting of the municipalities of Lewiston, Auburn, Sabattus, and Lisbon (AVSWG), will submit a plan to raise awareness for DEP approval.*

Permit Year 1

AVSWG

The Cumberland County Soil & Water Conservation District (CCSWCD) worked with representatives from the four MS4 clusters, including AVSWG, and Maine DEP to revise the Statewide Awareness Plan developed under the 2008 permit. The Plan was submitted to Maine DEP on December 16, 2013. The revised Plan was submitted on January 10, 2014 and notice of plan approval for implementation by Maine's 30 regulated small MS4 communities was received on January 15, 2014. The AVSWG will utilize this Plan.

1.1.2 Implement Stormwater Awareness Plan

The permittee shall begin implementation of the Stormwater Awareness Plan within one week of its approval.

BMP: *Annually, the AVSWG will implement the statewide awareness plan. In addition to the new plan, the AVSWG will continue successful efforts from the previous MS4 permit cycle, such as:*

- *Lewiston Auburn Water Pollution Control Authority (LAWPCA) will continue to offer educational tours of their facilities;*
- *The Auburn Water & Sewer District will continue to implement school outreach;*
- *The AVSWG will continue to cooperate with and assist the Androscoggin Valley Soil and Water Conservation District (AVSWCD) on yardscaping programming;*
- *AVSWG will continue to utilize the informational posters developed in the previous MS4 permit cycle; posters utilized include the ThinkBlue Maine "Follow the Flow" poster, "mowing high"*

MCM #1 Public Education and Outreach on Stormwater Impacts

Raise Awareness of Polluted Stormwater Runoff (Maine DEP MS4 Permit Part IV.H.1.a.i)

and “let the clippings lie” to maintain yard and stormwater quality, and “only rain down the storm drain”; and,

- *Opportunistic distribution of handouts and flyers including “Sweeping Up the Savings”, which explains the importance of street sweeping to water quality and a clean community.*

Permit Year 1

AVSWG

The Permit Year 1 goals of the Stormwater Awareness Plan were to:

- *Conduct an awareness media campaign utilizing television and online advertising; and*
- *To promote and participate in a local public event.*

These tasks were completed as follows:

- *Television advertising:*

CCSWCD coordinated a television and online media campaign through Time Warner Cable on behalf of AVSWG. The ducky and devil ducky ads ran two weeks per month from March through June 2014. The ads were shown on cable television stations most likely to reach the target audience (e.g. HGTV, The Weather Channel, ESPN, Fox News, DIY).

The following television campaign data were provided by Time Warner Cable:

<i>Television Airplay</i>			<i>Est. Reach¹</i>	<i>Est. Frequency²</i>
<i>Ducky</i>	<i>Devil Ducky</i>	<i>Total</i>		
<i>696</i>	<i>1136</i>	<i>1832</i>	<i>31.5%</i>	<i>5.1</i>

¹ Reach is the percentage of the target audience that saw the ads.

² Frequency is the number of times the target audience saw the ads.

- *Online advertising:*

CCSWCD developed online ads with a clean water message that directed to www.ThinkBlueMaine.org. Time Warner Cable placed the ads on websites most likely to reach the target audience (e.g. local and national news websites, outdoor-themed sites). The online ad campaign ran continuously from March through June 2014.

The following online campaign data were provided by Time Warner Cable:

Impressions 701,137
Click thru rate 0.04% (on par with national average)

Based on analytical software installed on the Think Blue Maine website, hits during the online media campaign increased 82% over the previous four month period. Between March and June 2014, hits to www.ThinkBlueMaine.org equaled 1,365. Hits between November 2013 and February 2014 equaled 794.

¹ Reach is the percentage of the target audience that saw the ads.

² Frequency is the number of times the target audience saw the ads.

MCM #1 Public Education and Outreach on Stormwater Impacts

Raise Awareness of Polluted Stormwater Runoff (Maine DEP MS4 Permit Part IV.H.1.a.i)

- *Promotion of & Participation in Local Event:*

The AVSWG promoted Public Works Day via school flyers, the City of Auburn website, and facebook. Representatives from the AVSWG municipalities volunteered at the events. Public Works Day was held on May 17, 2014, at the City of Auburn Public Services Garage. A table where children could build water filters and learn about the importance of clean water was displayed at the event, in addition to the yardscaping and “Do Not Dump” posters developed under the previous permit years. The “Sweeping Up The Savings” handout developed under the previous permit year was also provided to attendees. Over 300 residents of the local communities attended the event; despite the rain, this year’s event was deemed considerably more successful than previous years.

In addition to the new plan, the AVSWG has continued successful efforts from the previous MS4 permit cycle, such as the following:

- *The Lewiston-Auburn Water Pollution Control Authority (LAWPCA) continues to implement their Public Education Program, which focuses on protecting water resources, particularly the Androscoggin River, and includes references to Stormwater Pollution. Educational posters and handouts developed by the AVSWG have been provided to LAWPCA, and will be utilized in their education program in future years. This year’s public education efforts consisted of:*
 - *LAWPCA sponsored a team of four to participate in the Urban Runoff 5K in Portland, Maine, on April 26, 2014. LAWPCAs racing team were part of a larger group sponsored by the Maine Water Environment Association (MWEA) that received a prize for having the largest non-profit team running to raise awareness about Stormwater pollution issues.*
 - *LAWPCA sponsors membership in the Maine Water Environment Association and New England Water Environment Association. In addition to offering training and other programs for wastewater collection and treatment plant staff, both are currently supporting legislation and public education to prevent sewer back-ups and sanitary sewer overflows (some of which do end up in stormwater collection systems). Superintendent, Mac Richardson, volunteered to help the Portland Water District and MEWEA inventory types of wipes collected from clogged pumping stations in Portland. This research helps identify the most troublesome types of personal wipes being improperly discharged to sewers.*
 - *LAWPCA advertised the National Drug Take Back program, which took place Spring 2014. This program aims at getting unwanted drugs out of people’s homes, away from kids, and out of wastewater and the water environment.*
 - *LAWPCA provided the following tours in PY1:*
 - *August 9, 2013: New Beginnings Tour (8 youth and 2 or 3 chaperones)*
 - *September 9, 2013: Anaerobic Digestion Project Grand Opening and plant tour*
 - *September 10, 2013: Anaerobic Digestion JETCC training*
 - *December 2, 2013: Lewiston Auburn College Environmental sustainability class tour (20 attendees)*
- *The Auburn Water & Sewerage District continues to implement school outreach and AVSWG continues to stay in contact with the Education and Outreach Manager of the Lake Auburn Watershed Protection Commission regarding school outreach programs and opportunities to promote BMP Adoption. Most recently, the Lake Auburn Watershed Protection Commission has*

MCM #1 Public Education and Outreach on Stormwater Impacts

Raise Awareness of Polluted Stormwater Runoff (Maine DEP MS4 Permit Part IV.H.1.a.i)

been working to coordinate funding for a project where students can construct sensors to deploy in a tributary of a drinking water source and to analyze the impacts from storm events.

- *AVSWG will continue to utilize the informational posters developed in the previous MS4 permit cycle; posters utilized include the ThinkBlue Maine “Follow the Flow” poster, “mowing high” and “let the clippings lie” to maintain yard and stormwater quality, and “only rain down the storm drain”; and,*
- *Handouts and flyers including “Sweeping Up the Savings”, which explain the importance of street sweeping to water quality and a clean community, are available at the Public Works Office and are distributed upon request to the community.*

1.1.3 Annual Report Review of Stormwater Awareness Plan

The permittee shall include a review of the Stormwater Awareness Plan in each of its Annual Reports. The review must include process indicators which assess the permittee’s execution of the Stormwater Awareness Plan. The permittee shall also include impact indicators according to the following schedule unless otherwise indicated in the approved Stormwater Awareness Plan: in permit year three (3), the permittee shall conduct a cursory evaluation and assessment on both the progress of implementing the Stormwater Awareness Plan as well as the impact the efforts are having on the target audience. In permit year five (5) the permittee shall provide an in-depth assessment of both the implementation and the impact of the Stormwater Awareness Plan as part of a comprehensive review to include an analysis of the process indicators and impact indicators.

BMP: *Annually, the AVSWG will provide a review of the Stormwater Awareness Plan in each of its Annual Reports.*

In Permit Year 3, the AVSWG will conduct a cursory assessment on both the progress and impact of implementing the Stormwater Awareness Plan.

In Permit Year 5, the AVSWG will conduct an in-depth assessment of both the implementation and the impact of the Stormwater Awareness Plan via phone survey, or other method, and compare the results of the new survey to those from the Intercept Survey conducted in Permit Year 5 of the previous MS4 Permit cycle.

Permit Year 1

AVSWG

The Cumberland County Soil & Water Conservation District (CCSWCD) worked with representatives from the four MS4 clusters, including AVSWG, and Maine DEP to revise the Statewide Awareness Plan developed under the 2008 permit. The Plan was submitted to Maine DEP on December 16, 2013. The revised Plan was submitted on January 10, 2014 and notice of plan approval for implementation by Maine’s 30 regulated small MS4 communities was received on January 15, 2014. The results of the PY1 tasks are reported and discussed in Section 1.1.2 of this Report.

1.1.4 Additional Outreach Activities

BMP: *During PY 1-5, the City of Lewiston will continue to support the No Name Pond Watershed Association by funding the annual testing and report of the water quality and maintaining the streets and catch basins in the watershed through its sweeping and catch basin cleaning program.*

MCM #1 Public Education and Outreach on Stormwater Impacts

Raise Awareness of Polluted Stormwater Runoff (Maine DEP MS4 Permit Part IV.H.1.a.i)

Permit Year 1

Lewiston

The City of Lewiston funded the annual No Name Pond water quality testing. The testing occurs once a month in June, July, August and September and the report will be finalized this winter. The streets and catch basins in the watershed continue to be a priority and are some of the first to be cleaned each spring.

In November of 2013, The City's Stormwater Coordinator was invited to speak to the sophomore class at Lewiston about impervious surfaces. The presentation included an explanation on what impervious surfaces are and how runoff from impervious surfaces affects stormwater quality.

MCM #1 Public Education and Outreach on Stormwater Impacts

Raise Awareness of Stormwater Pollution and the MS4 Program *(Maine DEP MS4 Permit Part IV.H.1.a.ii)*

1.2 RAISE AWARENESS OF STORMWATER POLLUTION AND THE MS4 PROGRAM

(Maine DEP MS4 Permit Part IV.H.1.a.ii.)

Permittee shall develop and implement an education program aimed at municipal staff, employees or volunteers.

1.2.1 Develop or Revise a Permit Awareness Plan

Each permittee shall have a new Permit Awareness Plan or revise an existing Plan to raise awareness of stormwater issues including MS4 permit requirements for municipal employees, elected officials and volunteers within municipal government. The Permit Awareness Plan's goal is to raise awareness of polluted stormwater runoff such as the sources of stormwater pollution, the path polluted stormwater runoff takes from the pollution source to waters of the State, the impact polluted stormwater runoff has on the community, potential measures to reduce or eliminate pollution sources, and General Permit obligations and the permittee's obligations and responsibility to ensure permit compliance. The permittee shall submit the draft Permit Awareness Plan to the Department for review and approval. The Permit Awareness Plan is considered approved as of March 1, 2014, unless the permittee receives written communication from the Department indicating non-approval.

BMP: By January 6, 2014, the AVSWG will submit a new Permit Awareness Plan for DEP approval.

Permit Year 1

AVSWG

In PY1, the AVSWG submitted a Municipal Awareness Plan to the DEP and received approval on March 5, 2014.

1.2.2 Implement Permit Awareness Plan

The permittee shall begin implementation of the Permit Awareness Plan within one week of its approval.

BMP: Annually, the AVSWG will implement the Permit Awareness Plan, as outlined in the Permit Awareness Plan.

Permit Year 1

AVSWG

Department/Division heads from each AVSWG community met on October 25, 2013, to review the new five year Stormwater Management Program Plan.

Auburn

A fact sheet on the City's drainage system infrastructure and the Clean Water Act was provided to the City Manager for distribution to members of the City Council on October 2, 2013, and again at the City Council Meeting on January 21, 2014, during which Auburn Department of Public Services conducted a presentation which focused on the MS4 Program requirements and funding solutions. Public Notice for the meeting was provided in accordance with state requirements.

MCM #1 Public Education and Outreach on Stormwater Impacts

Raise Awareness of Stormwater Pollution and the MS4 Program (Maine DEP MS4 Permit Part IV.H.1.a.ii)

Additionally, the Stormwater Program Coordinator and the City's MS4 Contractor work closely and throughout the year on various MS4 compliance activities with the planning and public works department heads. The City of Auburn held an IDDE Training session, which was provided by Woodard & Curran on May 14, 2014, to Public Services and Planning; 14 members of City staff participated in the training.

On July 9, 2014, the Cumberland County Soil & Water Conservation District presented their Annual MS4 Stormwater Training, which focused on Stormwater Management and Spill Control, at the Lewiston Public Works; staff from the City of Auburn were in attendance.

Lewiston

Lewiston performed the following activities during the PY1 cycle:

- *The new City Council Orientation occurred on December 19, 2013, and included an issue paper that summarized the City's MS4 NPDES permitting requirements. In January, the Public Works Director spoke with the City Councilors about the Stormwater permitting requirements during a tour of the City's municipal facilities.*
- *The City's Stormwater Coordinator met with the Deputy Director of Planning and Code Enforcement to discuss construction tracking requirements.*
- *LCIP and Budget request spreadsheets were presented to City Administration and Financial Managers in February of 2013, which contained narrative descriptions of the MS4 General Permit.*

Department Heads were notified of the new stormwater management plan in a meeting on January 16th.

Lisbon

The Town of Lisbon 2012-2013 Annual Report included a section on the Public Works Department's new MS4 Permit Program; it provided background on what an MS4 is, why it is important, the permit requirements, and how it will affect the City operations and expenditures. Weekly staff meetings provide municipal staff members with a forum for discussing necessary MS4 activities and training opportunities. The Town intends to develop a formal training program and orientation manual for new staff, which will include an overview of the MS4 Permit Program.

Lisbon staff responsible for the implementation of the new Permit attended a training on the five year MS4 Permit Program on December 4, 2013; attendees included staff from code enforcement, public works, sewer division, and water department. This meeting fulfills the Town's goal of the Municipal Awareness Plan, for a meeting between the Public Works and Code Enforcement Directors to review compliance.

On February 11, 2014, the Town Engineer presented a general overview of the MS4 Permit program to the Town Council; on February 22, 2014, a tour of municipal facilities was provided, including the Public Works Garage, Treatment Plant, and Transfer Station. Additionally, discussions regarding Stormwater activities necessary for the implementation of the MS4 Permit Program occurred regularly during the Town's annual budget deliberations; the Public Works budget was discussed specifically on March 24, 2014.

On August 12, 2014, the Town Engineer and the Sewer Department Operations Manager met with Woodard & Curran to review compliance activities for the MS4 Permit Program and develop a list of action items for the following Permit Year.

MCM #1 Public Education and Outreach on Stormwater Impacts

Raise Awareness of Stormwater Pollution and the MS4 Program (*Maine DEP MS4 Permit Part IV.H.1.a.ii*)

1.2.3 Annual Report Review of Permit Awareness Plan

The permittee shall include a review of the Permit Awareness Plan in each of its Annual Reports. The review must include process indicators which assess the permittee's execution of the Permit Awareness Plan. The permittee shall also include impact indicators according to the following schedule unless otherwise indicated in the approved Permit Awareness Plan: In year 3, the permittee will do an evaluation and assessment on both the progress of implementing the plan as well as the impact the efforts are having on the target audience. In year 5 the permittee shall provide an in-depth assessment of both the implementation and the impact of the Permit Awareness Plan as part of a comprehensive review to include an analysis of the process indicators and impact indicators.

***BMP:** Annually, the AVSWG will provide a review of the Permit Awareness Plan in each of its Annual Reports.*

In Permit Year 3, the AVSWG will conduct an assessment on both the progress and impact of implementing the Permit Awareness Plan via survey monkey, or some other method.

In Permit Year 5, the AVSWG will conduct an in-depth assessment of both the implementation and the impact of the Stormwater Awareness Plan via phone survey, or other method, and compare the results of the new survey to those from the Intercept Survey conducted in Permit Year 5 of the previous MS4 Permit cycle.

Permit Year 1

Auburn

Given the significant investment of time by City departments on various elements of the 5-year program plan in Permit Year 1, Auburn's municipal permit awareness goals were met.

Lewiston

Lewiston's municipal permit awareness requirements were met.

Lisbon

Given the significant investment of time by the Town in preparing to implement various elements of the 5-year program plan in Permit Year 1, Lisbon's municipal permit awareness goals were met. The Program appears to have been well received by municipal staff, as no negative comments were received following any of the presentations and discussions noted above. Additionally, the Town Council's improved awareness of the Program permitted the development of an appropriate budget and funding for the Stormwater activities necessary for the implementation of the MS4 Permit Program.

MCM #1 Public Education and Outreach on Stormwater Impacts

BMP Adoption Plan (*Maine DEP MS4 Permit Part IV.H.1.a.iii*)

1.3 BMP ADOPTION PLAN

(*Maine DEP MS4 Permit Part IV.H.1.a.iii*)

The permittee shall continue outreach efforts from the previous MS4 General Permit while developing or revising a new BMP Adoption Plan

1.3.1 Develop or Revise BMP Adoption Plan

Each permittee or stormwater group of which the permittee is a member shall have a new or revised Adoption Plan with the goal of promoting behavior change through the implementation of BMPs. Each permittee or stormwater group shall select at least one specific BMP to target for a focused outreach Plan. In order to facilitate statewide consistency and efficient use of resources, permittees may work collaboratively to develop and implement a Statewide BMP Adoption Plan that allows for regional flexibility. The permittee shall target at least 15% of the segmented audience to adopt the targeted BMPs. The permittee shall submit the draft BMP Adoption Plan to the Department for review and approval. The BMP Adoption Plan is considered approved as of January 15, 2014, unless the permittee receives written communication from the Department indicating non-approval.

BMP: By November 1, 2014, the AVSWG will submit a new BMP Adoption Plan to DEP for approval.

Permit Year 1

AVSWG

The DEP provided funding to support the development of the AVSWG BMP Adoption Plan; a final plan was submitted to the DEP on September 5, 2014.

1.3.2 Implement Adoption Plan

The permittee shall begin implementation of the BMP Adoption Plan within one week of its approval.

BMP: Annually, the AVSWG will implement the BMP Adoption Plan, as outlined in the BMP Adoption Plan.

Permit Year 1

AVSWG

No goals, other than the development of the Plan, were set for PY1.

The City of Auburn distributed over 100 targeted public outreach letters to residents providing information regarding stormwater runoff and BMPs such as “Do Not Dump” and “Don’t Let Runoff Runoff”; two neighborhood meetings, which provided educational material on BMP adoption and utilized the “Stormwater Drainage 101” Powerpoint Presentation developed under the previous permit, were advertised and conducted. Public notice was distributed to project abutters, per state and local requirements, and attendees were educated regarding Stormwater issues, per the requirements of the Small MS4 General Permit.

MCM #1 Public Education and Outreach on Stormwater Impacts

BMP Adoption Plan (*Maine DEP MS4 Permit Part IV.H.1.a.iii*)

1.3.3 Annual Report Review of Adoption Plan

The permittee shall include a review of the BMP Adoption Plan in each of its Annual Reports. The review must include process indicators which assess the permittee's execution of the BMP Adoption Plan. The permittee shall also include impact indicators according to the following schedule unless otherwise indicated in the approved BMP Adoption Plan: in permit year 1, the permittee will assess the target audience to set the baseline and inform the development of the BMP Adoption Plan. In permit year three (3), the permittee will conduct a preliminary evaluation and assessment on both the progress of implementing the plan as well as the impact the efforts are having on the target audience. In permit year five (5) the permittee shall provide final assessment of both the implementation and the impact of the BMP Adoption Plan as part of a comprehensive review to include an analysis of the process indicators and impact indicators.

***BMP:** Annually, the AVSWG will provide a review of the BMP Adoption Plan in each of its Annual Reports.*

In Permit Year 3, the AVSWG will conduct a preliminary assessment on both the progress and impact of implementing the BMP Adoption Plan.

In Permit Year 5, the AVSWG will conduct a final assessment of both the implementation and the impact of the BMP Adoption Plan.

Permit Year 1

AVSWG

No goals, other than the development of the Plan, were set for PY1; this goal was met.

MCM #1 Public Education and Outreach on Stormwater Impacts

Priority Watershed Education and Outreach (*Maine DEP MS4 Permit Part IV.H.1.a.iv*)

1.4 PRIORITY WATERSHED EDUCATION AND OUTREACH

(*Maine DEP MS4 Permit Part IV.H.1.a.iv*)

Permittees will enhance their education and outreach effort in their impaired or priority watershed or work to address a stormwater pollutant issue of regional or statewide significance

1.4.1 Plan to Improve and/or Protect Water Quality in Impaired Watershed

Permittees with an impaired waterbody may either target a specific activity that if successfully addressed will improve and/or protect water quality in the priority or impaired watershed(s) or the permittee may choose instead to work singly or collaboratively on a common regional or statewide stormwater pollutant issue. Such issues include but are not limited to elevated chloride in waterbodies from winter salt applications or the toxic constituents associated with the application of coal tar sealants. The goal of the effort should be to reduce or eliminate the pollutant(s) of concern. The effort can be undertaken individually or collectively by MS4s. Examples include developing an outreach effort to encourage stormwater BMP owners to properly maintain their BMPs or target an audience to increase the use of LID practices within the priority watershed. By July 1, 2014, each permittee shall provide a draft plan on how it plans to meet either permit requirement as stated above and a final plan by November 1, 2014.

***BMP:** By July 1, 2014, the AVSWG will submit a new Watershed Outreach Plan to the DEP for approval.*

Permit Year 1

AVSWG

The AVSWG submitted a Watershed Outreach Plan to the DEP for review and approval on July 1, 2014.

1.4.2 Implementation of Priority Education

The permittee shall begin implementation of the Priority Watershed Plan by January 5, 2015.

***BMP:** By January 5, 2015, the AVSWG will annually implement the Watershed Outreach Plan, as outlined in the Watershed Outreach Plan.*

Permit Year 1

AVSWG

No action required.

1.4.3 Progress and Results of Priority Watershed Effort

The permittee shall report the progress and results of the targeted outreach effort in the Annual Report. In the fifth year Annual Report will include a comprehensive review of the outreach effort. The review must include an analysis of the process indicators and impact indicators.

***BMP:** Annually, the AVSWG will report on the progress and results of the Watershed Outreach Plan in each of its Annual Reports.*

In Permit Year 5, the AVSWG will provide a comprehensive review of the Watershed Outreach Plan.

MCM #1 Public Education and Outreach on Stormwater Impacts

Priority Watershed Education and Outreach (*Maine DEP MS4 Permit Part IV.H.1.a.iv*)

Permit Year 1

AVSWG

The AVSWG submitted a Watershed Outreach Plan to the DEP for review and approval on July 1, 2014, and comments were received from the DEP on August 12, 2014; the AVSWG is currently refining the Watershed Outreach Plan based on DEP comments for submission prior to November 1, 2014.

MCM #2 Public Involvement and Participation

Public Notice Requirements (*Maine DEP MS4 Permit Part IV.H.2.a.i*)

2. MCM #2 PUBLIC INVOLVEMENT AND PARTICIPATION

The goal of this minimum control measure is to involve the public in both the planning and implementation process of improving water quality and reducing stormwater quantity via the stormwater program.

2.1 PUBLIC NOTICE REQUIREMENTS

(Maine DEP MS4 Permit Part IV.H.2.a.i)

The permittee shall comply with applicable state and local Public Notice requirements using effective mechanisms for reaching the public, and comply with the public notice requirements of the Maine Freedom of Access Act, 1 M.R.S.A. §§ 401 et seq. (“FOAA”) when the permittee involves stakeholders in the implementation of this General Permit. The permittee shall document the meetings and attendance through the annual report as a way of measuring this goal.

***BMP:** Annually, the AVSWG will follow state and local Public Notice requirements when involving stakeholders in the implementation of the Small MS4 General Permit. When applicable, the meetings and attendees will be documented in the annual report each year.*

Permit Year 1

AVSWG

All municipal public meetings referenced and documented herein, which involve stakeholders in the implementation of the Small MS4 General Permit, comply with state and local Public Notice requirements.

MCM #2 Public Involvement and Participation

Public Event (*Maine DEP MS4 Permit Part IV.H.2.a.ii*)

2.2 PUBLIC EVENT

(Maine DEP MS4 Permit Part IV.H.2.a.ii)

The permittee or regional stormwater group of which the permittee is a member shall annually host/conduct or participate in a public event. The event must include a pollution prevention and/or water quality theme. The target audience does not need to be the entire urbanized area but should be aimed at a segment of the population that the permittee wishes to reach. The permittee shall include a report of the public event in each of its Annual Reports. The report must include process indicators which assess the permittee's planning and execution, as well as impact indicators which assess the effectiveness of the event. The permittee shall also include a comprehensive review of the public events in its fifth year Annual Report that must include an analysis of the process indicators and impact indicators.

BMP: *Annually, the AVSWG will participate in Public Works Day. Public Works Day is held each spring and has historically attracted around 200-300 people. Stormwater educational materials will be presented and provided to attendees and stormwater pollution prevention equipment will be demonstrated and described to the public. This event will be documented in the annual report each permit year.*

In Permit Year 5, the AVSWG will provide a comprehensive review of the public event(s).

Permit Year 1

AVSWG

The AVSWG promoted Public Works Day via school flyers, the City of Auburn website, and facebook. Representatives from the AVSWG municipalities volunteered at the events. Public Works Day was held on May 17, 2014, at the City of Auburn Public Services Garage. A table where children could build water filters and learn about the importance of clean water was displayed at the event, in addition to the yardscaping and "Do Not Dump" posters developed under the previous permit years. The "Sweeping Up The Savings" handout developed under the previous permit year was also provided to attendees. Over 300 residents of the local communities attended the event; despite the rain, this year's event was deemed considerably more successful than previous years.

MCM #3 Illicit Discharge Detection and Elimination

Watershed Based Storm Sewer Systems Infrastructure Map (Maine DEP MS4 Permit Part IV.H.3.a.i)

3. MCM #3 ILLICIT DISCHARGE DETECTION AND ELIMINATION

Each permittee shall develop, implement and enforce a program to detect and eliminate illicit discharges and non-stormwater discharges, as defined in 06-096 CMR 521(9)(b)(2), except as provided in Part IV(H)(3)(c) of this permit.

3.1 WATERSHED BASED STORM SEWER SYSTEM INFRASTRUCTURE MAP

(Maine DEP MS4 Permit Part IV.H.3.a.i)

Permittees not subject to the 2008 MS4 General Permit shall develop a watershed based storm sewer system infrastructure map or series of maps for its regulated area. The map(s) must show the location of all stormwater catch basins, connecting surface and subsurface infrastructure and depict the direction of in-flow and out-flow pipes, and the locations of all discharges from all stormwater outfalls operated by the regulated small MS4 to receiving waters or to an interconnected MS4. Each catch basin must be uniquely identified to facilitate control of potential illicit discharges, and to ensure proper operation and maintenance of these structures. For each outfall, the following information must be included: type (e.g. culvert or ditch), material, size of conveyance, the name and location of the nearest named waterbody to which the outfall eventually discharges. Permittees subject to the 2008 MS4 General Permit shall continue to keep their map(s) current and ensure that maps are reviewed for any updates at least annually.

BMP: In Permit Year 1, the Town of Lisbon will begin developing a watershed based storm sewer system infrastructure map for its regulated area.

Annually, the AVSWG will continue to refine and revise their storm sewer system infrastructure maps.

Permit Year 1

Auburn

Auburn continues to refine and revise their storm sewer system infrastructure map. Consistent with the City's IDDE Program, City of Auburn Public Works Operations Staff conduct cleaning and mapping efforts. Auburn's cleaning and mapping effort resulted in over 50% increase in mapped pipe segments (approximately 261,890 linear foot increase), and over 10% increase in mapped structures; field confirmation helped to improve the accuracy of the map. The City of Auburn also obtained infrastructure data for state roadways, which was included in the storm sewer system infrastructure GIS database. The City of Auburn held a Drainage System Asset Management Workshop on December 17, 2013, and it was decided that the City will focus mapping efforts on refining culvert locations and other data related to culverts.

Lewiston

Lewiston's summer interns identified approximately 350 "orphan" manholes and catch basins during the summer months of 2014. Prior to these inspections, the orphan structures were not mapped to any storm drain system. With this effort, the identification of the orphan structures is now complete. Work also continued on the general storm drain infrastructure mapping. Approximately 70 manholes and catch basins were surveyed in 2014, identifying things like structure type, inlet and outlet connections and condition. The results from the summer's field identification will be inputted into the updated mapping during the winter months.

Lisbon

MCM #3 Illicit Discharge Detection and Elimination

Watershed Based Storm Sewer Systems Infrastructure Map (Maine DEP MS4 Permit Part IV.H.3.a.i)

Lisbon began development of a storm sewer system infrastructure map in 2001. The map is currently in AutoCAD format, and paper copies are utilized during field operations and catch basin/storm drain cleaning activities to verify the data. The Town will continue to refine their map.

MCM #3 Illicit Discharge Detection and Elimination

Develop and Implement a Non-Stormwater Discharge Ordinance (*Maine DEP MS4 Permit Part IV.H.3.a.ii*)

3.2 DEVELOP AND IMPLEMENT A NON-STORMWATER DISCHARGE ORDINANCE

(Maine DEP MS4 Permit Part IV.H.3.a.ii)

Permittees not subject to the 2008 MS4 General Permit shall develop and implement a non-stormwater discharge ordinance which effectively prohibits non-stormwater discharges and stipulates the implementation of appropriate enforcement procedures and actions by no later than January 10, 2015. Permittees subject to the 2008 MS4 General Permit shall to the extent allowable under State or local law, continue to implement, and provide annual reporting of the permittee's non-stormwater discharge ordinance that effectively prohibits, unauthorized non-stormwater discharges into the permittee's storm sewer system.

***BMP:** By January 10, 2015, the Town of Lisbon will develop a non-stormwater discharge ordinance.*

Annually, the AVSWG will continue to maintain and implement their non-stormwater discharge ordinance; additionally, non-stormwater discharges that have been addressed will continue to be documented in the annual report each permit year.

In Permit Year 1, AVSWG communities will work to cooperate with their respective water departments or water utilities on a strategy to address waterline and hydrant flushing.

Permit Year 2-5, continue to work with water departments or water utilities to implement water line hydrant and flushing strategy, as applicable.

Permit Year 1

AVSWG

The AVSWG held a meeting on May 15, 2014, with the Auburn Water and Sewerage District, Lewiston Water Department, and Lisbon Water Department, to discuss the new hydrant flushing requirements of the 2013-2018 Permit, existing programs, and a preliminary strategy for the flushing programs moving forward. The strategy to be undertaken by the respective water departments will be to document flows and concentrations during flushing activities to serve in the Hydrant Flushing Risk Analysis to be conducted in PY2; the AVSWG is currently awaiting data from their respective water departments (flows and concentrations) to begin compiling the map, which will serve in this analysis.

Auburn

The City of Auburn continues to maintain and implement their non-stormwater discharge ordinance; the following non-stormwater discharges were identified in PY1:

- *284 Mill Street: During excavations to install a new catch basin and roadway pipe in place of existing infrastructure, two drain pipes were found and determined to be sanitary sewer connections. The Contractor connected these sewer services to the sewer main; and*
- *Four sewer malfunctions were reported in Auburn in 2013-2014, all of which were possible illicit discharges. These issues were investigated by City personnel; two required repairs to breaks in the line and were resolved, one involved an odor that could not be verified, and the last was identified as groundwater.*

Lewiston

MCM #3 Illicit Discharge Detection and Elimination

Develop and Implement a Non-Stormwater Discharge Ordinance (Maine DEP MS4 Permit Part IV.H.3.a.ii)

The City of Lewiston cited a contractor working at 140 Mill St. for illegally dumping into a catch basin. It was originally thought that the illegal activity was coming from Baxter Brewing Company, but upon further investigation it was determined that the illegal activity came from a tile contractor working next door. The property manager was noted and given a citation.

Another illicit discharge was suspected at 150 Summer Street where some staining was noticed by a City of Lewiston employee at a stormwater outfall. The staining could not be traced back to any illegal activity and it was determined that the discoloration was coming from iron in the soil.

Lisbon

No action required.

MCM #3 Illicit Discharge Detection and Elimination

Develop and Conduct Dry Weather Outfall Inspection (*Maine DEP MS4 Permit Part IV.H.3.a.iii*)

3.3 DEVELOP AND CONDUCT DRY WEATHER OUTFALL INSPECTION

(Maine DEP MS4 Permit Part IV.H.3.a.iii)

Permittees not subject to the 2008 MS4 General Permit shall develop a prioritized dry weather outfall inspection plan by no later than June 30, 2014. This dry weather outfall inspection plan must pertain to a watershed or sub-watershed that the permittee has identified as having the greatest potential threat to the receiving water. Permittees not subject to the 2008 MS4 General Permit shall conduct a dry weather inspection of MS4 outfalls that discharge to the two highest priority sub-watersheds, as approved by the Department. In subsequent permit years, dry weather inspections must be expanded to other sub-watersheds within the permittee's two highest priority watersheds as approved by the Department.

Permittees subject to the 2008 MS4 General Permit shall continue to implement its prioritized dry weather outfall inspection plan based on drainage areas such as an urban impaired stream watershed, or based on a watershed or sub-watershed that the permittee has identified as having the greatest potential threat to the receiving water. Permittees subject to the 2008 MS4 General Permit shall revise their outfall inspection plan and continue conducting dry weather inspections in different watersheds or sub-watersheds as approved by the Department and evaluate discharges for illicit connections.

The municipality must have a defined procedure/policy or protocol in place that details the steps that must be taken when an illicit discharge is identified during these inspections to locate the source of the illicit discharge and eliminate it.

BMP: *By the end of Permit Year 1, the Town of Lisbon will develop a prioritized dry weather outfall inspection plan, including a defined procedure/policy or protocol that details the steps that must be taken when an illicit discharge is identified, to locate the source of the illicit discharge and eliminate it; Lewiston, Auburn, and Sabattus shall refine and revise outfall inspection plan, opportunistic inspection areas and timeline to address illicit connections within area or watershed of the highest priority.*

Annually, the AVSWG will continue to implement their prioritized IDDE inspection plans and illicit discharge detection protocol, as approved by the Department.

Permit Year 1

Auburn

Consistent with the IDDE Program, opportunistic and dry weather outfall inspections are conducted throughout the summer. An opportunistic inspection training was provided by Woodard & Curran on May 14, 2014, to Public Services and Planning; 14 members of City staff participated in the training. Guidelines regarding opportunistic inspections and timelines to address illicit connections are provided in the IDDE Program. Woodard & Curran staff conducted dry weather outfall inspections in several areas in order to refine and revise the outfall inspection approach.

Lewiston

During PY1, Lewiston worked on developing a GIS based application that will stream line the outfall inspections and allow the data to be automatically updated to our GIS mapping. The "Collector for ArcGIS" is an Android based application that is used on an electronic tablet device. Budget constraints did not allow the table to be purchased until the end of PY1; therefore, the outfall inspections could not be completed in PY1, but are currently being conducted.

MCM #3 Illicit Discharge Detection and Elimination

Develop and Conduct Dry Weather Outfall Inspection (Maine DEP MS4 Permit Part IV.H.3.a.iii)

Lisbon

Development of a prioritized dry weather outfall inspection plan is currently underway and will be completed in time for the first round of dry weather outfall inspections, which are anticipated to be conducted in PY2. This Plan will include a Standard Operating Procedure for opportunistic inspections to be conducted during catch basin cleaning activities, in addition to an Illicit Discharge Detection and Elimination Program, which will detail the steps that must be taken when an illicit discharge is identified to locate the source of the illicit discharge and eliminate it.

MCM #3 Illicit Discharge Detection and Elimination

Develop and Implement Illicit Discharge Detection Strategy (*Maine DEP MS4 Permit Part IV.H.3.a.iv*)

3.4 DEVELOP AND IMPLEMENT ILLICIT DISCHARGE DETECTION STRATEGY

(Maine DEP MS4 Permit Part IV.H.3.a.iv)

Permittees not subject to the 2008 MS4 General Permit shall, by no later than June 30, 2018, develop and implement a strategy to detect any illicit discharges to their open ditch system within their highest priority watershed, to the extent allowable under State or local law.

Permittees subject to the 2008 MS4 General Permit shall continue to implement an illicit discharge/illicit connection detection program based upon a schedule approved by the Department.

BMP: *By the end of Permit Year 5, the Town of Lisbon will develop and implement a strategy to detect any illicit discharges to their open ditch system within their highest priority watershed.*

Annually, Lewiston, Auburn, and Sabattus will continue to implement their illicit discharge/illicit connection detection program based upon a schedule approved by the Department.

Permit Year 1

Auburn

The City of Auburn conducts opportunistic inspections during maintenance activities and catch basin cleaning, and investigates customer call-ins regarding potential illicit discharges.

Lewiston

The City of Lewiston conducts opportunistic inspections during maintenance activities and catch basin cleaning, and investigates customer call-ins regarding potential illicit discharges.

Lisbon

No action required.

MCM #3 Illicit Discharge Detection and Elimination

Develop List of Septic Systems (*Maine DEP MS4 Permit Part IV.H.3.a.v*)

3.5 DEVELOP LIST OF SEPTIC SYSTEMS

(Maine DEP MS4 Permit Part IV.H.3.a.v)

Each permittee shall develop a list of septic systems in its highest priority watershed that are 20 years old or greater and which may discharge to the MS4 if the system fails. By June 30, 2017, each permittee shall implement a drive-by evaluation and documentation program of septic systems in its highest priority watershed that are 20 years old or greater and which have the potential to discharge into the MS4. This septic system inspection and documentation program must include a mechanism for addressing any discharges to the MS4 from malfunctioning septic systems.

BMP: *In Permit Years 1-4 each of the AVSWG communities will develop a list of septic systems in their highest priority watershed that are 20 years old or greater.*

By the end of Permit Year 4, each of the AVSWG communities will conduct drive-by evaluations of these septic systems within priority areas.

Permit Year 1

Auburn

The City of Auburn intends to utilize their GIS database and cooperate with the Auburn Water & Sewerage District to identify parcels not connected to the sanitary sewer system, and which therefore rely on septic systems, to begin compiling a list of septic systems in their highest priority watershed.

Lewiston

The City of Lewiston intends to utilize their GIS database to identify parcels not connected to the sanitary sewer system, and which therefore rely on septic systems, to begin compiling a list of septic systems.

Lisbon

The Town of Lisbon intends to utilize their infrastructure map and property records and cooperate with the Sewer Department to identify parcels not connected to the sanitary sewer system, and which therefore rely on septic systems, to begin compiling a list of septic systems in their highest priority watershed.

MCM #4 Construction Site Stormwater Runoff Control

Notification of Permit Requirements (*Maine DEP MS4 Permit Part IV.H.4.a.i*)

4. MCM #4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Each permittee shall develop, implement, and enforce a program, or modify an existing 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. Reduction of stormwater discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more.

Each of the AVSWG communities rely on the Maine Construction General Permit (MCGP)

4.1 NOTIFICATION OF PERMIT REQUIREMENTS

(Maine DEP MS4 Permit Part IV.H.4.a.i)

Municipalities must have procedures for notifying construction site developers and operators of the requirements for registration under the MCGP or Chapter 500, Stormwater Management for the discharge of stormwater associated with construction activities.

***BMP:** Annually, the AVSWG will maintain procedures for notifying construction site developers and operators of the requirements for registration under the MCGP or Chapter 500, Stormwater Management for the discharge of stormwater associated with construction activities.*

Lewiston, Auburn, and Sabattus will continue to implement the notification procedures currently in place, which consist of a question on permit application forms to trigger awareness of the MCGP and to direct projects disturbing one acre or greater to obtain a MCGP.

In Permit Year 1, Lisbon will develop a notification procedure.

Any deviations or modifications to these notification procedures will be noted in the annual report each permit year.

Permit Year 1

AVSWG

Lewiston, Auburn, and Sabattus continue to implement the notification procedures currently in place, which consist of a question on permit application forms to trigger awareness of the MCGP and to direct projects disturbing one acre or greater to obtain a MCGP.

Lisbon

The Town of Lisbon has developed the following procedure for notifying construction site developers and operators of the requirements for registration under the MCGP:

All projects undergo a preliminary evaluation by the Town to determine permitting requirements; if a project is determined to disturb more than one acre of land, then the MCGP Application is provided to the Applicant as part of the permit application package, and it is required by the Town that the Application be completed and approved prior to the start of construction.

MCM #4 Construction Site Stormwater Runoff Control

Construction Activity Documentation (*Maine DEP MS4 Permit Part IV.H.4.a.ii*)

4.2 CONSTRUCTION ACTIVITY DOCUMENTATION

(Maine DEP MS4 Permit Part IV.H.4.a.ii)

Document every construction activity that disturbs one or more acres within the Urbanized Area.

BMP: *Annually, the AVSWG communities will record every construction activity that disturbs one or more acres in the annual report each permit year.*

Permit Year 1

Auburn

The City of Auburn did not have any construction activities which disturbed one acre or more.

Lewiston

Lewiston had one construction activity that disturbed one acre or more, located at 960 Sabattus St.

Lisbon

Construction is currently underway for the Lisbon Androscoggin River Trail Project, which will disturb more than one acre. There were no other construction activities in the Town of Lisbon during Permit Year 1 which disturbed one or more acres.

MCM #4 Construction Site Stormwater Runoff Control

Site Inspections (Maine DEP MS4 Permit Part IV.H.4.a.iii)

4.3 SITE INSPECTIONS

(Maine DEP MS4 Permit Part IV.H.4.a.iii)

Implement site inspections procedures to ensure projects are in compliance with the MCGP and Chapter 500, Stormwater Management. In watersheds of Urban Impaired Streams, and in the permittee's highest priority watershed, inspect the construction activity at least three times with one inspection at project completion to ensure that all Post-Construction BMPs were properly installed, and that final stabilization of the site has been completed. All construction inspections must be properly documented. For other watersheds, inspect the construction activity a minimum of twice, with one inspection at project completion to ensure that all Post-Construction BMPs were properly installed, and that final stabilization of the site has been completed.

BMP: *Annually, the AVSWG communities will implement site inspection procedures to ensure projects are in compliance with the MCGP and Chapter 500. Inspections will be documented in a database management system or other recordkeeping system and a summary will be reported in the annual report each permit year. Lewiston, Auburn, and Sabattus will continue to implement the procedures developed in the previous MS4 permit cycle.*

In Permit Year 1, Lisbon will develop site inspection procedures to ensure projects are in compliance with the MCGP and Chapter 500, including a standardized inspection process to ensure proper documentation of all required inspections, and a process for tracking and notifying the site developer or contractor of noncompliance issues.

Permit Year 1

Auburn

The City of Auburn did not have any construction activities which disturbed one acre or more, so no inspections were required; however, construction site inspections are conducted for all projects requiring a Fill Permit.

Lewiston

The City of Lewiston requires third party inspections during construction and prior to a final certificate of occupancy. The certificate of occupancy is issued to sign off that a stormwater system has been completed in accordance with the approved plan. Inspection reports are submitted while the project is being developed.

Lisbon

Construction projects within the Town of Lisbon require a series of inspections, the requirements for which are based on the type of project. During the inspections, the site is also examined with respect to the approved BMP plan to ensure compliance with the stormwater regulations. The Town maintains a spreadsheet, which contains all pertinent permit information and lists the required inspections and the dates they were conducted. If a violation is discovered during an inspection then the responsible party will be notified and corrective action will be mandated; disciplinary action may also be taken if voluntary compliance and cooperation are not obtained.

MCM #4 Construction Site Stormwater Runoff Control

Site Inspections (Maine DEP MS4 Permit Part IV.H.4.a.iii)

Construction is currently underway for the Lisbon Androscoggin River Trail Project, which will disturb more than one acre. There were no other construction activities in the Town of Lisbon during Permit Year 1 which disturbed one or more acres.

MCM #5 Post-Construction Stormwater Management

Implement a Post Construction Discharge Ordinance (*Maine DEP MS4 Permit Part IV.H.5.a.ii*)

5. MCM #5 POST-CONSTRUCTION STORMWATER MANAGEMENT

Each permittee shall develop, implement, and enforce 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 MS4. This program shall ensure that controls are in place that will prevent or minimize water quality impacts.

5.1 IMPLEMENT A POST-CONSTRUCTION DISCHARGE ORDINANCE

(Maine DEP MS4 Permit Part IV.H.5.a.ii)

To ensure adequate long-term operation and maintenance of Post-Construction BMPs, each permittee subject to the 2008 MS4 General Permit shall continue to implement a Post-Construction discharge ordinance, or similar measure approved by the Department.

Permittees not subject to the 2008 MS4 General Permit shall implement a Post-Construction discharge ordinance, or similar measure approved by the Department, by no later than June 30, 2015. This ordinance or similar measure must stipulate that the owner or operator of a Post-Construction BMP provide the permittee with an annual report documenting that the BMP is adequately maintained and is functioning as intended or requires maintenance. If the Post-Construction BMP requires maintenance, the owner or operator shall provide a record of the deficiency and corrective action(s) taken to the permittee.

BMP: *Annually, the AVSWG will maintain and enforce a Post-Construction discharge ordinance. Lewiston, Auburn, and Sabattus will continue to implement the ordinance developed in the previous MS4 permit cycle. Any achievements or modifications associated with the ordinances will be noted in the annual report each permit year, in addition to:*

- *the cumulative number of sites that have Post-Construction BMPs discharging into their MS4;*
- *a summary of the number of sites that have Post-Construction BMPs discharging into their MS4 that were reported to the municipality;*
- *the number of sites with documented functioning Post-Construction BMPs; and*
- *the number of sites that required routine maintenance or remedial action to ensure that the Post-Construction BMP is functioning as intended.*

By the end of Permit Year 2, Lisbon will have developed and begun implementing a Post-Construction discharge ordinance.

Permit Year 1

Auburn

The City of Auburn continues to implement the Post-Construction discharge ordinance developed in the previous MS4 Permit cycle. No modifications associated with the ordinance were made in PY1; no new Post-Construction BMPs were installed. There are ten sites in the City of Auburn which have required the construction of BMPs to date.

Additionally, a letter was drafted to remind BMP owners of the City's stormwater BMP inspection ordinance. The letter will be sent out to owners during PY 2.

Lewiston

MCM #5 Post-Construction Stormwater Management

Implement a Post Construction Discharge Ordinance (Maine DEP MS4 Permit Part IV.H.5.a.ii)

In PY1, Lewiston reviewed and updated the development review spreadsheet that tracks Post-Construction BMPs. To date, there are 18 Post-Construction BMPs with four more approved for construction.

Additionally, a letter was drafted to remind BMP owners of the City's stormwater BMP inspection ordinance. The letter will be sent out to owners during PY 2.

Lisbon

No action required.

MCM #5 Post-Construction Stormwater Management

Annual Inspection of Post Construction BMPs (*Maine DEP MS4 Permit Part IV.H.5.a.iii*)

5.2 ANNUAL INSPECTION OF POST-CONSTRUCTION BMPS

(Maine DEP MS4 Permit Part IV.H.5.a.iii)

Each permittee shall annually inspect a percentage of Post-Construction BMPs located in the direct watershed of a lake most at risk from new development or in watersheds of an urban impaired stream. If the owner or operator of a Post-Construction BMP hires a qualified third party inspector, the permittee will have no inspection requirements. If the owner or operator of a Post-Construction BMP does a “self” inspection, the permittee is required to conduct the following inspection schedule.

- 1-10 Post-Construction sites: inspect at least one site, or 40% (whichever is greater)
- 11-30 Post-Construction sites: inspect at least four sites, or 30% (whichever is greater)
- 31-60 Post-Construction sites: inspect at least nine sites, or 25% (whichever is greater)
- 61-100 Post-Construction sites: inspect at least fifteen sites, or 20% (whichever is greater)
- 101-160 Post-Construction sites: inspect at least twenty sites, or 17% (whichever is greater)
- Over 160 Post-Construction sites: inspect at least twenty seven sites, or 11% (whichever is greater)

BMP: *Annually, the AVSWG communities will inspect Post-Construction BMPs in priority watershed according to the schedule above. Lewiston and Sabattus will continue to rely on third-party inspections, consistent with the ordinances in other areas of the communities. Auburn will conduct inspections within and outside of priority watersheds according to the schedule above.*

By the end of Permit Year 1, Lisbon will develop and begin implementing a Post-Construction BMP inspection procedure.

Permit Year 1

Auburn

The City of Auburn is currently tracking Post-Construction sites; no new Post-Construction BMPs were installed in PY1. Three of the ten Post-Construction BMP sites in the City of Auburn have been inspected since the implementation of the Post-Construction Discharge Ordinance.

Lewiston

Lewiston requires annual third-party inspections by the owner. In PY1, only one Post-Construction certification report was received. A letter was drafted to remind BMP owners of the City’s stormwater BMP inspection ordinance. The letter will be sent out to owners during PY2.

Lisbon

No construction activities were completed in the Town of Lisbon during Permit Year 1 which disturbed one or more acres, and therefore no Post-Construction BMPs required inspections. A Post-Construction BMP inspection procedure will be developed and implemented upon the completion of the Lisbon Androscoggin River Trail Project for the Soil Filter and Filterra BMPs installed as part of that project.

MCM #5 Post-Construction Stormwater Management

Develop and Implement Notification Procedures (*Maine DEP MS4 Permit Part IV.H.5.a.iv*)

5.3 DEVELOP AND IMPLEMENT NOTIFICATION PROCEDURES

(Maine DEP MS4 Permit Part IV.H.5.a.iv)

Develop and implement a procedure for notifying site developers to consider incorporating low impact development techniques.

BMP: *In Permit Year 1, the AVSWG communities will consider a notification procedure for developers on consideration of low impact development techniques; these procedures will be documented in the annual report.*

In Permit Year 2, the AVSWG communities will implement relevant changes to notify developers of low impact development techniques.

Permit Year 1

AVSWG

The AVSWG understands that the Maine DEP Chapter 500 Rules are currently being revised to include credits for Low Impact Development (LID), which will encourage developers to consider LID techniques.

MCM #6 Pollution Prevention/Housekeeping for Municipal Operations

Inventory Municipal Operations (*Maine DEP MS4 Permit Part IV.H.6.a.i*)

6. MCM #6 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

This program has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

6.1 INVENTORY MUNICIPAL OPERATIONS CONTRIBUTING TO STORMWATER OR SURFACE WATER POLLUTION

(*Maine DEP MS4 Permit Part IV.H.6.a.i*)

Permittees not subject to the 2008 MS4 General Permit shall by the end of permit year one, 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. By the end of permit year two, Permittees not subject to the 2008 MS4 General Permit shall develop and implement written operation and maintenance procedures for its highest priority watershed 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. By the end of year three develop and implement operation and maintenance procedures for the remaining watersheds within the Urbanized Area.

Permittees subject to the 2008 MS4 General Permit shall continue to maintain their inventory of properties, facilities and activities, and continue implementation of their operation and maintenance plans.

***BMP:** Annually, Lewiston, Auburn, and Sabattus will continue to maintain their inventory of facilities and to implement their operation and maintenance plans.*

Annual notification will be provided to relevant facility managers regarding the operation and maintenance plans for their facility.

By the end of Permit Year 1, Lisbon 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.

By the end of Permit Year 2, Lisbon will develop and implement written operation and maintenance procedures for the facilities in its highest priority watershed.

By the end of Permit Year 3, Lisbon will develop and implement written operation and maintenance procedures for the remaining facilities within the Urbanized Area.

Permit Year 1

Auburn

The City of Auburn initiated an American Public Works Association Accreditation process, which includes refining policies and Standard Operating Procedures (SOPs) regarding pollution prevention for all municipal facilities. It is anticipated that, over the course of approximately two years, a comprehensive policy manual will be developed, which will include the municipal facility SOPs developed in the previous permit.

Lewiston

MCM #6 Pollution Prevention/Housekeeping for Municipal Operations

Inventory Municipal Operations (Maine DEP MS4 Permit Part IV.H.6.a.i)

Lewiston's Public Works department continues to implement its standard operated procedures. Due to budget constraints, a review and update of the remaining municipal facilities was not done during PY1, but has been budgeted for PY2.

Lisbon

The Town of Lisbon is working on refining the existing SWPPPs for the municipal transfer station and public works garage and will develop and implement written operation and maintenance procedures for the remaining municipal facilities in PY2.

MCM #6 Pollution Prevention/Housekeeping for Municipal Operations

Report of Annual Trainings (*Maine DEP MS4 Permit Part IV.H.6.a.ii*)

6.2 REPORT OF ANNUAL TRAININGS

(Maine DEP MS4 Permit Part IV.H.6.a.ii)

The permittee shall report annually on the types of stormwater-related trainings presented, the number of municipal and contract staff that received training, the length of the training, and training effectiveness.

BMP: *By the end of Permit Year 1, the AVSWG communities will develop a list of training needs and materials (as needed).*

In Permit Years 1-5, the AVSWG will conduct municipal employee training program(s) to reduce stormwater pollution potential from municipal operations. Annual reports will describe the training(s) provided each permit year.

Permit Year 1

AVSWG

Department/Division heads from each AVSWG community met on October 25, 2013, to review the new five year Stormwater Management Program Plan.

Auburn

The City of Auburn will continue to conduct the following trainings:

- *Erosion & Sedimentation Control;*
- *Outfall Sampling;*
- *IDDE;*
- *SWPPP; and*
- *BMP Inspections.*

The City of Auburn held an IDDE Training session, which was provided by Woodard & Curran on May 14, 2014, to Public Services and Planning; 14 members of City staff participated in the training.

On July 9, 2014, the Cumberland County Soil & Water Conservation District presented their Annual MS4 Stormwater Training, which focused on Stormwater Management and Spill Control, at the Lewiston Public Works; staff from Lewiston, Lisbon, and Auburn were in attendance.

City of Auburn staff attended the “Drainage, Drainage, Drainage” class provided by Maine Local Roads Center’s annual training on Best Management Practices for Erosion Control on April 15th (3 staff members), April 17th (3 staff members), and May 29th (5 staff members).

Lewiston

On July 9, 2014, the Cumberland County Soil & Water Conservation District presented their Annual MS4 Stormwater Training, which focused on Stormwater Management and Spill Control, at the Lewiston Public Works; staff from Lewiston, Lisbon, and Auburn were in attendance.

Lisbon

MCM #6 Pollution Prevention/Housekeeping for Municipal Operations

Report of Annual Trainings (Maine DEP MS4 Permit Part IV.H.6.a.ii)

Lisbon staff responsible for the implementation of the new Permit attended a training on the five year MS4 Permit Program on December 4, 2013; attendees included staff from code enforcement, public works, sewer division, and water department.

On July 9, 2014, the Cumberland County Soil & Water Conservation District presented their Annual MS4 Stormwater Training, which focused on Stormwater Management and Spill Control, at the Lewiston Public Works; staff from Lewiston, Lisbon, and Auburn were in attendance.

On August 12, 2014, the Town Engineer and the Sewer Department Operations Manager met with Woodard & Curran to review compliance activities for the MS4 Permit Program and develop a list of action items for the following Permit Year.

The Town of Lisbon also provided training to municipal staff on the operation and use of the new vac truck on June 24-25, 2014; this training will be provided as needed.

Additionally, three members of Town staff attended the NEWEA Voluntary Collection Systems Certification Course on March 12-14, 2014, which provided training on the cleaning and maintenance of pipes.

MCM #6 Pollution Prevention/Housekeeping for Municipal Operations

Develop and Implement Annual Cleaning Program (*Maine DEP MS4 Permit Part IV.H.6.a.iii*)

6.3 DEVELOP AND IMPLEMENT ANNUAL CLEANING PROGRAM

(Maine DEP MS4 Permit Part IV.H.6.a.iii)

The permittee shall develop and implement 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.

***BMP:** Annually, the AVSWG communities will continue to implement their street sweeping programs.*

Permit Year 1

AVSWG

The AVSWG communities continue to implement their street sweeping programs.

Lisbon

The Town of Lisbon sweeps all streets within the Urbanized Area from May through June and conducts periodic summer sweeping in the Urbanized Area as well.

MCM #6 Pollution Prevention/Housekeeping for Municipal Operations

Develop and Implement Biannual Sediment Removal Program (*Maine DEP MS4 Permit Part IV.H.6.a.iv*)

6.4 DEVELOP AND IMPLEMENT BIANNUAL SEDIMENT REMOVAL PROGRAM

(Maine DEP MS4 Permit Part IV.H.6.a.iv)

The permittee shall develop and implement 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 shall clean catch basins more frequently if inspections indicate excessive accumulation of sediment. Excessive accumulation is greater than or equal to 50 percent filled.

***BMP:** Annually, the AVSWG communities will continue to implement their catch basin cleaning programs.*

Permit Year 1

AVSWG

The AVSWG communities continue to implement their catch basin cleaning programs.

Lisbon

The Town of Lisbon purchased a new vac truck in Permit Year 1 in anticipation of complying with the new MS4 Permit Program.

MCM #6 Pollution Prevention/Housekeeping for Municipal Operations

Implement Schedule for Repairs and Upgrades (*Maine DEP MS4 Permit Part IV.H.6.a.v*)

6.5 IMPLEMENT SCHEDULE FOR REPAIRS AND UPGRADES

(Maine DEP MS4 Permit Part IV.H.6.a.v)

The permittee shall evaluate and implement a prioritized schedule, as necessary, for repairing or upgrading the conveyances, structures and outfalls of the regulated small MS4.

BMP: *Annually, the AVSWG will continue to prioritize stormwater Capital Improvement Projects or Operations (when applicable).*

Permit Year 1

AVSWG

The AVSWG continue to prioritize Stormwater Capital Improvement Projects or operations.

MCM #6 Pollution Prevention/Housekeeping for Municipal Operations

Develop and Implement Stormwater Pollution Prevention Plan (*Maine DEP MS4 Permit Part IV.H.6.a.vi*)

6.6 DEVELOP AND IMPLEMENT STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

(Maine DEP MS4 Permit Part IV.H.6.a.vi)

Permittees not subject to the 2008 MS4 General Permit shall by June 30, 2015, develop and implement a stormwater pollution prevention plan (“SWPPP”) for the following municipal operations: public works facilities, transfer stations, and school bus maintenance facilities operated by the permittee unless the facility is currently regulated under Maine’s Industrial Stormwater Program. The SWPPP must meet the conditions and requirements including quarterly visual monitoring per Maine’s Multi-Sector General Permit (“MSGP”) Stormwater Discharge Associated with Industrial Activity, published April 26, 2011.

Permittees subject to the 2008 MS4 General Permit shall continue to implement and update their SWPPP(s) to ensure it meets Maine’s April 26, 2011 MSGP requirements including visual monitoring. The Department shall honor request for technical assistance including on-site technical assistance inspections and SWPPP training.

***BMP:** Annually, Lewiston, Auburn, and Sabattus will continue to implement and update their SWPPPs.*

By the end of Permit Year 2, Lisbon will develop and begin implementing SWPPPs for public works facilities, transfer stations, and school bus maintenance facilities operated by the permittee, unless the facility is currently regulated under Maine’s Industrial Stormwater Program.

Permit Year 1

Auburn

The City of Auburn reviewed and updated the SWPPP for the Public Works Garage; the City continues to implement the SWPPPs developed in the previous permit cycle.

Lewiston

The City of Lewiston reviewed and updated the SWPPPs for the Public Works Facility and the Operations Center.

Lisbon

No action required.