

**GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER
FROM SMALL MUNICIPAL SEPARATE STORM SEWER
SYSTEMS
PERMIT YEAR TWO ANNUAL REPORT**

**SUBMITTED BY:
LEWISTON, AUBURN, SABATTUS STORMWATER WORKING GROUP (LASSWG)
AUGUST 2010**

MCM #1: PUBLIC EDUCATION AND OUTREACH
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◆ **Raise Awareness:**

Participation in regional events

1. ~~The LAS Stormwater Working group will sponsor a speaker or program on stormwater issues, at two Androscoggin River Watershed Council (ARWC) public events.~~

~~— PY 1:~~

~~No action for PY 1~~

2. ~~The LAS Stormwater Working group will participate in annual Androscoggin Valley Council of Government (AVCOG) workshops that pertain to stormwater issues.~~

~~— PY 1:~~

~~No action for PY 1~~

*ITEMS 1 & 2 WERE ELIMINATED IN PY 2 AND REPLACED WITH
“SPONSOR A SPEAKER OR PROGRAM AT TWO EVENTS (ARWC,
AVCOG, MEREDA, ANDROSCOGGIN RIVER DAYS, SCHOOLS, OR
SIMILAR EVENT)*

*CHANGE APPROVED BY ME DEP IN EMAIL FROM DAVE LADD DATED
1-6-2010*

1. Sponsor a speaker or program at two events ARWC, AVCOG, MEREDA, Androscoggin River Days, schools, or similar event).

PY 2:

LASSWG presented at a local MEREDA conference in March 2010 discussing the new ordinance for “post-construction BMP maintenance”.

The City of Lewiston’s stormwater manager spoke to the Lots to Gardens group regarding rain barrels in July 2009, assisted at the Androscoggin River Days event held by the Auburn Land Lab in September 2009, and presented on stormwater (impervious surfaces) at the Lewiston High School in May 2010 as part of the science curriculum.

Eric Cousens, Auburn Planner, spoke at the Taylor Pond Association's annual meeting, held September 2, 2009. Topics presented included issues regarding Shoreland Zoning, NRPA, stormwater management and erosion control.

2. Lewiston Auburn Water Pollution Control Authority (LAWPCA) will continue to offer educational tours of their facilities.

PY 1:

LAWPCA continued to host tours for Bates and University of Southern Maine-Lewiston college students during Permit Year 1. Additionally, LAWPCA hosted the Maine Compost School and provided a facility tour in June 2009. On September 13, 2008, LAWPCA hosted an Open House and about a dozen families came to see the plant and hear more about the Environmental Management System. Each LAWPCA tour includes an explanation of the need to protect stormwater and the interaction between stormwater and the sanitary sewer system in Auburn and Lewiston. Stormwater managers from Lewiston and Auburn participated in one tour.

PY 2:

LAWPCA hosted tours for the Maine Compost School and Pettingill School and held an Open House for the public.

Continue use of existing materials

1. The LAS Stormwater Working group will contribute to the statewide ad campaign, as requested.

PY 1:

LASSWG contributed to the statewide ad campaign. The share of the cost for broadcasting the “Ducky ads” was \$3000. Lewiston paid \$1689.36, Auburn paid \$1096.30 and Sabattus paid \$212.34.

PY 2:

No contributions required for PY 2.

2. ~~The LAS Stormwater Working group will publish an article in the Androscoggin River Watershed Council (ARWC) bi-annual newsletter twice during the permit cycle.~~

~~*No action for PY 1*~~

ITEM 2 WAS ELIMINATED IN PY 2 AS THE NEWSLETTER IS NO LONGER PUBLISHED.

CHANGE APPROVED BY ME DEP IN EMAIL FROM DAVE LADD DATED 1-6-2010

3. The LAS Stormwater Working group will distribute, through their respective city/town clerk’s office, a “pet waste” brochure to residents getting dog licenses.

PY 1:

LASSWG maintained a supply of pet waste brochures in their respective city/town offices and requested these also be given to those residents who are licensing their dogs.

PY 2:

LASSWG maintained a supply of pet waste brochures in their respective city/town offices and requested these also be given to those residents who are licensing their dogs.

4. The Lewiston stormwater manager will maintain the informational poster series displayed in the kiosk in Simard/Payne Memorial Park

PY 1:

The Lewiston stormwater manager developed and displayed in the kiosk in Simard/Payne Memorial Park seasonal posters providing home owner hints to stormwater management. This is not a goal for Auburn or Sabattus.

PY 2:

The Lewiston stormwater manager developed and displayed in the kiosk in Simard/Payne Memorial Park seasonal posters providing home owner hints to stormwater management. This is not a goal for Auburn or Sabattus.

5. The LAS Stormwater Working group will implement an educational poster series in the city halls of all three cities, with seasonal stormwater information.

PY 1:

This activity did not get initiated in PY 1 in a formal way in the City of Lewiston, but Lewiston continues to post stormwater information in City Hall. Lewiston will formalize a location in PY 2. Auburn has a dedicated tripod in City Hall for a stormwater information poster and Sabattus has a designated location in their Town Hall which is used to post stormwater information and announce up-coming events and workshops.

PY 2:

All three municipalities have identified locations for posting of stormwater events and information.

6. The LAS Stormwater Working group will advertise Androscoggin Valley Soil and Water Conservation District (AVSWCD) workshops

PY 1:

The LAS Stormwater Working group did not receive any requests to advertise Androscoggin Valley Soil and Water Conservation District (AVSWCD) workshops during PY 1.

PY 2:

The LAS Stormwater Working group did not receive any requests to advertise Androscoggin Valley Soil and Water Conservation District (AVSWCD) workshops during PY 2.

Work with & support existing partners and seek out new ones

1. During PY 1-5, the City of Lewiston will continue to support the No Name Pond Watershed Association by funding the mailings of newsletters to No Name Pond watershed residents, 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. The City of Auburn and the Town of Sabattus will provide similar support with the Taylor Pond Association and the Sabattus Pond Watershed Association, respectively.

PY 1:

Lewiston funded the water sampling contract for No Name Pond and contributed an article to their newsletter regarding the DEP pilot program for Volunteer River Monitoring and facilitated the initiation of the program for No Name Brook. Lewiston Public Works continued to sweep streets and clean catch basins in the No Name Pond watershed. The City of Lewiston stormwater manager gave presentations at the Lewiston High School to three sophomore classes. The curriculum included discussion of impervious surfaces and the presentations tied that into the impacts on stormwater quality and quantity. Also gave a presentation on the work being done in the Hart Brook Watershed and city-wide to the Lewiston Senior Citizens. Met also with the Lots to Gardens group to discuss possibilities of stormwater conservation and re-use in their garden plots.

Auburn invites the Taylor Pond Association to the stakeholder meetings; there was no attendance by Association members in the first permit year.

Sabattus Public Works continued to sweep streets and clean catch basins in the Sabattus Pond Watershed. The town provided the SPWP and the Sabattus Dam Commission with \$1500 each for monitoring, education and outreach efforts. Additionally, the town has supported SPWP by providing meeting space for monthly meetings at the town office and putting a link to SPWP's website on the town's website.

PY 2:

Lewiston funded the water sampling contract for No Name Pond and facilitated the re-certification training for the volunteer River Monitoring program for No Name Brook. Lewiston Public Works continued to sweep streets and clean catch basins in the No Name Pond watershed.

Eric Cousens, Auburn Planner, spoke at the Taylor Pond Association's annual meeting, held September 2, 2009. Topics presented included issues regarding Shoreland Zoning, NRPA, stormwater management and erosion control.

Sabattus Public Works continued to sweep streets and clean catch basins in the Sabattus Pond Watershed. The town provided the SPWP and the Sabattus Dam Commission with \$1500 each for monitoring, education and outreach efforts. Additionally, the town has supported SPWP by providing meeting space for monthly meetings at the town office and putting a link to SPWP's website on the town's website.

2. During PY 2, the LAS Stormwater Working group will investigate a partnership with the Androscoggin Valley Soil and Water Conservation District to help deliver stormwater information through yardscaping classes, promoting the purchase of rain barrels, and other workshops.

PY 1:

No action for PY 1

PY 2:

LASSWG continues to work with AVSWCD by advertising workshops, and promoting their rain barrel and wild flower sales. The City of Lewiston also partnered with AVSWCD in drafting a 319 grant proposal.

3. Continue partnerships with AVCOG, ARWC and AVSWCD

PY 1:

The City of Auburn, LAWPCA and the Auburn Water and Sewage District have partnered on a water quality monitoring program with the Androscoggin River Alliance (ARA). ARA volunteers will be sampling at 4 locations in the Lewiston/Auburn segment of the river for e coli, dissolved oxygen, temperature and specific conductivity in 2009 and 2010. The sampling program will work under a Maine DEP QAPP and will allow for consideration of an upgrade in Androscoggin River classification for the monitored segment. LAWPCA will provide sample analysis.

A similar effort is underway on No Name Brook in Lewiston. Volunteers from the No Name Pond Watershed Association were trained and certified on July 18, 2009. They began the sampling effort in July 2009 and will continue through September 2009. This will be an annual activity.

PY 2:

LAWPCA continued to provide sample analysis for the ARA water quality monitoring program.

The LASWWG works jointly with local organizations, specifically AVCOG, ARWC and AVSWCD to post and distribute stormwater information; organize, advertise and present workshops; submit grant proposal; and share expertise and manpower.

Develop a Stormwater Awareness Plan

1. By March 2, 2009 submit a plan to raise area residents understanding of stormwater issues.

PY 1:

Please see attachment 1.

PY 2-5:

No action required in PY 2-5, plan has been submitted and approved.

2. Start implementation of the Stormwater Awareness Plan by July 1, 2009.

PY 1:

No action for PY 1

PY 2:

Please see PY 2 attachment 1.

Evaluate and assess implementation and impact of plan

1. Assess target audience in year one to set baseline level of awareness.

PY 1:

Please see attachment 1.

PY 2-5:

No action for PY 2-5.

2. In PY 3 conduct cursory evaluation and assessment of both progress of implementing the plan and impact of the efforts/plan.

PY 1:

No action for PY 1.

PY 2:

No action for PY 2.

3. In PY 5 conduct in-depth assessment of both implementation and impact of the Plan.

PY 1:

No action for PY 1.

PY 2:

No action for PY 2.

◆ **Promote Behavior Change**

Continue efforts from previous MS4 permit cycle: Educate High Priority Businesses

1. In PY 1, this program will be evaluated to determine its effectiveness. Follow-up visits will be made to the ThinkBlue Business members.

By January 30, 2009 interview ThinkBlue Business members to ascertain their views of the program: what attracted them to it? What could be done to improve it? What would be their recommendations? Decide if ThinkBlue Business program will continue.

PY 1:

Letters and questionnaires were sent to the participating businesses in Lewiston and Auburn asking for their feedback on the program and suggested revisions. No responses were received from any business. This seems to imply lack of interest and enthusiasm, stormwater managers from Lewiston and Auburn feel that continuing the program is not a good use of time and money.

PY 2-5:

No action in PY 2-5, program will be discontinued.

2. If decide to continue ThinkBlue Business program, make improvements based on feed back from members and develops strategy by June 30, 2009 to increase membership.

PY 1:

No current plans to continue program.

PY 2-5:

No action in PY 2-5, program will be discontinued.

3. Propose to add 2 auto service businesses to the ThinkBlue Business program by the end of PY 2

PY 1:

No action for PY 1.

PY 2-5:

No action in PY 2-5, program will be discontinued.

4. Expand ThinkBlue Business to one new business sector by PY 3 and have a minimum of 4 businesses in the program by the end of PY 5.

PY 1:

No action for PY 1.

PY 2-5:

No action in PY 2-5, program will be discontinued.

Develop and implement a Behavior Change Plan

1. By March 2, 2009 submit a plan to encourage a defined, targeted audience to adopt or practice specific BMPs that will reduce stormwater pollution.

PY 1:

Plan was submitted on March 3, 2009. Response received from DEP on April 30, requesting some minor revisions, re-submitted on May 27 and approved on July 14, 2009.

PY 2-5:

No action required in PY 2-5, plan has been submitted and approved.

2. Implement Behavior Change Plan during PY 2-5.

PY 1:

No action for PY 1.

PY 2:

A workshop was held in Lewiston on July 28 2009, advertised via a press release on July 9, 2009 and mailers sent to residents in the target area on July 7, 2009. Workshop had 21 attendees, from Lewiston and Auburn, 11 attendees requested and were sent additional materials on rain barrels. Lewiston used results from a previous 319 grant funded Neighborhood Assessment to determine baseline numbers in target area of homes having downspouts that directly discharge to the street. In June of 2010, a follow-up survey was done of the target area, to inventory how many residents had made a change to their drainage patterns following the receipt of the mailers and/or attendance at the workshop. The results showed a large number had made changes to re-direct drainage back to their lawns, from 65% to 38%, a dramatic change, which seems quite unrealistic. The pre and post surveys were done by two different groups and it is felt that the survey protocol may have varied, skewing results. Therefore, I would like to request that the first round of the Behavior Change Plan be used as a pilot and the results considered inconclusive. This first round provided a great learning curve as to how to set up the workshops and what information residents are looking for. In PY 3, a pre-workshop survey will be done of the next target area and the plan is for the same individuals to do the post-workshop inventory next spring. Hopefully, this method will provide more realistic results.

Sabattus held a workshop on August 17, 2009, advertised via 500 flyers passed out at the town's transfer station. There were no attendees. It is felt that a joint workshop for Lewiston, Auburn and Sabattus may be more beneficial and will be tried in PY 3.

Evaluate and assess implementation and impact of BMP Adoption Plan

1. Assess target audience in year one to set baseline level of awareness.

PY 1:

Results from previous neighborhood survey conducted in summer 2008 were used to determine baseline level of behavior for Lewiston target area. Auburn and Sabattus are in the process of completing drive-by surveys in their target areas to establish baseline numbers.

PY 2-5:

No action in PY 2-5. Item completed in PY 1.

2. In PY 3 conduct cursory evaluation and assessment of both progress of implementing the plan and impact of the efforts/plan.

PY 1:

No action for PY 1.

PY 2:

No action for PY 2.

3. In PY 5 conduct in-depth assessment of both implementation and impact of the Plan.

PY 1:

No action for PY 1.

PY 2:

No action for PY 2.

◆ **Public Notice**

Provide an opportunity and encourage public input into regional stormwater program

1. LAS Stormwater Working group will follow state and local Public Notice requirements for LAS Stormwater Working group Stormwater Management Plan. The plan will be made available on the Maine DEP web site.

PY 1:

No Public Notice Requirements were invoked during PY 1. All three LASSWG municipalities posted the joint Stormwater Management Plan on their respective websites.

PY 2-5:

No further action, the LASSWG posted a public notice regarding our Notices of Intent to comply with the MS4 permit and the plans have been posted on the individual municipal websites.

2. LAS Stormwater Working group will provide opportunities for stakeholder input and involvement during implementation of the Stormwater Program.

PY 1:

LASSWG held stakeholder meetings on February 10, 2009 and May 12, 2009.

PY 2:

LASSWG held stakeholder meetings on August 4, 2009 and January 12, 2010.

◆ **Host Regional Public Events**

Host regional event

1. The communities of LAS will jointly host an event each permit year to promote stormwater related issues. The event may vary year to year but will target residents of LAS.

PY 1:

Lewiston facilitated World Water Monitoring Day events with Boy Scout Pack 116 by sampling the water in the urban impaired Hart Brook. This has become an annual event. Lewiston stormwater manager provides handouts,

discusses stormwater runoff, and explains the testing to be done. The water is tested for pH, temperature, dissolved oxygen and turbidity. The results are posted on the World Water Monitoring Day website.

In Auburn the Royal River Youth Conservation Corps (RRYCC) stenciled all the catch basins in the Royal River Watershed.

Sabattus sponsored a stormwater themed poster contest with students in grades 1-8. 120 students participate, and prizes were awarded for 1st, 2nd, and 3rd place for each age group. Themes were:

*Only rain down the drain Storm drains lead to streams
Water is our world We all live downstream
All creatures need clean water Protect our water it's our future
Stormwater does matter Water helps us every day
Clean water = Healthy People*

All entries were on display at the Town Office.

PY 2:

Lewiston participated in the Androscoggin River Days sponsored by the Auburn Land Lab and presented at a MEREDA conference to discuss the new post construction BMP stormwater ordinance

Auburn presented at a MEREDA conference to discuss the new post construction BMP stormwater ordinance.

Sabattus sponsored a stormwater themed poster contest with students in grades 1-8. 86 students participated, and prizes were awarded for 1st, 2nd, and 3rd place for each age group. Themes were:

- 1. Don't let your runoff, run off!*
- 2. Saving water saves you money!*
- 3. Re-use will help keep Stormwater Clean!*
- 4. Composting: Turning Garbage into Gold!*
- 5. Rain Gardens Filter out Pollutants!*
- 6. Composting is Recycling!*
- 7. Rain Gardens are Green!*
- 8. Rain Gardens clean water naturally!*
- 9. Green lawns not ponds!*

All entries were on display at the Town Office.

Encourage participation of students k-12 in community events

1. The LAS Stormwater Working group will provide literature regarding planned community events to the local schools with an invitation to join in the activity. At least two (2) activities will be planned, during this permit cycle, which are specifically designed for student participation.

PY 1:

Events above were focused on K-12 students

PY 2:

Androscoggin River Days and the poster contest focused on students in grades k-12.

◆ **Assist With Household Hazardous Waste Program**

Promote the Western Maine Environmental Depot for disposal of household hazardous waste

1. The LAS Stormwater Working group Stormwater managers will continue to promote the use of the Western Maine Environmental Depot as a positive means of keeping hazardous materials out of the storm drain system. The Depot was opened in Lewiston in September 2005. The Depot, owned by the Androscoggin Valley Council of Governments and operated by Maine Environmental Depot, LLC, is open to residents of Lewiston, Auburn, Sabattus and other participating towns. The Depot accepts household hazardous waste twice per month from April to November.

PY 1:

LASSWG municipalities maintain posters and brochures promoting the Western Maine Environmental Depot.

PY 2:

LASSWG municipalities maintain posters and brochures promoting the Western Maine Environmental Depot

MCM #3	ILLCIT DISCHARGE DETECTION AND ELIMINATION
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◆ **Watershed based storm sewer system infrastructure map.**

Develop a watershed based storm sewer system infrastructure map

1. At a minimum, each individual MS4 will review their respective storm sewer infrastructure maps and revise as necessary in PY 1.

PY 1:

Each LASSWG municipality has reviewed their stormwater infrastructure maps and has prioritized watersheds. A prioritized list of watersheds for each member of LASSWG follows:

<i>Lewiston</i>	<i>1. Hart Brook</i>	<i>2. Jepson Brook</i>
<i>Auburn</i>	<i>1. Logan Brook</i>	
<i>Sabattus</i>	<i>1. Sabattus Pond</i>	

The City of Lewiston has all watersheds and above ground storm water features identified in their GIS database and are currently working to identify all underground infrastructure, i.e. piping location, size and material. The field work has begun in the Hart Brook watershed.

The City of Auburn has begun the review of its current stormwater GIS geodatabase (i.e. watersheds, pipes, structures, surface drainage, etc.) to determine what the additional data creation and collection needs are. Additionally, the City is analyzing specific feature class databases to determine if there are refinements that can be made to the current data to enhance data collection efficiency and attribute value. Logan Brook's (Auburn's Urban Impaired Stream) watershed boundary and stormwater infrastructure was fully integrated into GIS in 2008.

The Town of Sabattus has all stormwater infrastructure mapping complete.

PY 2-5:

No action for PY 2-5, item completed in PY 1.

2. Annually, starting in PY 2, each MS4 will map at least 25% of the storm sewer infrastructure within the respective regulated urbanized area. Note: initiate mapping in the MS4's highest priority watershed as noted above.

PY 1:

No action for PY 1.

PY 2:

Lewiston has awarded a contract for completing storm drain mapping, beginning in the Hart Brook Watershed. Contract includes verification of above ground structures; and location and identification of underground piping to include material type, pipe size and inverts.

The City of Auburn is currently working to standardize dataset structure for stormwater drainage system geodatabase across various city departments. In 2009-2010, the City conducted an analysis of spatial issues with culverts and outfalls and is actively working to make corrections to the database. The City is continuing its work to map connecting pipe infrastructure using a standard database format. At this time approximately 90% of City-owned infrastructure (Manholes/Catchbasins) and approximately 25% of pipes are thought to be mapped.

The Town of Sabattus has all stormwater infrastructure mapping complete within its urbanized area.

3. By the end of the PY 5, each regulated MS4 in the LAS stormwater working group will develop watershed based storm sewer system infrastructure maps 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 regulated small MS4.

PY 1:

No action for PY 1.

PY 2:

Lewiston and Auburn are continuing their stormwater infrastructure mapping program.

The Town of Sabattus has all stormwater infrastructure mapping complete within it urbanized area.

◆ **Non-stormwater discharge ordinance.**

Continue enforcement of non-stormwater discharge ordinance

1. Routinely inspect for non-stormwater discharges during scheduled maintenance work, scheduled inspections, and customer call-ins

PY 1:

Public works departments associated with LASSWG municipalities continue this action opportunistically during maintenance activities.

PY 2:

Public works departments associated with LASSWG municipalities continue this action opportunistically during maintenance activities, during catch basin cleaning inspection and through the citizen call-in line.

2. Review procedure for action to be taken when non-stormwater discharge is detected, revise as necessary

PY 1:

Employees are informed of whom to notify and what actions to take if a possible non-stormwater discharge is detected.

PY 2:

Employees are informed of whom to notify and what actions to take if a possible non-stormwater discharge is detected. This is re-enforced in the annual training program.

3. Evaluate non-stormwater discharge incidents to determine if a trend exists

PY 1:

No incidents occurred in Lewiston in PY 1.

The City of Auburn code enforcement officer investigated a possible illicit discharge from a citizen call-in complaint. Initial investigation revealed that the property may have had a septic system failure at some time in the past. Dye testing and other investigations indicated that the septic system was functioning appropriately but monitoring of the property will be ongoing. The Washington Street property has the potential to discharge into the Little Androscoggin River.

Four septic system failures were reported in Auburn in 2008-2009. Most of these failures were due to septic tank maintenance issues and were remedied with pumping. Two of the issues are still being resolved.

No incidents occurred in Sabattus in PY 1.

PY 2:

The City of Lewiston had 7 incidents of spilled oil, gas and/or diesel fuel. One entered a catch basin which was part of the combined sewer system, therefore discharged at LAWPCA. The remaining spills were contained with absorbent materials, swept up and disposed. All except two, were resolved the same day, the remaining two were resolved the day after.

Auburn: The Washington Street property reported to have the potential to discharge sewerage into the Little Androscoggin River in permit year 2008-2009 has been monitored for repeat discharges. As of July 2010 there is no evidence of new discharges and the problem appears to have been corrected.

Five septic system failures were reported in Auburn in 2009-2010. Most of these failures were due to septic tank maintenance issues and collapsed drain lines and were remedied with pumping and/or repairs as required. One of the issues is still being resolved.

Sabattus discovered one illegal discharge. A washing machine for an apartment building was discharging into a ditch. It was corrected by the property owner once it was detected and is now hooked up to the sewer system.

4. Revise procedures to combat trend, if applicable

PY 1:

NA

PY 2:

NA

◆ **Dry weather outfall inspection program.**

Develop dry weather outfall inspection program

1. By end of PY 1, select and delineate a priority watershed.

PY 1:

Lewiston has selected Hart Brook Watershed as a priority watershed. Hart Brook is identified as an urban impaired stream and has an approved Watershed Management Plan.

The City of Auburn selected the urban impaired Logan Brook as its priority watershed. This small watershed (approximately 150 acres) does not contain significant subwatersheds and therefore no priority subwatersheds have been identified.

In 2008, the City of Auburn improved the boundary delineation of the Logan Brook watershed in order to account for below ground stormwater infrastructure, recent development and rooftop runoff conveyance in the Maine Mall area.

Sabattus's urbanized area lies entirely within the Sabattus River watershed.

PY 2-5:

No action for PY 2-5. Item completed in PY 1.

2. By end of PY 1, determine two highest priority sub-watersheds (discussed w/DEP prior to submitting Plan)

PY 1:

Lewiston has selected the Industry and Valley sub-watersheds within the Urban Impaired Hart Brook.

Auburn – N/A

Sabattus - N/A

PY 2-5:

No action for PY 2-5. Item completed in PY 1.

3. By end of PY 1 have SOP for dry weather outfall inspection program.

PY 1:

All three LASWWG communities follow the SOP as outlined in Volume 2 of the GUIDELINES AND STANDARD OPERATING PROCEDURES For Stormwater Phase II Communities in Maine

PY 2-5:

No action for PY 2-5. Item completed in PY 1.

4. By end of PY 2 have forms and data collection system in place for dry weather outfall inspections.

PY 1:

No action for PY 1.

PY 2:

Forms and procedure for dry weather outfall inspections are complete and in use.

5. By end of PY 2 have trained MS4 staff on how to conduct and record dry weather inspections.

PY 1:

No action for PY 1.

PY 2:

Staff is trained on execution of dry weather outfall inspections.

6. By end of PY 1, develop and implement a policy/procedure or protocol that identifies the steps that must be taken when an illicit discharge is encountered. Include situations that would trigger repeat inspections.

PY 1:

All three LASWWG communities have a procedure for handling the discovery of possible illicit discharge based on the SOP referenced above. Repeat inspections are completed if there is significant flow, a lingering odor or residue after 72 hours of no rainfall.

PY 2-5:

No action for PY 2-5. Item completed in PY 1.

Implement dry weather inspection program

1. By the end of PY 1, conduct dry weather outfall inspections in the two highest priority sub-watersheds. Ensure sub-watersheds have a minimum of 8-10 outfalls.

PY 1:

The City of Lewiston had previously identified the outfalls in the Hart Brook watershed. However, the information was available in different data bases and formats and the annotation of the nodes in the GIS system was not consistent. Considerable time was dedicated in PY 1 to verify and consolidate this information. These outfalls were initially inspected in December 2005 and will be scheduled for summer 2009 weather depending. The City of Lewiston intends to have the data verified and an inspection schedule completed by end summer 2009. Outfall inspections have been done in November 2004, December 2005, summer of 2007 and summer of 2008.

In Permit Year 1, the City of Auburn conducted a review of Logan Brook outfalls to inform the development of an outfall inspection program for Logan Brook (and the rest of the city). Outfall locations were confirmed and inspected and an ArcGIS feature class, Logan Brook Stormwater Outfalls, was developed.

In 2009, twelve (12) piped stormwater outfalls within the Logan Brook watershed were confirmed as accessible. Portions of the stream are conveyed through pipe and at least three outfalls are directly connected to the piped conveyance and not accessible without confined space entry procedures. These outfalls will not be included in a dry weather outfall inspection program, but will be addressed via upstream catch basin cleaning opportunistic inspections for IDDE. Of the twelve (12) stormwater outfalls, only two (2) would be considered MS4 discharges. These two outfalls discharge from state roadways managed by the municipality through an urban compact agreement. The remaining ten (10) outfalls are discharging from private facilities and privately owned impervious areas directly into the Logan Brook. It appears likely that there are open conveyance discharges within this watershed which will be identified, mapped and inspected in future compliance with this MCM.

Dry weather inspections of accessible outfalls were conducted in 2009. Field inspection is conducted using PDAs and Windows Mobile forms and stored in a Microsoft Access database. No illicit discharges were detected but one outfall did exhibit some indicators of transitory or intermittent illicit discharges (possibly commercial washwater) and will be reevaluated in PY 2.

It is the Auburn's goal to develop a systematic approach to reducing and eliminating IDDE in Logan Brook and the City. Additional dry weather inspections will be conducted in Logan Brook during PY 2. If there continue to be no indication of permanent illicit discharges within this watershed then the City would like to consider mobilizing limited resources on other locations in the City to be determined through a GIS-based subwatershed prioritization process.

Sabattus has no subwatersheds. Sabattus completed its dry weather outfall inspection of its 8 mapped outfalls.

Sabattus identified 3 additional outfalls that had not been mapped and will be included in the GIS database in 2009.

PY 2-5:

No action for PY 2-5. Item completed in PY 1.

2. In PY 2-5, conduct annual dry weather outfall inspections in additional sub-watersheds. Note: document and make use of opportunistic inspections.

PY 1:

No action for PY 1

PY 2:

The City of Lewiston conducted dry weather outfall inspections in the Hart Brook Watershed. The inspections included 17 outfalls.

Dry weather inspections were conducted in Logan Brook during PY 2 on the outfalls owned or operated by the municipality. Field inspection is conducted using PDAs and Windows Mobile forms and stored in a Microsoft Access database. No indications of illicit discharges were determined to exist at these locations. The City may consider conducting IDDE dry weather inspections in another location in the City and as determined through a GIS-based subwatershed prioritization process in order to maximize the value of dry weather inspections. Opportunistic inspections were conducted during catchbasin cleaning in non-Logan Brook watershed areas.

Sabattus completed dry weather outfall inspections of its 11 identified outfalls

◆ **Open Ditch Illicit Discharge Program**

Develop open ditch illicit discharge program

1. By the end of PY 3, identify and map the open ditch MS4s within the highest priority watershed.

PY 1:

No action for PY 1

PY 2:

Lewiston has reviewed the ditch open ditch system and found no ditches in the urbanized areas of the City of Lewiston.

Sabattus has begun mapping ditches in the urbanized area, approximately 50% complete, and will have the mapping of ditches complete by end of PY 3.

2. During PY 2-5, the LASSWG will work together during the permit cycle to develop and implement a method for detecting illicit discharges in their open ditch system within the highest priority watershed of each regulated MS4. Possible methods for detection that could be used include but are not limited to the use of optical brighteners, an inspection internship program and some type of municipal inspection program. The LASSWG will work together where possible.

PY 1:

No action for PY 1

PY 2:

Lewiston has reviewed the ditch open ditch system and found no ditches in the urbanized areas of the City of Lewiston.

Auburn has begun the process of evaluating the open ditch MS4 system in the Logan Brook watershed. Confirmation of open ditch system will take place in 2010-2011.

Sabattus will visually inspect ditches using a program based on the outfall inspection program.

3. By the end of PY 5 the LASSWG will develop and implement a strategy for detecting and eliminating illicit discharges within the respective LAS MS4's open ditch system in their highest priority watershed. Individual MS4s in the LASSWG may opt to develop and implement their own strategy prior to the end of Year 5.

PY 1:

No action for PY 1

PY 2:

No action for PY 2

◆ **Continue Combined Sewer Overflow (CSO) program**

Continue CSO program

1. Both the cities of Lewiston and Auburn will continue their on-going CSO programs being executed in response to the Clean Water Act. These programs include inspections, studies, separation and / or storage projects with an end result of eliminating septic sewer from the storm sewer system.

PY 1:

Lewiston's CSO master plan is on track. Further information is available in Lewiston's Annual CSO Report.

As documented in the Auburn 2008 Annual CSO Progress Report developed for the MaineDEP, since the implementation of the CSO Master Plan, the City and Auburn Water and Sewage District have reduced the number of CSO points by 73 percent (from 11 to 3 regulators). CSO # 003, located on Washington Street, was separated in 2008. A total of 10,943 feet of sewer separation was completed at a cost of \$955,908. The CSO Master Plan is 74% complete and ahead of schedule.

In addition, 1,400 catch basins in the City of Auburn combined sewer system were cleaned and 5000 feet of sewer were cleaned. CSO separation work is conducted to ensure that no illicit connections to the storm drain occur once the separation is complete.

PY 2:

Lewiston's CSO master plan is on track. Further information is available in Lewiston's Annual CSO Report.

In Auburn in 2009, a total of 21,618 feet of sewer separation was completed at a cost of approximately \$2,522,722 bringing the total expenses for CSO separation to \$16,673,369 (with a projected total cost of \$19.2M). This year's effort brings completion of the CSO Master Plan to 87%. This included the removal of 205 catch basins from the combined sewer.

Since the implementation of the CSO Master Plan the District has provided separation with approximately 31.0 miles of new mains.

Since the implementation of the CSO Master Plan the number of CSO points has been reduced by 73% from 11 to 3 regulators. The District tried to seal one of the remaining 3 regulators, but unfortunately had to re-open it in early 2010. It is expected that CSO # 005 Miller Street will be sealed in 2010 reducing the number of active CSO's to two next year.

Auburn remains ahead of schedule to achieve full separation of the combined sewer system prior to the 2014 Master Plan deadline.

In 2009, the District cleaned approximately 10,975 feet of sanitary sewer and videoed about 6,290 feet of sanitary or combined sewer. The City reported that they once again cleaned approximately 1,400 CB's.

◆ **Continue Significant Industrial Users (SIU) program**

Continue Significant Industrial Users (SIU) program

1. The cities of Lewiston and Auburn will continue to support the LA Water Pollution Control Authority (LAWPCA) SIU program. The LAWPCA permits 23 industrial users as Significant Industrial Users (SIUs). 12 are in Auburn, 10 are in Lewiston, and one is in Poland but has sewer service from Auburn. SIU's are required to meet LAWPCA's rules and regulations for discharge. They may also have State/federal requirements for categorical industrial users, depending on what kind of manufacturing or services they provide. LAWPCA enforces these State/federal rules, as well. As part of the LAWPCA pretreatment program, LAWPCA inspects each facility at least once per year. Part of the inspection involves an environmental permits audit which includes identification of the users with stormwater permits, detention ponds, chemical storage areas near storm drains, etc. LAWPCA collects the

information and puts it on file. If it is felt that there is a problem with a stormwater discharge, the facility's SIU rep. is informed. If it's not corrected, the problem is forwarded to the City or Maine DEP.

PY 1:

LAWPCA Pretreatment Program inspectors visited all 13 regulated SIUs in Auburn during their pretreatment year (September 1, 2008 - August 31, 2009). LAWPCA typically records notations and observations regarding industrial site stormwater during their inspections, including whether or not each SIU has a stormwater permit. No potential discharges to the storm sewer system were noted.

The cities of Lewiston and Auburn received no notices as part of the SIU program in PY 1.

PY 2:

LAWPCA Pretreatment Program inspectors visited all regulated SIUs in Lewiston/Auburn during their pretreatment year (September 1, 2009 - August 31, 2010). LAWPCA typically records notations and observations regarding industrial site stormwater during their inspections, including whether or not each SIU has a stormwater permit. No potential discharges to the storm sewer system were noted. Bates College in Lewiston is no longer an SIU permitted facility so total number of SIUs in the LAWPCA program is now 22.

The cities of Lewiston and Auburn received no notices as part of the SIU program in PY 2.

MCM #4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

◆ **Procedure to notify developers when required to obtain Maine Construction General Permit (MCGP)**

Procedure to notify developers when required to apply for a MCGP

1. The Cities of Lewiston, Auburn and Sabattus have revised their building permit application form to include a question to trigger awareness of the Maine Construction General Permit (MCGP). If the proposed project will disturb one acre or greater, the applicant is directed to obtain a MCGP.

PY 1:

LASSWG municipalities have revised their building permits so that developers are aware when a MCGP is required.

PY 2-5:

No further action required, item is complete.

◆ **Document construction activity disturbing greater or equal to 1 acre**

Annually document construction activity(s) disturbing greater or equal to 1 acre, located within the UA

1. By the end of PY 1, LAS will have developed a program for tracking all construction activity disturbing greater or equal to 1 acre. This will be accomplished with the revised building permit application and an electronic data base. This data base will also identify the watershed in which the activity is occurring.

PY 1:

Lewiston has drafted a development review spreadsheet to track all projects including size of disturbance, size of development, watershed and any post-construction BMPs installed.

Lewiston had 1 project that disturbed greater than 1 acre.

The City of Auburn maintains an Excel database to track all development activity. Projects that exceed one acre or more are manually tracked by the Code Enforcement and Planning staff. The City is currently considering planning software that will greatly improve tracking of all planning and permitting activity and that has the capability to track stormwater related activities as well. Currently the City has reduced the potential software to two programs, CityView and Energov. Both software packages are GIS-enabled and can be set up for custom applications. The City of Auburn planning and code enforcement staff has been reduced by 20% and it is thought that this software will enhance efficiency for remaining employees.

The City of Auburn had 3 projects that triggered the Maine Construction General Permit in Permit Year 1.

Sabattus had no projects which disturbed greater than 1 acre in PY 1.

PY 2:

The cities of Lewiston and Auburn are now close to being fully on-line with EnerGov, an asset management program that will be used to track stormwater related activities to include construction activities.

Lewiston had three projects begin construction within the urbanized area in PY 2 that disturbed 1 or more acres.

The City of Auburn had 4 projects that triggered the Maine Construction General Permit in Permit Year 2.

Sabattus will continue using current tracking program. There were no projects disturbing greater than 1 acre in PY 2.

◆ **Construction site inspection**

Develop construction site inspection program

1. By end of PY 1 have SOP for construction site inspection program. SOP may include requirement for third party inspections if staff is unavailable.

PY 1:

Lewiston requires all new and redevelopment projects that disturb 1 acre or greater to employ third party inspection throughout the construction phase. Projects disturbing less than 1 acre are inspected in house.

The City of Auburn continues to maintain a Standard Operating Procedure for site inspections during development. City code enforcement staff visit all permitted activity (greater and less than one acre of disturbance) within the City 5-7 times during the course of the construction project. These inspections are focused on Building, Electrical, and Plumbing and include Erosion and Sediment Control Review. Additionally, all fill permits filed with the City (over 10 cy of fill) are inspected at least once per permit. It is the intention of the City to develop specific erosion and sediment control inspection forms as a part of planning software upgrades. .

The Town of Sabattus - Code Enforcement officer conducts inspections of all new development related to building code and general erosion and sediment control. The Town maintains an erosion and sediment control checklist that is utilized for projects that require construction site inspection. There were no projects requiring inspection in PY1.

Py 2-5:

No further action required, SOPs in place and in use.

2. By end of PY 1 the LASSWG will review existing construction inspection form to ensure it includes all requirements for compliance with MCGP and Chapter 500 and revise as necessary. Form will include requirement for E&S plan for all projects disturbing greater than or equal to 1 acre. The inspector will review this plan either prior to construction or at the first site inspection.

The inspection form will be revised to document size of construction site (less than one acre or equal or greater than one acre) and to include location of the construction, i.e. urban impaired stream watershed or other high priority watershed. Those will require at least three inspections. Construction located in areas other than those noted above, will require at least two inspections. One inspection for all construction sites will be at project completion to ensure all post-construction BMPs were installed and are functioning properly and that final site stabilization has been completed.

PY 1:

Lewiston requires all new and redevelopment projects that disturb 1 acre or greater to employ third party inspection throughout the construction phase. Projects disturbing less than 1 acre are inspected in house.

The City of Auburn intends for future planning and permitting software package to include standard construction inspection forms for erosion and sediment control.

The Sabattus Code Enforcement Officer/Building Inspector is responsible for construction site inspection and is in the process of reviewing the inspection form to ensure all compliance requirements for the MCGP and Chapter 500 are included.

PY 2:

The Cities of Lewiston and Auburn will be using the Energov program which includes construction inspection forms, which have been customized by both municipalities to include erosion and sediment control requirements.

Additionally, in Auburn a fill permit is required for any project disturbing more than 10 cy of material. The City Engineering Technician inspects all of the sites requiring fill permit as part of the construction site inspection program.

Sabattus will continue to use their inspection form which has been revised to include all compliance requirements for the MCGP and Chapter 500 are included.

3. By October 30, 2009 have trained MS4 staff on how to conduct and record construction site inspections.

PY 1:

No action for PY 1

PY 2:

Site inspections for the City of Lewiston are completed by third parties hired by the developers.

The inspectors for the city of Auburn are trained on conducting inspections and on EnerGov for recording.

Sabattus Code Enforcement Officer is trained and conducts inspections.

Implement construction site inspection program

1. By end of PY2 implement construction site inspection program.

PY 1:

No action for PY 1

PY 2:

The City of Auburn continues to maintain a Standard Operating Procedure for site inspections during development. City code enforcement staff visit all permitted activity (greater and less than one acre of disturbance) within the City 5-7 times during the course of the construction project. These inspections are focused on Building, Electrical, and Plumbing and include Erosion and Sediment Control Review. Additionally, all fill permits filed with the City (over 10 cy of fill) are inspected at least once per permit. The City has developed an erosion and sediment control inspection list as a part of planning software upgrades. The list is now being used as a guide for fill permit inspections and staff will have laptops in the field for recording during the upcoming permit year.

◆ **Municipal Post-Construction Program**

Implement a stormwater runoff control program

1. The Cities of Lewiston, Auburn, and Sabattus have revised their ordinances to reflect the most recent Chapter 500 revisions with regard to stormwater runoff controls for projects disturbing one or more acres. The ordinance requires adherence to Maine Stormwater Management Law 38 M.R.S.A Section 420-D and regulations promulgated there under, specifically Rules 500 and 502. Enforcement of this ordinance will be the city's program for ensuring appropriate post-construction BMPs are installed for projects which disturb one acre or greater.

PY 1:

Lewiston had 1 project constructed that had post construction BMPs installed.

Of the three projects that disturbed more than one acre, the City of Auburn had two projects that included post-construction BMPs implemented as required under the Maine Stormwater Management Law and one project that was a part of a common scheme of development that already had stormwater management controls in place. Each of these projects was permitted prior to the enactment of the City's post-construction ordinance.

Sabattus had no projects constructed that had post construction BMPs installed in PY 1.

PY 2:

The City of Lewiston currently has three projects under construction that will be installing post-construction BMPs and will require compliance with the city's Post-construction BMP Maintenance and Inspection ordinance.

The City of Auburn had 4 projects that triggered the Maine Construction General Permit in Permit Year and will be installing post-construction BMPs. These projects will require compliance with the city's Post-construction BMP Maintenance and Inspection ordinance once complete.

Sabattus had no projects constructed that had post construction BMPs installed in PY 1.

2. Development review procedures will include review of post-construction BMPs and recording of BMPs to track annual inspection and 5 year re-cert reporting requirements.

PY 1:

Lewiston has drafted development review spreadsheet to track post-construction BMPs

The City of Auburn intends for its future planning software to manage the tracking of these projects.

Sabattus will track and record all annual inspections.

PY 2:

The Cities of Lewiston and Auburn will be using the Energov program for tracking post-construction BMP inspections and re-certifications.

Sabattus will continue to track and record all annual inspections in a spreadsheet format.

◆ **Implement Post-Construction BMP Long-term Operation and Maintenance Ordinance**

Evaluate model post-construction BMP long-term operation and maintenance ordinance developed for regulated MS4s

1. In PY 1 the LASSWG will adapt the model ordinance or other DEP approved measure to meet the desired format of each municipality.

PY 1:

All LASSWG municipalities have adapted model ordinance for post construction BMP long-term O&M

PY 2-5:

No further action required, item completed in PY 1.

2. By the end of PY 1 LASSWG shall implement a post construction BMP operation and maintenance ordinance or similar measure that ensures long term operation and maintenance of post construction BMPs.

PY 1:

Lewiston received a 60 day extension on adopting the ordinance. Due to unplanned re-organization within the city's administration, this date was not met. The ordinance will be heard by the Planning Board on Sept 28, 2009 and twice by the City Council, Oct 6 and Oct 20, 2009. The ordinance will become effective November 20, 2009.

The City of Auburn Post-Construction Stormwater Management Ordinance was developed through collaboration between the Department of Community Services and Department of Planning. The City Council received a workshop and attended a meeting facilitated by the Department of Community Services on the post-construction ordinance prior to the first reading. The first reading of the ordinance Amendment to Chapter 32, Section 10 was on July 6, 2009 and the second reading was on July 20, 2009 at the City Council Meeting. The Ordinance was approved and went into effect on July 20, 2009.

Sabattus Post Construction Stormwater Ordinance was adopted May 30th, 2000. Sabattus will require all projects that include post-construction stormwater management systems to engage a third-party inspector and to provide annual reports to the Town's Code Enforcement officer. The Code Enforcement officer will track all post-construction BMPs.

PY 2-5:

The City of Lewiston's Post-construction stormwater management standards went into effect on 12/31/2009 and were included as Section 15 of appendix A, Zoning and Land Use Code, Article XIII. Development Review and Standards.

No further action required for PY 2-5, item completed in PY 1.

3. In PY 2-5 implement the post construction ordinance.

PY 1:

No action for PY 1

PY 2:

Ordinance is being implemented in all three municipalities. There were no projects constructed in PY 2 that will require compliance with this ordinance.

◆ **Post-Construction Site Inspection and Maintenance**

Develop and implement an inspection program for sites which do not have qualified third party inspections

1. In PY 1 the LASSWG will develop an inspection program and inspection report form for post-construction inspections.

PY 1:

Lewiston requires all new and redevelopment projects that disturb 1 acre or greater to employ third party inspection throughout the construction phase. Projects disturbing less than 1 acre are inspected in house.

The City of Auburn passed its post-construction ordinance on July 20th. As of this date there have not been any projects that have required post-construction stormwater BMPs.

In an effort to inform developers and promote effective inspection and maintenance, the City of Auburn developed a Stormwater Facilities Inspection and Maintenance Certification Protocol packet. This packet provides a basic overview of the annual certification process, including the annual certification form, an overview of standard Maine DEP stormwater management systems and a copy of the inspection checklist from the Maine DEP Stormwater Management Manual. The packet will be posted on the Auburn website with live links to other pertinent stormwater information. The City understands that the Maine DEP will be considering a revision to its stormwater BMP checklist over the fall and winter of 2009/2010. Once the checklist is updated to include recently accepted BMPs the City will consider development of an updated inspection checklist to be utilized on any projects requiring post-construction inspection in 2010.

PY 2-5:

No further action required, item completed in PY 1.

2. In PY2 LASSWG will implement the inspection program using the inspection report form and begin development of a database system for managing the inspection data.

PY 1:

No action for PY 1.

PY 2:

The Cities of Lewiston and Auburn will be using the Energov program for managing inspection data. Lewiston requires all development to have third party inspection and Auburn will continue to do inspections with the developed form.

Sabattus will continue doing inspections and will track and record all inspections in a spreadsheet format.

3. By the end of PY 2, complete database and training

PY 1:

No action for PY 1

PY 2:

EnerGov is on-line and training is complete for Lewiston and Auburn. Sabattus CEO is trained in inspections and will continue to track and record all inspections in a spreadsheets format.

4. In PY 2-5 the LASSWG will continue inspection program and document all inspection results and conduct yearly evaluations as necessary.

PY 1:

No action for PY 1

PY 2-5:

LASWWG will continue current inspection programs and documentation procedures throughout the permit cycle.

MCM #6	POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS
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◆ **Operations at municipally owned grounds and facilities.**

Evaluate existing facilities and operations

1. By June 30, 2009 inventory all municipally owned grounds and facilities in order to identify potential stormwater pollutants.

PY 1:

Lewiston has completed an inventory of municipally owned grounds and facilities and the operations which are done at each and identified potential stormwater pollutants.

Auburn has conducted a GIS-based inventory of all municipally owned parcels in the City. The City's stormwater program manager is scheduling a meeting with other City departments to determine what operations conducted in, on, or associated with these facilities and properties have the potential to contribute to stormwater pollution.

Sabattus has an inventory of all municipally owned properties. Sabattus has met with Maine DEP personnel in regards to structural and non-structural BMP's on its municipal facilities.

PY 2-5:

Auburn has finalized an excel spreadsheet list of municipally owned parcels and activities on those parcels that may cause or contribute to stormwater pollution.

No further action for PY 2-5, item completed in PY 1.

2. By June 30, 2010, develop and implement O & M procedures for municipal facilities and activities in the highest priority watershed.

PY 1:

No action for PY 1

PY 2:

O & M Manuals were developed for activities that take place at municipal facilities. These include: fire stations, pump stations, landscaping, sweeping and winter operations. These will apply to these activities throughout all watersheds in the urbanized areas in each of the municipalities.

The City of Auburn does not have any municipally owned facilities in the Logan Brook watershed. SOP for municipal activities will be implemented for the remaining municipal parcels in 2010-2011.

3. By June 30, 2011, develop and implement O & M procedures for municipal operations and facilities throughout the rest of the regulated area.

PY 1:

No action for PY 1

PY 2-5:

This item did not need to be complete until end of PY 3, but was completed in PY 2, therefore there will be no action required in PY 3-5.

◆ **Employee education program**

Develop employee education program

1. By June 30, 2009, the cities of Lewiston, Auburn, and Sabattus will develop a training program based on EPA, MeDEP, and regional stormwater group websites and publications.

PY 1:

LASSWG training program is in draft form and will be complete in summer 2009.

Sabattus held stormwater education sessions with employees and DEP at the transfer station and public works facilities.

PY 2:

LASSWG has completed the draft of an annual training program which has monthly topics for discussion in regularly held employee meetings.

2. By September 30, 2009, the first annual employee training session will be held.

PY 1:

No action for PY 1

PY 2:

LASWWG draft training program in review by supervisors. Currently, training is being accomplished by website, posting of stormwater workshops and seminars and articles in municipal newsletters.

3. Employee education will be supplemented by articles in City's monthly newsletters.

PY 1:

Lewiston submits monthly stormwater article in City's newsletter covering stormwater friendly activities (either new or in a different way) people can do at home and current stormwater events happening in the area.

This is not an action item for Auburn.

The Town of Sabattus does not publish a monthly newsletter, but the Town is currently updating its website. Each department will have space to post information. The Code Enforcement officer intends to publish stormwater information in this space in PY2 assuming that the website updates are forthcoming.

PY 2:

Lewiston continues to post in the monthly newsletter and all three municipalities have stormwater pages on the municipal website.

◆ **Street sweeping program**

Continue street sweeping program

1. By July 30 each year, complete sweeping streets of all winter debris

PY 1:

On-going in all LASWWG municipalities.

PY 2:

On-going in all LASWWG municipalities.

2. Continue sweeping program from spring to winter

PY 1:

On-going in all LASWWG municipalities.

PY 2:

On-going in all LASWWG municipalities.

◆ **Stormwater conveyances, structures and outfalls**

Catch basin cleaning and inspection program

1. PY 1-5 continue catch basin cleaning and inspection program developed in the first five year permit cycle. Catch basins are inspected annually and cleaned if there is less than one foot of free space in the basin. Catch basin residuals will be disposed of according to applicable state laws.

PY 1:

On-going in all LASWWG municipalities

The City of Auburn has conducted catchbasin residual sampling in accordance with Maine DEP recommended sampling strategy and analytical parameters for Beneficial Reuse pre-application materials characterization. The sampling results indicate that the material meets beneficial reuse criteria. A pre-application memo with sampling results has been prepared documenting sampling methods, results and proposed location for beneficial reuse and has been submitted to Maine DEP Solid Waste staff. A pre-application meeting is being scheduled for fall 2009 with Eric Hamlin, Maine DEP to discuss Beneficial Reuse licensing next steps.

PY 2:

On-going in all LASWWG municipalities

In Permit Year 2, the City of Auburn has conducted catchbasin residual sampling in accordance with Maine DEP recommended sampling strategy and analytical parameters for Beneficial Reuse pre-application materials characterization. The sampling results indicate that the material meets beneficial reuse criteria. A pre-application memo with sampling results has been prepared documenting sampling methods, results and proposed location for beneficial reuse and has been submitted to Maine DEP Solid Waste staff. A pre-application meeting was conducted in fall 2009 with Eric Hamlin, Maine DEP to discuss Beneficial Reuse licensing next steps. The City is currently in the process of negotiating easement language with the owner of beneficial reuse location.

2. By end of PY 1, determine if an automated system (PDA in the field which downloads to data base) would be useful

PY 1:

It is not apparent that an automated system will greatly enhance SOP for catch basin cleaning and inspection program. At this time no automated system is being considered further.

PY 2-5:

No further action, an automated system is not being considered at this time.

3. By end of PY 2, develop automated system if thought useful

PY 1:

It is not apparent that an automated system will greatly enhance SOP for catch basin cleaning and inspection program. At this time no automated system is being considered further.

PY 2-5:

No further action, an automated system is not being considered at this time.

4. By end of PY 1, complete a written standard operating procedure for the program

PY 1:

SOP is complete.

PY 2-5:

No action for PY 2-5, item completed in PY 1.

Maintenance and upgrade of stormwater conveyances, structures and outfalls

1. By the end of PY 1, evaluate and implement a prioritized schedule, as necessary, for repairing or upgrading the conveyances, structures and outfalls of the regulated small MS4.

PY 1:

Annually the City of Lewiston prepares a Capital Improvement Plan and includes a prioritized listing of stormwater projects. This list is generated from issues found during scheduled inspections, issues found while other planned work is being executed and as a result of citizen call-ins. As funding is approved and scheduling allows, these projects are completed.

Auburn has targeted a large culvert replacement under Union Street, a box culvert in Great Falls Plaza, and an old stone box culvert (formerly a combined sewer system) in New Auburn as our high priority stormwater repairs, as well as wrapping up our CSO program by the end of 2011.

Sabattus has evaluated and scheduled a repair/upgrade of ditches and culverts.

PY 2:

Annually the City of Lewiston prepares a Capital Improvement Plan and includes a prioritized listing of stormwater projects. This list is generated from issues found during scheduled inspections, issues found while other planned work is being executed and as a result of citizen call-ins. As funding is approved and scheduling allows, these projects are completed.

◆ **Stormwater Pollution Prevention Plans (SWPPP) for municipal operations**

Develop and implement SWPPP for municipal operations

1. By the end of PY 1, inventory all 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 and determine which have SWPPPs.

PY 1:

Lewiston has completed inventory and determined which will require SWPPPs. An Environmental Compliance Audit was completed on the City's Public Works Facility in 2002. This has been reviewed and will be the starting point for development of SWPPPs.

The City of Auburn has conducted a GIS-based inventory of all municipally owned parcels in the City. A reevaluation of the municipal facility audit conducted in 2004 by Aquarion Engineering for the City will be considered in PY2. This inventory included an audit of three fire stations, the police station, the school bus garage, the highway garage, the city electrician's office, the parks and recreation garage and the Edward Little School. This audit will provide the basis for future SWPPP development for regulated facilities as outlined in the MS4 permit.

Sabattus has conducted an inventory of all its municipally owned properties.

PY 2-5:

No action for PY 2-5, item completed in PY 1.

2. By the end of PY 2, develop and implement SWPPPs for each applicable facility

PY 1:

No action for PY 1

PY 2:

City of Lewiston has completed SWPPPs for the main Public Works compound located at 103 Adams Avenue and the Operations Center located at 195 River Road. The Operations Center is located outside the urban area but has received DEP approval to include this facility in our municipal stormwater management plan.

The City of Auburn has developed a Stormwater Pollution Prevention Plan for both the Public Works Garage and the School Bus Storage/Maintenance Facility. These documents are on file at City Hall and at the respective locations. The Public Works garage is implemented by Public Works staff and the School Bus Storage/Maintenance Facility is implemented by the Auburn School Department staff.

Sabattus has completed a SWPPP for the Public Works Garage.

3. PY 3-5, continue implementation of the SWPPPs

PY 1:

No action for PY 1

PY 2:

SWPPPs are completed and being implemented.

Statewide Awareness Plan Implementation
CCSWCD summary of activities

STORMWATER MANAGERS' TOOLBOX - CCSWCD will develop stormwater managers' toolbox on behalf of the 28 regulated communities.		
Develop toolkit - poster, brochure, door hangers, print ads, PowerPoint presentation, and storm drain stencil (at a minimum)	complete	All outreach materials are available in the watershed managers' toolbox on www.thinkbluemaine.org
Compile partner network contact list (water districts, NGOs, conservation commissions, etc.) and outreach to partner networks.	complete	CCSWCD staff compiled a list of partners for each MS4 cluster/area. The list was distributed to MS4s in May. The individual communities/clusters/areas are now responsible for maintaining their list.
Coordinate media buy for the ducky ad	complete	CCSWCD staff worked with Burgess advertising to coordinate the ducky media campaign. All MS4 communities contributed to the buy.
Refine awareness materials and tracking mechanisms, coordinate printing.	complete	New awareness materials were developed and existing materials were refined; CCSWCD staff tracked web hits on the www.thinkbluemaine.org website (a significant increase in hits was seen when the ducky ads were running); printing of the "Follow the Flow" posters was coordinated by CCSWCD, and posters were distributed to MS4 clusters/areas in September 2009.
Refine website toolbox	complete	New and updated outreach materials were uploaded to the www.thinkbluemaine.org toolbox as they became available.