

Municipality/Organization: Worcester State College

EPA NPDES Permit Number: MAR042022

MassDEP Transmittal Number: W-040406

Annual Report Number Year 7

& Reporting Period: April 1, 2009 – March 31, 2010

4/30/10
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**NPDES PII Small MS4 General Permit
Annual Report
(Due: May 1, 2010)**

Part I. General Information

Contact Person: Robert Daniels

Title: Environ. Health and Safety Officer

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Certification:

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.

Signature:

Kathleen M. Eichelroth

Printed Name: Kathleen M. Eichelroth

Title: V.P.-Administration and Finance

Date:

4-28-10

Part II. Self-Assessment

Worcester State College has completed a Self Assessment of the Storm Water Management Plan. The College is in the process of reviewing and revising the SWMP, provided updated training in August 2009 and continues to meet the requirements of the permit.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8
100.1 (2005)	Distribution of Educational Materials	Robert Daniels	Design a SW Management information page on campus web-site that will be accessible by all students, faculty, administrators and general public.	Keep web-page updated.	Keep web-page updated.
Revised					
100.2 2006	Distribution of Educational Materials	Robert Daniels	Designed a pamphlet for contractors to explain the expectations WSC has for contractors working on-site	Continue to distribute pamphlet to contractors.	Continue to distribute pamphlet to contractors.

1a. Additions

100.3 2007	Distribution of Educational Materials	Robert Daniels	Download EPA's "After the Storm" pamphlet.	Pamphlet posted on the web-site.	Pamphlet posted on the web-site.
100.4 2008	Distribution of Educational Materials	Robert Daniels	"Focus the Nation" Presentation-nationally recognized teaching program-January 2008	Included SW as topic in a presentation that reviewed WSC's sustainability program. This was broadcasted over the web and was viewed by over 700 people on campus	
100.5 2009	Distribution of Educational Materials	Robert Daniels	"National Teach-In on Global Warming" Presentation-nationally recognized teaching program-February 2009	Included SW as topic in a presentation that reviewed WSC's GHG emissions, water conservation projects and SW management program. This was broadcasted over the web and was viewed by over 700 people on campus	

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8
200 Revised	Storm Drain Stenciling	Robert Daniels	Re-stencil drains by September 2007	Re-stenciled drains where necessary by July 2009	Will ensure new storm stains are stenciled near Admin Building in spring 2010
200.1 Revised	Campus Clean-up Day	Rich Korcez	Annually in April-May	Environmental Advocacy Group cleaned campus on Earth Day	Environmental Advocacy Group tentatively plan to clean campus on Earth Day
Revised 200.2 2006 Revised	Lake Ellie Beautification	Peter Fenuccio/Bob Daniels	Dredge Lake Ellie by summer of 2007	WSC planned to dredge Lake Ellie in fall of 2009, however a collapsed drainage pipe needed to be repaired and relined in order to drain the retention pond. Trees around the retention pond were trimmed for better sunlight and water quality enhancement in Fall of 2009.	WSC plans to dredge Lake Ellie by summer 2010. WSC also plans to install an aeration pump and replace the foot bridge for enhancement of the Lake Ellie area.
200.3 2007 Revised	Clean up of Moore Brook	WSC Grounds Crew and work study students	Clean brook	Re-inspected and cleaned in fall 2009	Re-inspect and clean by fall 2010.

2a. Additions

200.4 2008	"In Business for the Blackstone"	Robert Daniels	Become member of the organization	Did not join "In Business for the Blackstone"	Will consider joining "In Business for the Blackstone".

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8
300.2 Revised	Dry Weather Inspections	Robert Daniels	Semiannual Inspections	Performed Dry weather inspection in October 2009.	On-going inspections- WSC will plan on spring and fall inspections in 2010.

3a. Additions

300.4	New SW Site Plans-as part of Campus Utilities Plans	Sandra Olson	New SW Site Plan	In FY 09, the BSI –Subsurface Utility Engineering plan was updated to include any storm water system modifications as a result of Administration Building construction..	In FY 10, the BSI –Subsurface Utility Engineering plan was updated to include any storm water system modifications as a result of Dowden Hall expansion construction..
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4. Construction Site Storm Water Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8
400.1 Revised	Develop Construction Site Run Off Plan	Robert Daniels	Update Construction Run-off Program	Construction Run-off Program reviewed in Spring, no changes necessary.	None required
400.2 Revised	Construction Run-Off Plan Training	Robert Daniels	Implementation of periodic training	WSC provided training in August 2009.	WSC will provide retraining in summer 2010.

400.3 2006	Develop an enforcement strategy when construction inspections and BMPs are not being implemented	Robert Daniels and Facilities Department	Document all Stop Work notices that are generated	There were no Stop Work orders issued.	If necessary, Stop Work orders will be issued.
Revised					

4a. Additions

400.4 2007	SW Review with Construction Site Personnel and MSCBA/DCAM	Robert Daniels	Meet with construction company and MSCBA before and during construction projects	As part of weekly construction meetings for the Dowden Hall WSC discussed SW management issues with construction company and DCAM.	Will continue to interact with construction companies and DCAM/MSBCA for all DCAM/MSBCA projects that affect SW.
400.5 2007	Construction Site Inspections	Robert Daniels	Periodic construction site inspections	Conducted periodic inspections of the new Dowden construction area in 2009 although < 1 acre of land disturbed	Construction site inspections will be conducted for any new projects that will impact SW

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8
500	Develop a Post Construction Storm Water Management Plans an appendix to Storm Water Management Plan	Robert Daniels	Update Post Construction SWM Plan	WSC didn't revise SWMP because only minor clerical changes were required.	Will correct SWMP to delete 4/2 Stormceptor duplication in Appendix J. Add annual inspection of sand/salt pile cover.
Revised					
500.1	Implement training for Post Construction SWM	Robert Daniels	Implementation of periodic training	WSC provided retraining in August 2009.	WSC will provide retraining in summer 2010.
Revised					
500.2	Research alternatives to sand/road salt for road and walkway deicing.	Robert Daniels	Get prices and do a cost benefit analysis	Expanded use of Magic salt in Winter 2009-2010-used 12.5 tons	Will continue and expand use of Magic Salt use in Winter 2010-2011. Will investigate usage of liquid deicer, but may be cost prohibitive.
Revised					

5a. Additions

500.3	Catch basin clean out	Robert Daniels	Clean catch basins	Cleaned out catch basins Vortechinics Units by summer 2009	Will clean out catch basins and Vortechinics units by summer 2010.
2007					
500.4	Soil stabilization for Parking Garage construction site	Consigli Construction	Stabilized soil in project area	Evaluated the effectiveness of stabilization vegetation near garage and it performed as designed.	Will evaluate the effectiveness annually and replace stabilization vegetation on an on-going basis, as necessary.
2007					

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8
600 2007 Revised	Develop a training program for Facility Personnel	Robert Daniels	Implementation of periodic training	WSC provided retraining in August 2009.	WSC will provide retraining in summer 2010.
600.1 2009 Revised	Snow Management	Kevin Kristolaitis	Less snow melt into Lake Ellie	WSC continues to work at improving snow removal management by relocating to less environmentally sensitive area on campus or shipped off-site.	Continue the best management practices.

6a. Additions

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 7 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 8
NA					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Part V. Program Outputs & Accomplishments (OPTIONAL)

(Since beginning of permit coverage unless specified otherwise by a **, which indicates response is for period covering April 1, 2009 through March 31, 2010)

Programmatic

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures **	(\$)	
Total program expenditures since beginning of permit coverage	(\$)	
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		

Education, Involvement, and Training

Estimated number of property owners reached by education program(s)	(# or %)	
Stormwater management committee established	(y/n)	
Stream teams established or supported	(# or y/n)	
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	
Shoreline cleaned since beginning of permit coverage	(mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	
▪ community participation **	(# or %)	
▪ material collected **	(tons or gal)	
School curricula implemented	(y/n)	