



486 Chandler Street • Worcester, MA 01602-2597

Facilities Department • 508-929-8025 • Fax: 508-929-8180

2005 MAR 28 10:00 AM
April 28, 2005

U. S. Environmental Protection Agency
Water Technical Unit
P.O. Box 8127
Boston, MA 02114

Re: NPDES Phase II Small M4S General Permit Annual Report

Dear EPA Staff,

MAR043022

Enclosed please find NPDES PII M4S General Permit Annual Report for Worcester State College, 486 Chandler Street, Worcester, MA. 01602, EPA NPDES Permit Number MAR043022, MaDEP Transmittal Number W-040406. This is the second report filed by the College and is for reporting year March 2004 to March 2005.

Please contact me at (508) 929-8052 or Robert Daniels, EH&S Officer for WSC, at (508) 929-8099 if you have any questions regarding this report.

Sincerely,

Sandra K. Olson

Director of Facilities

Municipality/Organization: Worcester State College

EPA NPDES Permit Number: MAR043022

MaDEP Transmittal Number: W- 040406

Annual Report Number

& Reporting Period: No. 2: March 04-March 05

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Robert Daniels

Title: Environ. Health and Safety Officer

Telephone #: 508-929-8099

Email: rdaniels@worchester.edu

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: 

Printed Name: Sandra K. Olson

Title: Director of Facilities

Date: April 28th, 2005

Part II. Self-Assessment

As of this Annual Report Update, Worcester State College received its NPDES Permit on July 16, 2004, Permit no. MA042022/MADEP Transmittal No. W040406.

The Self Assessment has been completed and Worcester State College is in compliance with all permit conditions.

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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
100	Distribution of Educational Materials	Robert Daniels	Obtain and distribute Storm Water Mgmt. Pamphlets by Fall of 2003.	Contacted, met, obtained and distributed 2 separate pamphlets supplied by the City of Worcester DPW for informing campus community of Storm Water Mgmt concerns. (enclosed) ----- Complete	Continue to distribute pamphlets as supplied. Start to collect information for designing a more site specific pamphlet. Interact with on campus Water Watch group for additional outreach, assistance and interaction. ----- Rather than design a campus specific pamphlet, we will include SW Management information on campus web-site. Decided not to work with Water Watch group because not available all year round.
Revised					
Revised					
Revised					

Revised							
Revised							

1a. Additions

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.	Attended Share point workshop to better understand web-site design.	To be developed and launched by September 2006

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
200 Revised	Storm Drain Stenciling	Robert Daniels	Stencil drains by Fall 2004	Slated for Fall of 2004 project On schedule- stencil design in discussion stages ----- Stencil design determined by SW Management Team, project began April 2005	Continue stenciling project to include new construction as a result of expansion and renovation Stenciling to be completed by October 1, 2005.
Revised					
Revised					

2a. Additions

200.1 (2005)	Campus Clean-up Day	Rich Korcez	Annually in April-May	Incentive based springtime cleanup, involving the entire campus community. Rake, pick-up trash, plant flowers, beautify campus.	Will be held in April-May annually.
200.2 (2005)	Lake Ellie Beautification	Peter Fenuccio	Summer of 2005 Pending budget and Con Com approval	Dredge sediment, plant vegetation	Will be complete

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
301 Revised	Dye Testing	Robert Daniels	Begin Spring 2004, continue thru Fall of 2005	Project has just been kicked-off, targeting easier drains first as this will allow for timely start of stenciling program. -----	As above, new construction will need to be included. Anticipate keeping to Fall 2005 completion. Project may continue through to spring 2006 due to on-going construction.
302 Revised	Dry Weather Inspections	Robert Daniels	Begin Summer of 2004	Currently establishing strategic checkpoints for most complete monitoring. Will establish points and checklist by June (dry season) of 2004. ----- Checklist complete	Ongoing Inspections started spring 2005 though fall 2005.
Revised					
Revised					

3a. Additions

303 (2005)	City sewer plans review	Robert Daniels	Begin Summer 2005	Get city plans to determine if flow of SW off-site goes to CSO or Segregated Sewer overflow	Once determined keep records

4. Construction Site Storm water Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
401 Revised	Develop Construction Site Run Off Plan	Robert Daniels	Plan to be developed by Winter 2005	Contacted and obtained City of Worcester "Wetlands Protection Ordinance and Regulations" Will be meeting with Massachusetts Dept of Capital Asset Management and Massachusetts State College Building Authority to establish appropriate guidelines and areas of responsibilities	Pull together necessary information for plan development and completion by winter 2005. Construction Run-off Program will become part of the College's overall Storm Water Management Plan.
402 Revised	Construction Run-Off Plan Training	Robert Daniels	Implementation Spring 2005 Implementation Spring 2006	See above Implementation date was mistakenly slated for implementation prior to development.	Start developing training materials and program
Revised					
Revised					

Revised						
Revised						

4a. Additions

5. Post-Construction Storm water Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) -- Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities -- Permit Year 2
500	Develop a Post Construction Storm Water Management Plans an appendix to Construction Run-off plan	Robert Daniels	Develop by Winter 2005	The same information covered in #4 -- Construction Site Run-Off Control applies to this proposed appendix. Contacted and obtained City of Worcester "Wetlands Protection Ordinance and Regulations" Will be meeting with Massachusetts Dept of Capital Asset Management and Massachusetts State College Building Authority to establish appropriate guidelines and areas of responsibilities	Pull together necessary information for plan development and incorporate any applicable information as a result of meetings for completion by winter 2005. Construction Run-off Program will become part of the College's overall Storm Water Management Plan
Revised					
501	Implement Appendix to Construction Run-Off Plan	Robert Daniels	Implement for spring 2005	Implementation date was mistakenly slated for implementation prior to development.	Start developing training materials and program
Revised					
Revised					
Revised					
Revised					
Revised					

[illegible]

5a. Additions

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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 2
Revised	Develop a training program for Facility Personnel	Robert Daniels	During Winter 2004	Identified areas of focus: Parks and Open Space, Fleet Maintenance, Building Maintenance, Roadway drainage and Storm system maintenance and New Construction and Land disturbances due to renovation.	Continue gathering information on current processes and evaluate those practices and identify areas of improvement prior to completing actual training.
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

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 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
	N/A				
Revised					
Revised					
Revised					
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Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

No further information to be added at this time.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Storm water management position created/staffed	(y/n)	
Annual program budget/expenditures	(\$)	

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	
Storm water 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.)	
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	
▪ community participation	(%)	
▪ material collected	(tons or gal)	
School curricula implemented	(y/n)	

Construction

Number of construction starts (>1-acre)	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	
Site inspections completed	(# or %)	
Tickets/Stop work orders issued	(# or %)	
Fines collected	(# and \$)	
Complaints/concerns received from public	(#)	

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	
Site inspections completed	(# or %)	
Estimated volume of stormwater recharged	(gpy)	

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	
Total number of structures cleaned	(#)	
Storm drain cleaned	(LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		
Cost of screenings disposal	(\$)	

Average frequency of street sweeping (non-commercial/non-arterial streets)		(times/yr)
Average frequency of street sweeping (commercial/arterial or other critical streets)		(times/yr)
Qty. of sand/debris collected by sweeping		(lbs. or tons)
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)		(location)
Cost of sweepings disposal		(\$)
Vacuum street sweepers purchased/leased		(#)
Vacuum street sweepers specified in contracts		(y/n)

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)	
▪ Fertilizers	(lbs. or %)
▪ Herbicides	(lbs. or %)
▪ Pesticides	(lbs. or %)

Anti-/De-Icing products and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand
Pre-wetting techniques utilized	(y/n)
Manual control spreaders used	(y/n)
Automatic or Zero-velocity spreaders used	(y/n)
Estimated net reduction in typical year salt application	(lbs. or %)
Salt pile(s) covered in storage shed(s)	(y/n)
Storage shed(s) in design or under construction	(y/n)

