

UNIVERSITY OF NORTHERN IOWA

Municipal Separate Storm Sewer System September 2011 Report

Permit Number 07-09-0-04

August 2011

Prepared by:

Environmental Health and Safety Office
and
Facilities Services Department

Introduction

The following is the Stormwater Annual Report for the University of Northern Iowa (UNI) prepared in accordance with Part III of the Municipal Separate Stormwater System (MS4) Permit Number 07-09-0-04. This report summarizes stormwater compliance activities within the boundaries of the University of Northern Iowa as identified in the permit.

1.0 Status of Implementing the Components of the Stormwater Pollution Prevention and Management Program.

The bullet points in 4.0 identify the required tasks for fiscal year 2011 that were completed as stated in Part II of the MS4 permit for the University of Northern Iowa. The tasks are based on six Best Management Practices (BMP's) listed in the MS4 permit. All required tasks for fiscal year 2011 were completed.

2.0 Status of compliance with any compliance schedule established by this Permit of any modifications to this permit.

The University of Northern Iowa fulfilled all schedule requirements as stated in Part II of the MS4 permit for the period of 9/1/10 to 9/1/11. No modifications of the permit were made within the reporting period.

3.0 A summary of all revisions to the approved management program.

No modifications of the permit were made within the reporting period.

4.0 A summary of the data, which is generated within the reporting period, includes narrative descriptions of storm water quality improvements or degradation.

- A storm water drain-stenciling program for intakes has been developed and labeling is complete. The medallions are the same as those purchased by the City of Cedar Falls so contractors will readily recognize the storm water intakes. The locations of the intakes and outflows were mapped by an intern during the 2010 summer months and will be available for future reference. The intern is a member of the University's Storm Water Committee.
- A Spill Response and Prevention Plan was updated by Brown Engineering Company.
- Wetland plants installed during 2009 at the Wetland Demonstration Park located north of the UNI Dome parking lot continue to be monitored and collaboration with the City of Cedar Falls regarding that project continues.

- Sabin Hall renovation – pervious pavers in the plaza surrounding the building on the North, East and South sides join the elements installed last year at the S.E. and S.W. sides of the facility.
- Additional trees and shrubs added to campus.
- New salt storage shed completed and old shed razed.
- North Dome parking lot pervious paving/bio cell installed
- North Towers parking lot pervious paving installed
- North Campanile plaza bio cells installed
- PSM Graduate student internships funded to gather data for 5-year water quality master plan
- EPA PESP program “Silver” designation
- Campus Sustainability Forum held on Earth Day (April 21, 2011)
- Integrated Pest Management Plan updated
- UNI awarded the Governor’s Iowa Environmental Excellence Award in the Water Quality category
- UNI’s Tall Grass Prairie Center hosted a Research and Management Seminar
- The Princeton Review Guide to 286 Green Colleges listed UNI as one of the most environmentally responsible colleges
- UNI achieved Gold rating from the Sustainability Tracking Assessment and Rating System (STARS)

The costs of the projects completed this reporting year are enumerated below:

5.0 An estimate of the previous fiscal year’s expenditures for implementation of the management program and the budget for the current fiscal year.

The storm water management budget for fiscal year 2011 was funded “as needed” by the Facilities Services department, the Environmental Health and Safety Office, applicable grants and the University’s general education fund. Environmental Health & Safety staff continues to expand the information on the web site and inform the campus community of the new information through the use of the UNI on-line notification vehicle. Grounds staff continues to be involved in post-event clean up of the turf and parking lots.

A total of approximately \$559,000 was expended during fiscal year 2011 for sustainability projects. Costs associated with staff activities are absorbed by the University and are not included in the estimate of expenditures, e.g. Sustainability Coordinator, educational program development, etc.

- North Dome parking lot pervious paving/bio-cell \$388,000

- North Towers parking lot pervious paving \$85,000
- North Campanile bio-cells \$35,000
- ROTH parking lot bio-cell \$24,000
- Trees planted on campus \$20,000
- PSM Graduate student internships for 5-year water Quality master plan development \$ 7,000

6.0 A summary describing the number and nature of inspections, enforcement actions and public education programs conducted during the reporting period.

Inspections were conducted by Owner Construction Representatives and/or Environmental Health and Safety staff on all University of Northern Iowa’s construction sites requiring an NPDES General Permit No. 2 to verify that contractors were following specified BMPs that had been approved in each construction site’s pollution prevention plan. Areas of focus during inspections include proper placement and maintenance of silt collection fences, installation of gravel areas to collect soil from vehicle tires and proper sweeping of streets on which truck traffic traveled after leaving construction sites.

The Storm Water Committee continues to meet and UNI student members are active participants. Information updates are periodically completed to remind members of the University Community about the importance of storm water management and are placed on the Environmental Health and Safety web site under the Storm Water Program heading. The notification of the addition to the web site is placed on the UNI On-Line bi-weekly notification vehicle the University uses to announce new information to faculty, staff and students.

The Environmental Health and Safety staff provided storm water education at the University’s Earth Day celebration event on April 21, 2011 as one of a number of organizations that provided sustainability information to students, faculty, staff and community members who attended the event. Sustainability and environmental related information was also provided by members of the Grounds unit, Utilities and Power Plant and Custodial Services.

7.0 Summary

This report summarizes required storm water compliance activities completed by the University of Northern Iowa for fiscal year 2011. The 2007 fiscal year was the first year of compliance activity associated with MS4 Permit number 07-09-0-04 issued to the University of Northern Iowa by the Iowa Department of Natural Resources. Three additional years of

compliance activities have occurred in subsequent years prior to the expected renewal of the permit in September 2011.

All permit activities for the fiscal year 2011 permit period were completed on or before specified timelines. UNI expended a total of approximately \$559,000 during this reporting period on sustainability projects. The University of Northern Iowa will continue to evaluate opportunities to improve storm water quality during the remaining one year of the MS4 permit.

The following projects are planned for completion within the next reporting period:

- The new residence hall under construction will include water quality features including bio-swales, pervious pavement and green roof.

Individuals with questions, comments or concerns about storm water quality issues at the University of Northern Iowa should contact Dean Shoars, Director of Physical Plant/University Safety Officer at 1801 W. 31st Street, Cedar Falls, Iowa 50614-0192, phone (319)273-3189 or email dean.shoars@uni.edu.