

# UNIVERSITY OF NORTHERN IOWA

## Municipal Separate Storm Sewer System September 2009 Report

Permit Number 07-09-0-04

September 2009

Prepared by:

University of Northern Iowa  
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## 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 2009 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 2009 were either completed or are in the process of being 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 9/1/08 to 9/1/09. 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 Post Construction Runoff policy statement was written and placed on the Storm Water web site.
- A site review procedure was identified and the information placed on the Storm Water web site.
- A policy statement for the Storm Water Repair Retrofit Evaluation Program was developed and placed on the Storm Water web site.
- A storm water drain-stenciling program for intakes has been developed and labeling is approximately 95% complete. The medallions are the same as those purchased by the City of Cedar Falls so contractors will readily recognize the storm water intakes.
- A Spill Response and Prevention Plan has been written and implemented by the University.
- Pervious concrete pavement is being used in new parking lot applications.

- Pervious pavers were installed to capture and filter water runoff from a remodeled plaza area in front of the Maucker Union.
- Bio-retention cells were established on the north side of the 22<sup>nd</sup> Street parking lot.
- A Dry Run Creek Stream Bank stabilization project was completed between Campus Street and Merner Avenue (excavation and prairie plantings).
- A central campus bio-swale was completed.
- Wetland plants were installed at the Wetland Demonstration Park located north of the UNI Dome parking lot.
- West Campus Stream Bank Stabilization was completed (excavation and prairie plantings north of the golf driving range and west of the Wetland Demonstration Park.

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

• Maucker Union pervious pavement	\$35,000
• Bio-retention cell on 22 <sup>nd</sup> Street	35,000
• Dry Run Creek Stream Bank Stabilization	56,000
• Central Campus bio-swale	25,000
• Wetland plants	13,000
• West Campus Stream Bank Stabilization	40,000

**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 2009 was funded “as needed” by the Facilities Services department, the University’s general education fund and a grant in collaboration with the Black Hawk County Soil and Water Conservation District. Environmental Health & Safety staff continues to expand the information in 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 \$204,000.00 was expended during fiscal year 2009 for sustainability projects, of which \$122,250.00 was the net cost to the University; the remainder was covered by sustainability grants. Costs associated with staff activities are absorbed by the University and are not included in the estimate of expenditures.

**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 on all University of Northern Iowa' 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 concern during inspections included 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 Storm Water web site. 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 22, 2009.

## **7.0 Summary**

This report summarizes required storm water compliance activities completed by the University of Northern Iowa for fiscal year 2009. 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 will take place in subsequent years prior to the expected renewal of the permit.

All permit activities for the permit period September – September were completed on or before specified timelines. UNI expended a total of \$204,000.00 (net \$122,250.00) during this reporting period on sustainability projects in collaboration with the Black Hawk Soil and Water Conservation District. The University of Northern Iowa will continue to evaluate opportunities to improve storm water quality during the remaining three years of the MS4 permit. 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, 1801 W. 31<sup>st</sup> Street, Cedar Falls, Iowa 50614-0192.