

# UNIVERSITY OF NORTHERN IOWA

## Municipal Separate Storm Sewer System September 2007 Report

Permit Number 07-09-0-04

August 2007

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 2007 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 2007 were completed on or before permit timelines.

### **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. 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.**

- An article explaining the MS4 appeared in the February 2007 Facilities Services Newsletter titled, "UNI and the National Pollutant Discharge Elimination System".
- UNI established policy statements for construction site stormwater runoff control and post-construction stormwater management, in addition to, an illicit discharge prohibition statement (Attachment A). The policy statements include all required statements stipulated in Part II C.1 and D.1.
- The intent of these policy statements is to control storm water runoff, minimize storm water pollution and contribute to the protection of Iowa's natural resources.
- UNI developed an illicit discharge detection and elimination program, which will be implemented in September 2007. Dry weather flow inspections of all known outfalls, sampling and analyses of any dry

weather flows that are discovered, a requirement to identify the origination of dry weather flows and a process for disconnecting illicit connections are included in the program (Part II C.2). The responsibility for conducting the dry weather inspections will be shared by Facilities Services and Environmental Health and Safety staff.

- Environmental Health and Safety has developed a storm water web page consisting of storm water facts and information.
- A storm water hotline telephone number has been established (273-4372). During normal business hours, the phone will ring into the physical plant's dispatch center and after hours it will roll over to the Department of Public Safety's Communication Center.
- A storm water drain-stenciling program for intakes has been developed and labeling medallions have been purchased. The medallions are the same as those purchased by the City of Cedar Falls so contractors will readily recognize the storm water intakes. Medallions have been purchased and the first phase of installation will begin September 1, 2007.
- Events cleanup continued in accordance with the University's established process. RAGBRAI made an overnight stop on the campus and the University's recreation fields served as the primary campsite for the event. Volunteer community members and University staff implemented a plan to place ~400 additional refuse and recycling containers within the campground. Additionally, a follow-up team collected the containers and the variety of refuse bags left by the bicyclists. The recreation fields were cleaned by a volunteer team, after which there was no refuse or recyclables on the grounds. All visible refuse found in the parking lot that served as the vendor site was picked up and removed the same day by the volunteers and staff.
- The University's utilities map shows the locations of storm water intakes and outfalls.
- A storm water management team was established and met to discuss storm water initiatives.
- President Ben Allen established an energy conservation and sustainability committee to provide recommendations regarding potential sustainability and energy conservation projects.
- The University and the City of Cedar Falls collaborated and established a recycling substation on the campus of the University of Northern Iowa.

The University of Northern Iowa has implemented or is in the process of implementing several improvements, which have target BMP elements. These have been collaborative ventures with the UNI Parking Division and the Black Hawk County Soil and Conservation District. The parking lot projects will be addressed in the 2008 reporting years because the projects have not yet been

implemented. The projects that have been implemented were primarily funded through grants with an actual expense of \$58,000.00 and a net expense to UNI of \$3,000.00.

- Installation of a bio-retention cell adjacent to University branch of Dry Run Creek by the Towers parking lot.
- Stream bank rehabilitation adjacent to the University branch of Dry Run Creek ease of Hudson Road.
- Installation of a bio-retention cell adjacent to the Business and Community Services building on south campus.
- Installation of pervious paving in the McLeod Arena parking lot (under contract)
- Installation of pervious paving in the Human Performance Center parking lot (out for bid)
- Installation of pervious pavers in the plaza adjacent to the Innovative Teaching and Technology Center (under contract).

**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 2007 was funded "as needed" by several campus entities and through grants in collaboration with the Black Hawk County Soil and Water Conservation District and the UNI Parking Division. Environmental Health & Safety staff completed development of a web site and initiated a storm water hotline. Grounds staff were provided training about stream bank rehabilitation by a staff member from the Black Hawk County Soil and Water Conservation District and installed fish habitat materials in the University branch of Dry Run Creek after they were constructed by the physical plant's carpentry staff.

A total of \$58,000.00 was expended during fiscal year 2007 for sustainability projects, which included staff time for installing the bio-retention cells and completing stream bank restoration. The cost for the Dry Run Creek bank restoration project was \$35,000.00, which was funded through a grant. The cost for the Towers bio-swale was \$7,000 of which \$5,000 was grant funded and the bio-swale at the Business and Community Services Building cost \$15,000.00, which was funded through a grant. Total net cost to UNI during the reporting year for sustainability projects was \$3,000.00.

**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.

**7.0 Summary**

This report summarizes required storm water compliance activities completed by the University of Northern Iowa for fiscal year 2007. The 2007 fiscal year as 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. Four 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 \$58,000.00 during this reporting period on sustainability projects in collaboration with the Black Hawk County Soil and Water Conservation District. The majority of the projects were funded through grants. The University of Northern Iowa will continue to evaluate opportunities to improve storm water quality during the remaining four 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.