

UNIVERSITY OF NORTHERN IOWA

Municipal Separate Storm Sewer System September 2008 Report

Permit Number 07-09-0-04

August 2008

Prepared by:

University of Northern Iowa
Environmental Health and Safety Office
1801 W. 31st Street
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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 2008 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 2008 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 9/1/07 to 9/1/08. 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 "Construction Site Runoff" policy statement was developed which addresses proper soil erosion and sediment control including waste at construction sites.
- A "Construction Site Storm Water Runoff Control" program was instituted. This document includes standard operating procedures for NPDES construction permits, a construction site inspection plan, and Pollution Prevention Plan review procedures.
- Six powerpoint training presentations and a training document were added to the Stormwater Management section of the EH&S website. An announcement was made in the UNI-Online (UNI bi-weekly electronic newsletter).

- A UNI video production class produced a training video titled “Stormwater Management”. The video was added to the Stormwater Management section of the EH&S website. An announcement was made in the UNI-Online (UNI bi-weekly electronic newsletter).
- A training DVD titled “Stormwater Runoff – I Can Make A Difference” was purchased. A schedule was developed such that all employees working in operations that may discharge to the MS4 will have been trained in stormwater management.
- 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.
- The University is in the process of purchasing a street sweeper with hose suction capabilities. This equipment will be utilized for cleaning MS4 components.
- 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.
- A bio-swale is being constructed to capture and filter water runoff from a remodeled plaza area in front of the University Library.

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 2008. 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. 31st Street, Cedar Falls, Iowa 50614-0192.