

North Sioux City, SD – 2010 Annual Report
Phase II MS4 Storm Water Management Plan
SWMP Permit No. SDR 41A011
February 18, 2011

I. Status of Compliance with Permit Conditions

In 2010 the City prepared three Pollution Prevention Plans (PPP) for projects within the City’s jurisdiction as follows:

North Derby Sanitary Sewer (This project disturbed less than one acre and was seeded late fall and is not established)

Campbell Street Place Paving and Utilities (This project disturbed less than one acre and was seeded late fall and is not established)

North Sioux City Library (project started late fall; not complete)

Another private PPP was prepared for a development being constructed within the City.

One project submitted by a Developer in 2009 was completed in 2010 and silt fence along with silt retention basins for the storm runoff were completed on the project. The project has not been seeded to date as they are still filling and grading lots. A “Notice of Termination” for this project will be submitted when the seeding has been established.

The storm water discharge pipes that flow through the Corp of Engineers levies along the Big Sioux River were televised in 2010 and found two sluice gates and one pipe that require repair. These repairs will be completed in 2011.

A Storm Water Ordinance is in effect and being administered by the City’s Building Inspector and Code Enforcement Officer.

The Citizen’s Committee held a meeting on February 18, 2011 and the SWMP was reviewed for implementation of programs and measurable goals and time lines achieved by the City.

The status of the goals set out for 2011 are as follows:

II. An assessment of the appropriateness of the Best Management Practices chosen and progress towards achieving the identified measurable goals for each of the minimum control measures.

To date, the Committee believes the Best Management Practices as set out in the SWMP are working well towards achieving the identified goals.

The Storm Water Ordinance as adopted by the City has been enforced over the past year with no major problems. No Citations were issued.

The ‘No Dumping’ warnings are monitored on the storm inlets throughout the City. Some update/repair of warning signs was completed as needed. The local Boy Scout Troop helps with this program.

The City uses a de-chlorination unit when flushing fire hydrants.

III. Results of information collected and analyzed, including any monitoring data, during the reporting period.

The City has monitored the storm sewer outlets to the Big Sioux River and McCook Lake to determine if there were any illicit discharges present. None were detected in 2010. The City continues cost sharing in a water sampling and monitoring program for McCook Lake. This is a joint effort with the Ikes Club.

A visual inspection was made to determine if there is any debris or flow at the discharge. If there was debris, it was removed and checked to determine the source. If dry weather flow is present, tests are taken to determine if there are any toxic substances present. None were determined in 2010.

Dumping yard debris in drainage ditches but has been minimized. The City provided roll-off dumpsters for solid waste. Curb pick up is provided for the majority of solid waste and yard waste.

The City continues to monitor one permitted discharge of water to the storm sewer.

IV. A summary of the storm water activities the MS4 operator plans to undertake during the next year and the status of goals set for 2011.

**CITY OF NORTH SIOUX CITY
PLANNED STORM WATER ACTIVITIES
FOR 2011**

INTRODUCTION

The following discussion presents the plan developed by a Citizen Committee to implement programs and to obtain measurable goals for each of the storm water management programs for the year 2011. This discussion describes activities that will be required by the City in the form of education, ordinances, procedures, programs, modified construction procedures and expenditures.

PUBLIC EDUCATION AND OUTREACH ON STORM SEWER IMPACTS

The Committee recommends the continuation of following measures:

- 1) Continue the partnership with Dakota Valley School and the McCook Lake Chapter of the Izaak Walton League to conduct public education.
- 2) The City encourages Dakota Valley School to provide information and literature to school children. Materials will be provided to the teaching staff to be incorporated with their curriculum.

- 3) Provide information and literature at City Hall on the impacts of storm water discharge on water bodies.
- 4) Continue a library of information at City Hall on Household Hazardous Waste Material Disposal.
- 5) Continue working with the Boy Scouts to maintain the inlets painted with 'No Dumping' to make residents aware that illicit dumping is illegal.
- 6) Information and literature will continue to be available at the City Hall/Library to address the following:
 - a) Effects of Storm Water Pollution.
 - b) Programs the City has available to reduce pollution from runoff; i.e. bi-annual city wide cleanup, waste oil disposal, antifreeze disposal, yard waste disposal, regular street sweeping, controls on construction site runoff.
 - c) Proper disposal of herbicides, pesticides, paint, varnish, and other common chemicals.
- 7) The City will annually mail with the water billing an advisory to warn of fines to be levied for dumping of yard wastes and construction debris.

Implementation Status of Measurable Goals:

1. Public Education

<u>Measurable Goal</u>	<u>Status</u>	<u>Proposed Change</u>
a. Distribute brochures at City Hall/Library	brochures available	None
b. Annual Public Presentation	Discussion at City Council, Ikes Club	None
c. Provide Household Hazardous Waste Disposal Information	Complete information available at City Hall/Library	None
d. Provide school materials	Complete	None
e. Inlet stenciling maintenance w/ Boy Scouts	Continue	None
f. Annual report to City Council	Complete	None
g. Inform public of meetings via newspaper, mailings, website	Complete	None

PUBLIC PARTICIPATION/INVOLVEMENT

The Committee recommends the continuation of the following:

- 1) Provide public notice in the local papers and City website about annual public information meeting in North Sioux City about the City Storm Water Management Plan, and to inform the public about the impacts of Storm Water Pollution and obtain proof of publication.

- 2) Continue partnerships with civic groups for storm inlet stenciling and community cleanup activities. (Spring and Fall)
- 3) Continue a Household Hazardous Waste Recycling and Disposal library.

Implementation Status of Measurable Goals:

2. Public Participation/Involvement

<u>Measurable Goal</u>	<u>Status</u>	<u>Proposed Change</u>
a. Recommendations from Citizens Comm.	Complete	None
b. Annual public meetings	Complete	None
c. Annual Lake cleanup w/Ike's Club	Complete – Spring 2010	None
d. Annual street r-o-w cleanup	Complete throughout summer	None
e. Stencil inlets w/ Boy Scouts (Inspect Annually)	Complete	None

ILLICIT DISCHARGE DETECTION AND ELIMINATION

In order to comply with the federal regulation, the Committee recommends continuation of the following:

- 1) Keep updated the maps of the storm sewer system with the locations of all points of discharge to receiving waters, retainage ponds and maintenance facilities.
- 2) Continue curb pickup program for yard waste in lieu of the roll off containers.
- 3) Enforcement of the Ordinance to prohibit to the extent allowable by law, non-storm water discharges into the storm sewer system.
- 4) Continued implementation of the plan to detect and address non-storm water discharges, including illicit discharges and illegal dumping to the storm sewer system. The plan includes the following three components:
 - a) Procedures for locating priority areas likely to have illicit discharges.
 - b) Procedures for tracing the source of an illicit discharge.
 - c) Procedures for removing the source of the discharge.
- 5) Continue the distribution of brochures informing the public, employees, and businesses of the hazards associated with illegal discharges and improper disposal of waste.

Implementation Status of Measurable Goals:

3. Illicit Discharge Detection and Elimination

<u>Measurable Goal</u>	<u>Status</u>	<u>Proposed Change</u>
a. Household Hazardous Waste Recycling and Disposal library	Complete information at City Hall/Library	None

b. Administer ordinance on illicit discharges	Complete	None
c. Employee Training	Continuous	None
d. Illicit discharges detected	None detected – 2010	None
e. Illicit discharges eliminated	One from 2009	None

CONSTRUCTION SITE STORM WATER RUNOFF CONTROL

To comply with the federal and state requirements the Committee recommends continuation of activities as follows:

- 1) Construction site storm water runoff control.
- 2) Implementation of Minimum Erosion and Erosion Control Measures
- 3) Requirement of Storm Water Pollution Prevention Plans
- 4) Inspections and Enforcement – Full time Code Enforcement Officer and Building Inspector on Staff
- 5) Training and Education for Construction Site Operators
- 6) Enforcement – Routine visits by the Code Enforcement Officer and Building Inspector

Implementation Status of Measurable Goals:

4. Construction Site Storm Water Runoff Control

<u>Measurable Goal</u>	<u>Status</u>	<u>Proposed Change</u>
a. Record permits and site inspections	Completed	None
b. Program to eliminate gravel roads	on going	None
c. Conduct public meeting	Complete	None
d. Storm water ordinance compliance	No violations noted 2010	None

POST-CONSTRUCTION STORM WATER MANAGEMENT

To comply with federal and state law the Committee recommends continuation of the following:

- 1) The City will continue enforcement of the program to address storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the City drainage system. The program ensures that controls are in place that would prevent or minimize water quality impacts. Residential projects along McCook Lake that will disturb greater than or equal to two thousand square feet are required to participate in the storm water program by developing BMP’s and a PPP.
- 2) The permittee must:
 - (a) Develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for the community;
 - (b) Use the City’s ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects to the extent allowable under State or local law; and

(c) Ensure adequate long-term operation and maintenance of BMPs.

Implementation Status of Measurable Goals:

5. Post-construction Storm Water Management

<u>Measurable Goal</u>	<u>Status</u>	<u>Proposed Change</u>
a. Record permits received	Complete	None
b. Record site inspections	Complete	None

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

The Committee recommends continuation of the following:

- 1) The operation and maintenance program that includes an employee training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.
- 2) Staff training on the impacts associated with illegal discharges and improper disposal of waste from municipal operations.
- 3) The program to prevent and/or reduce storm water pollution from facilities such as streets, roads, highways, municipal parking lots, maintenance and storage ponds, fleet or maintenance shops with outdoor storage areas, salt/sand storage locations and snow disposal areas.
- 4) The program to prevent and/or reduce storm water pollution from City parks and open spaces, maintenance fleet and building maintenance, street maintenance and new construction of municipal facilities.
- 5) The storm sewer inlet cleaning program.
- 6) The street sweeping/cleaning program.
- 7) The landscape waste separation and disposal program.
- 8) Maintain twice per year City wide cleanup programs.
- 9) Develop and implement a recycling program for used motor oils, tires, batteries, etc.
- 10) Dechlorinate discharge water while flushing fire hydrants.

Implementation Status of Measurable Goals:

6. Pollution Prevention/Good Housekeeping

<u>Measurable Goal</u>	<u>Status</u>	<u>Proposed Change</u>
a. Training for employees	on going	None
b. Inlet and Street inspection and cleaning	Complete – Sept. 2010	None
c. Record of sand and salt	Complete	None
d. Review Storm Water Ordinance and Management	Complete – Feb. 18, 2011	None
e. City wide cleanup in Spring and Fall	Complete	None
f. Dechlorinate flushing water	Complete	None

V. A description of changes in any identified Best Management Practices or Measurable Goals for any of the minimum control measures.

No changes in the identified Best Management Practices or Measurable Goals of the Storm Water Management Plan were recommended by the Citizen’s Committee.

VI. If applicable, notice that an MS4 operator is relying on another entity to satisfy some of the permit obligations.

No other entity is anticipated to help satisfy any of the permit obligations.

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 of Permittee (legally responsible person)

Date Signed

Tim Hogan

Water Operator

Name (printed)

Title