

2006 Storm Water Management Annual Report

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**City of Chippewa Falls
2006 Annual Storm Water Management Report**

A. Status

In 2006, the City of Chippewa Falls continued operating and improving its Storm Water Management Program. The following report details progress, continued programs and measurable results.

B. Mapping

Maps of the Chippewa Falls MS4 have been upgraded to include all improvements that were completed during the year. A copy of the current MS4 map has been included in the appendix of this document.

C. Program Results

1. Enforcement Actions

Three enforcement letters were sent as part of the Construction Site Management portion of the Storm Water Management Program. The project in question was the Wisconsin Renaissance Faire Site located on Nelson Road in the far western portion of the City and located on the Chippewa River. The permittee was not complying with their Storm Water Management Plan and significant amounts of sediment transfer was occurring on their site with potential of entering the Chippewa River. A number of on site meetings were held, deadlines for site corrections were given, and to date these have been complied with. This project will be closely monitored in the spring of 2007 to make sure corrective measures are successful.

2. Inspections

a. Outfalls

All known outfalls on the City's MS4 were inspected under low flow winter conditions. No illicit discharges were detected during the examination. Outfall C22 was again found to be experiencing erosion problems this year. The outfall will undergo corrective measures including fabric, riprap, and berm stabilization to help address the erosion problem.

b. Construction Sites

The following construction sites filed storm water management and construction site erosion control permits, or still have active permits from 2006:

Wissota Green Subdivision
Renaissance Faire Commercial Development
Chippewa County Dental
5th Riverside Industrial Subdivision

The construction site's permits were reviewed and construction sites have been inspected weekly. None of the permits above have been finalized and inspections will continue in 2006.

Along with the private construction sites, all street construction that took place was inspected on a weekly basis. The following sites were included in the program:

Peck Street – (Central Street – Coleman Street)
Greenville Street – (Main Street – Maple Street)
Edward Street – (State Avenue – Miller Street)
Lakeview Drive – (Lakeland Drive – Seymour Cray Sr.)

Two projects were completed under Wisconsin Department of Transportation jurisdiction and are listed below:

Park Avenue – (Jeffers Road – Peterson Lane)
Seymour Cray Sr. Blvd – (C.T.H. I – C.T.H. S)

3. Public Education Programs

The Public Education Program continued as planned through the City's overall Storm Water Management Plan as submitted and approved by the Wisconsin Department of Natural Resources. Supplementing the plan have been educational events sponsored by the Chippewa Valley Storm Water Forum. The Forum has sponsored two events in 2006 and is planning more in the upcoming year in an effort for local communities to maximize their resources for a common goal.

4. Spill Responses

There were no spill responses to report.

5. Other Activities

a. Catch Basin Cleaning

The catch basins and inlets were cleaned according to the submitted Storm Water Management Plan. An estimated 42 C.Y. of debris and soil was removed during cleaning.

This information is being used to identify problems areas and attempts to minimize the sedimentation are being completed.

b. Street Sweeping

Approximately 3,600 C.Y. of debris and soil have been collected during the course of 2006. The streets have been swept on average of once every three to four weeks. In 2006, the two City of Chippewa Falls sweepers swept from January until November 9th.

Also the Storm Water Utility has received approval to purchase a new street sweeper that will be utilized in the 2007 cleaning year.

c. Leaf Collection

The yard waste site is operated by the City of Chippewa Falls and collected a large volume of yard waste from throughout the City. The waste was piled and composted to be used in conjunction with street construction projects and the required restoration work.

The Leaf Vacuum truck also collected approximately 360 C.Y. of leaves and debris in the Fall of 2006.

D. Storm Water Management Program Proposals

There are no proposals to report at this time.

E. Program Revisions

There are no program revisions to report at this time.

F. Vacant

G. Vacant

H. Pollutant Loading Calculations

Initial pollutant loading calculations were submitted as part of the 2005 Annual Report. Early indications produce a reduction of TSS between 36-38% versus the “no controls conditions”. Some discrepancies were discovered in the “with controls” models and the changes may provide some additional removal. All changes to the model will be submitted to the Wisconsin Department of Natural Resources for approval.

I. Assessment of Controls

1. Pollutant Removal

The Storm Water Management Program has continued to expand and create more

opportunities for removing pollutants in the City's storm water conveyance system. Ponds, catch basins, and other BMP's have been inspected on a regular basis to ensure they are operating properly and do not need further maintenance. If problems are found during the inspection process they are corrected as soon as the maintenance can be completed.

The street sweeping and catch basin cleaning, working in conjunction with the yard waste site, have been doing a valuable job in taking the solids off the street and out of the conveyance system. The City of Chippewa Falls has continued its program cleaning every outfall and catch basin within the calendar year.

The City Inspector has also contributed by closely monitoring single and multi-family construction to help prevent erosion on sites smaller than one acre.

2. Programs

The City of Chippewa Falls has improved the tracking program for maintaining the MS4 system. With the creation of the Storm Water Utility segregated storm water funding is helping fund items that may have been left out of the City's General Budget Process. A number of new BMP's were either constructed or in the process of being constructed in 2006 in new development areas within the City. The sites with new BMP's are listed below:

5th River Side Industrial Park
Seymour Cray Sr. Boulevard (S.T.H. 178)
Chippewa County Dental Clinic
Renaissance Faire Commercial Site

J. Effluent Limitation Compliance

Current Modeling Results – 36-38% removal as compared with “no controls”.

K. Fiscal Analysis

The City of Chippewa Falls Storm Water Utility was initiated on January 1, 2006. The adopted 2007 Budget has been attached in the appendix of this report.

L. Water Quality

Continued aggressive cleaning programs and Construction Site Management will have a continued affect on the City of Chippewa Falls MS4 system and its contaminant loading. The effort will also be more focused on reaching individual landowners through stenciling programs, available landowner information, and continued public information programs that may further reduce pollutant loading of the City's MS4.