

VILLAGE OF NORTH AURORA

2011 ANNUAL I.E.P.A. FACILITY INSPECTION REPORT
March 2010 to March 2011 Reporting Year

**NPDES PERMIT FOR STORM WATER DISCHARGES FROM
MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

A. CHANGES TO BEST MANAGEMENT PRACTICES - There are no changes to the BMP's this reporting period.

- A. Public Education and Outreach**
No changes this reporting period
- B. Public Involvement and Participation**
No changes this reporting period
- C. Illicit Discharge Detection and Elimination**
No changes this reporting period
- D. Construction Site Runoff Program**
No changes this reporting period
- E. Post Construction Storm water Quality Management in New Development**
No changes this reporting period
- F. Pollution Prevention and Good Housekeeping for Municipal Operations**
No changes this reporting period.

B. STATUS OF COMPLIANCE WITH THE PERMIT CONDITIONS, INCLUDING AN ASSESSMENT OF THE BMPS AND PROGRESS TOWARD THE MEASURABLE GOALS

The Six (6) Control Measures outlined in the Village of North Aurora's "Notice of Intent" are presented in this report as follows:

(A.) Public Education and Outreach

BMP A.1 Distributed Paper Material: The Village of North Aurora has provided information to the public in the form of pamphlets received from both Kane County and the Kane DuPage Soil and Water Conservation District regarding the impact of storm water discharges and what can be done to prevent storm water pollution. Brochures have been distributed to schools, library and are available at the North Aurora Village Hall

BMP A.2 Speaking Engagement: The Village of North Aurora engaged the services of a representative from the Kane DuPage Soil Conservation District to speak at the Public Hearing meeting held on February 7, 2011.

BMP A.3 Public Service Announcements: a public service announcement will run on the Fox Valley Television cable channel 17. This announcement was run from January 24, 2011 to January 28, 2011 (documentation on file)

The Village of North Aurora has also published an announcement in the Village's newsletter. A copy of the April 2010 newsletter announcement is enclosed. (copies in file)

The Village of North Aurora's Notice of Intent is available on the Village's website for public access.

- BMP A.4 Community Event: The Annual North Aurora Days Celebration was held on August 6-8, 2010 and provided an opportunity for Public Works Superintendent to be available to the public to answer questions and provide information regarding storm water pollution prevention.
- BMP A.5 Classroom Education Material: The Village of North Aurora has distributed educational materials, received from Kane County and the Kane DuPage Soil and Water Conservation District, to the local schools.

(B.) Public Involvement and Participation

- BMP B.4 Public Hearing: The Village of North Aurora held a public hearing on February 7, 2011 , at which meeting individuals expressed their concerns and comments with regard to preventing storm water pollution. A copy of the Public Hearing meeting published notice and minutes are on file.
- BMP B.5 Assist volunteers and monitor their efforts with prevention of illegally discharge of storm water pollution: The Village of North Aurora worked with the Lion’s Club and the Leo’s kids club on a clean-up day on Saturday, April 17, 2010 to remove trash and debris from along the riverbank. The volunteers were assisted and monitored by the Village of North Aurora Public Works Superintendent and Village Trustees.

(C.) Illicit Discharge Detection and Elimination

- BMP C.1 Storm Sewer Map Preparation: The Village maintains and updates as necessary the computerized storm water mapping system. The map identifies storm sewer mains, sewer size and locations, catch basin locations, and discharge points to receiving waters (Fox River and tributary streams). A copy of the storm sewer map is on file.
- BMP C.2 Regulatory Control: When an illicit discharge is detected, the North Aurora Fire Department is notified. They have jurisdiction to enforce “spiller pays” provisions that require discharger to pay all costs associated with clean-up activities. The Public Works Department works cooperatively with the Fire Department to assist with those clean-up activities. There was no illicit discharge issues to report for this year.
- BMP C.3 Detection/Elimination Prioritization Plan: The detection and elimination of illicit storm water discharges are a high priority for the Public Works Department and Village Engineer and the NPDES guidelines are followed as part of the plan. Smoke testing of the sewers will be scheduled for 2011, budget permitting.

Inspection of industrial / business connections: The Village does random smoke testing on sewer connections and discharge points at industrial locations / businesses on an annual basis to observe chemical storage practices and manufacturing activities to insure any accidental spills are contained, reported as necessary and prevented.

Sanitary Sewer Evaluation Survey Program (SSES): The Village checks for overflows and to be sure that there are no cross connections on a monthly basis. Violations are handled by issuing warnings with a deadline to fix the problem, and if deadlines are missed then violators face fines and/or court attendance. There are no violations to report for this year.

The Village of North Aurora Public Works Department has a program in place that allows for monitoring the discharge of illicit storm water from construction, industrial, and business in the Village of North Aurora. Copies of Inspection reports are on file which outlines the monitoring of discharge of illicit storm water from construction issues and control measures that have been put into place to resolve issues.

Develop enforcement procedures to eliminate illicit storm water discharges:
Enforcement procedures are in place and addressed by the Public Works Superintendent. If failure to comply is evident, the issue is turned over to the Code Enforcement Officer for follow-up and issuing fines if not complied with.

(D.) Construction Site Runoff Program

- BMP D.1 Regulatory Control Program: The Village of North Aurora has adopted Kane County's Ordinance 2001-73, and this Ordinance incorporates by reference all of the provisions of the Kane County Storm Water Management Ordinance which was adopted by the Kane County Board on October 9, 2001 and is enforced within the municipal limits by the Village of North Aurora.
- BMP D.2 Erosion and Sediment Control BMP's: Adopted Kane County Storm Water Ordinance and has an intergovernmental agreement with the Kane-DuPage Soil and Water Conservation District to provide on-going construction site soil erosion inspections for construction sites greater than or equal to 2 acres. The KDSWCD has authority to inspect these sites for NPDES compliance. The Kane DuPage Soil and Water Conservation District provided 2 plan reviews on construction sites totaling 6 acres.
- BMP D.3 Other Waste Control Program: The Village of North Aurora addresses the control of construction wastes such as discarded building material, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality. The North Aurora Police Facility construction site has a concrete truck washout area and dumpsters for the disposal of building materials in order to comply with the Village's construction waste control program.
- BMP D.4 Site Plan Review Procedures: The North Aurora Public Works Department, the Building and Zoning Department, and the Village Engineer jointly address plan reviews and site runoff control procedures with all contractors during pre-construction meetings, as well as conducting site inspections and ensuring enforcement. Inspection reports are enclosed with this report and also kept on file.

Develop procedures for erosion and sediment control during construction projects:
The Village of North Aurora follows the procedures of the Kane DuPage Soil and Water Conservation District for erosion and sediment control. The Village Engineer has completed site inspections of various sites and the inspection reports are enclosed with this report and also kept on file.

(E.) Post Construction Storm water Quality Management in New Development

- BMP E.2 Regulatory Control Program: The Village of North Aurora has adopted Kane County's Ordinance 2001-73, an ordinance amending Appendix E, "storm water management regulations" of the North Aurora Municipal Code. This Ordinance incorporates by reference all of the provisions of the Kane County Storm Water Management Ordinance which was adopted by the Kane County Board on October 9, 2001 and is enforced within the municipal limits by the Village of North Aurora

The Village of North Aurora Public Works Department and Village Engineer maintain the punch list close out standards for all development as well as any road projects in the Village. Punchlists for the road projects and construction projects listed in this report are on file.

- BMP E.7 Other Post Construction Runoff Controls:** All storm water management facilities will be owned by public agency (or homeowners association) with long term maintenance costs covered by Special Service Areas (SSA).

Village Staff conducts site inspections of all construction/development projects on a regular basis to ensure all rules and requirements pertaining to runoff control measures are met. After project completion, the Village will continue to conduct post construction inspections to ensure the regulatory control program was successful and remains in operation. Completed road projects have been inspected, catch basins have been cleaned and filter fabrics removed. Site Inspection Reports are enclosed and are on file for all post construction inspections.

(F.) Pollution Prevention and Good Housekeeping for Municipal Operations

- BMP F.1 Employee Training Program:**

North Aurora Employee Training was scheduled for February 23, 2011 with Kane DuPage Soil and Water Conservation District for Public Works Employees. The training was rescheduled by representatives of the Kane DuPage Soil and Water Conservation District and will be held in March 2011.

- BMP F.2 Inspection and Maintenance Program**

Fleet and building maintenance: Fleet and building maintenance is performed on a monthly basis by Village Staff. Used motor oils, fluids, batteries, tires, etc are all recycled through approved recycling programs.

Village vehicle washing: Village vehicles are washed on a weekly basis using biodegradable, environmentally safe detergents at a vehicle wash station within the Public Works facility which collects all wastewater and discharges through an approved triple trap system, where it ultimately is discharged to the sanitary sewer system. The Police Department washes all vehicles through a public car wash that recycles and filters the water used. Wastewater from these facilities is discharged to the sanitary sewer system. The North Aurora Fire Department vehicles are washed at Fire Station 2 inside where runoff is discharged through an approved triple trap system.

Parking lots and street cleaning: Bi-annual cleaning is done on all parking lots and streets and debris is dumped at an appropriate landfill to keep storm sewers free of debris. Street sweeping was done throughout the village and documentation is on file. Leaf collection program was conducted in October and November 2010,

Road salt application and storage: Salt is stored in two covered salt domes with an impervious surface, and roads are salted using a minimal amount of salt, which is treated with an environmentally friendly liquid to help limit the amount of salt needed.

Spill Response and prevention: The Public Works Department manages the prevention and response of spills as needed.

Storm drain system cleaning – increase inlet cleaning frequency on main roads: The Public Works Department attempts to clean approximately 8,000 ft. of storm drain system annually. Storm drains were not cleaned this year due to lack of manpower and budget constraints.

C. RESULTS OF ANY INFORMATION COLLECTED AND ANALYZED, INCLUDING MONITORING DATA

A list of monitoring data for all constructions sites that were monitored for the **2010-2011** reporting period is as follows with documentation included and on file.

- *Riverwoods on the Fox*
- *Randall Highlands*
- *Orchard Commons*

D. SUMMARY OF STORM WATER ACTIVITIES PLANNED FOR THE NEXT REPORTING CYCLE

The Village of North Aurora will engage the services of a representative from the Kane DuPage Soil and Water Conservation District to provide an opportunity to speak at a public meeting to promote pollution prevention and provide information.

The Village of North Aurora will schedule a public hearing at a board meeting in 2010, at which meeting any individuals expressing an interest will be addressed on public involvement in preventing storm water pollution; the Village will also engage a speaker from the Kane DuPage Soil and Water Conservation District to speak on pollution prevention and education at this public hearing.

Public Service Announcements: Another service announcement regarding the prevention of storm water pollution will run on the Village's cable channel 17 and will also be printed in the Village Newsletter.

The Village of North Aurora will continue to promote pollution prevention and education to the community during the annual North Aurora Days festival in the form of pamphlets and brochure hand-outs.

The Village of North Aurora will continue to provide random checks on sewer connections and discharge points at industrial locations / businesses on an annual basis, as well as continue to check for overflows and that there are no cross connections on a regular basis.

The Community Development Department will continue to review site plans along with the Village Engineer with input from the Public Works Superintendent at all pre-construction meetings.

The Village will continue to maintain thorough and rigorous punch list close-out standards at the conclusion of any private development including flushing of storm sewer silt, vector clean up of all catch basins, removal of all silt deposits, and restoration of any eroded or scoured surface.

The Public Works Department will continue to clean 8,000 ft. +/- of storm drain system annually if funding is available.

The Village will continue the bi-annual cleaning program of all parking lots and streets with all debris to be dumped at appropriate landfills in order to prevent pollution of the storm sewers.

E. NOTICE OF RELYING ON ANOTHER GOVERNMENTAL ENTITY TO SATISFY SOME OF THE PERMIT OBLIGATIONS

The Village of North Aurora relies on Kane County to assist in satisfying our permit obligations in that the Village of North Aurora has adopted the Kane County Storm water Ordinance. The Village of North Aurora has also retained the services of the Kane-DuPage Soil and Water Conservation District to provide the Village's on-going construction site soil erosion inspections.

**F. CONSTRUCTION PROJECT LIST
THE FOLLOWING ROAD AND CONSTRUCTION PROJECTS WERE ACTIVE IN THE VILLAGE OF NORTH AURORA FROM March 2010 to March 2011**

Road Construction and Developments continued from 2010 – 2011 Description

Road Construction:

New Police Station	Project Completed – September 2010
West State Street	Install Storm Sewer, Spot Curb Replacement And Resurface - Completed September 2010
Sharon Lane (100 Block)	Total Reconstruct– Added Storm Sewer, Curb, and Surface
Monroe Street	Total Reconstruct– Added Storm Sewer, Curb and Surface

Development:

Chase Bank (Hansen Blvd)	Completed – October 2010 (under 1 acre)
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Road Construction and Developments 2011 – 2012 Description

Road Construction:

Acorn Drive	Storm Sewer, Curb Replacement, Surface
Cottonwood Drive	Curb Replacement, Some Storm Sewer, and Surface
Butternut Drive	Curb Replacement, Some Storm Sewer, Surface
Sharon Lane (Hill Av. to Banbury)	Total Reconstruct Install Storm Sewer, Curb and Surface
Laurel Drive (April to Long)	Total Reconstruct, Install Storm Sewer, Curb and Surface
Arrowhead (Sharon to Long)	Total Reconstruct, Install Storm Sewer,

Curb, Surface and some Sanitary Sewer