

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Website address: <http://www.epa.state.il.us/water/permits/storm-water/forms/annual-facility-inspection-ms4.pdf>

Complete each section of this report.

REPORTING PERIOD FROM: MARCH, 2007	TO: MARCH 2008	ILR40 00264
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MS4 OPERATOR INFORMATION: (As it appears on the current permit)

NAME: McHenry County Division of Transportation		TELEPHONE NUMBER: 815-334-4960	
MAILING ADDRESS: 16111 Nelson Road			
CITY: Woodstock	STATE: IL	ZIP: 60098	COUNTY: McHenry
CONTACT PERSON: (Person responsible for Annual Report) Joseph R. Korpalski			

NAME(S) OF GOVERNMENTAL ENTITY(IES) IN WHICH MS4 IS LOCATED: (As it appears on the current permit)

McHenry County	

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. CHANGES TO BEST MANAGEMENT PRACTICES (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

1. Public Education and Outreach	<input checked="" type="checkbox"/>	4. Construction Site Runoff Control	<input checked="" type="checkbox"/>
2. Public Participation/Involvement	<input checked="" type="checkbox"/>	5. Post-Construction Runoff Control	<input checked="" type="checkbox"/>
3. Illicit Discharge Detection & Elimination	<input checked="" type="checkbox"/>	6. Pollution Prevention/Good Housekeeping	<input checked="" type="checkbox"/>

B.
Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C.
Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D.
Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E.
Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F.
Attach a list of construction projects that your entity has paid for during the reporting period.

SIGNATURE: Joseph R. Korpalski, Jr. DATE: MAY 22, 2008

Please submit inspection reports to:

Illinois Environmental Protection Agency, DWPC
Compliance Assurance Section
1021 North Grand Avenue East, POB 19276
Springfield, Illinois 62794-9276

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

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Part A. Changes to Best Management Practices

Note: X indicates BMPs performed that were proposed in your NPDES permit
 ✓ indicates changes to BMPs proposed in your NPDES permit

QLP	Year 1	Year 2	Year 3	Year 4	Year 5		QLP	Year 1	Year 2	Year 3	Year 4	Year 5	
	MS4							MS4					
	A. Public Education and Outreach							D. Construction Site Runoff Control					
	X	X	X	✓	✓	A.1 Distributed Paper Material	X	X	✓	✓	✓	✓	D.1 Regulatory Control Program
						A.2 Speaking Engagement							D.2 Erosion and Sediment Control BMPs
	X	✓	✓	✓	✓	A.3 Public Service Announcement		X	✓	✓	✓	✓	D.3 Other Waste Control Program
						A.4 Community Event							D.4 Site Plan Review Procedures
						A.5 Classroom Education Material	X	X	✓	✓	✓	✓	D.5 Public Information Handling Procedures
	X	X	X	X	✓	A.6 Other Public Education							D.6 Site Inspection/Enforcement Procedures
	B. Public Participation/Involvement						X				✓	✓	D.7 Other Construction Site Runoff Controls
						B.1 Public Panel							
X						B.2 Educational Volunteer	X				✓	✓	
						B.3 Stakeholder Meeting							
						B.4 Public Hearing							
X						B.5 Volunteer Monitoring							
X						B.6 Program Coordination	X	X	✓	✓	✓	✓	E.1 Community Control Strategy
	X	X	X	✓	✓	B.7 Other Public Involvement	X				✓	✓	E.2 Regulatory Control Program
	C. Illicit Discharge Detection and Elimination												E.3 Long Term O&M Procedures
	X	X	✓	✓	✓	C.1 Storm Sewer Map Preparation		X	X	X	X	X	E.4 Pre-Const Review of BMP Designs
	X	✓	✓	✓	✓	C.2 Regulatory Control Program Review Ordinances	X				✓	✓	E.5 Site Inspections During Construction
	X	X	✓	✓	✓	C.2 Regulatory Control Program Coordinate with MCESDA	X				✓	✓	E.6 Post-Construction Inspections
	X	X	✓	✓	✓	C.3 Detection/Elimination Prioritization Plan							E.7 Other Post-Const Runoff Controls
	X	X	✓	✓	✓	C.4 Illicit Discharge Tracing Procedures							
	X	X	✓	✓	✓	C.5 Illicit Source Removal Procedures							
						C.6 Program Evaluation and Assessment							
						C.7 Visual Dry Weather Screening	X						
						C.8 Pollutant Field Testing							
						C.9 Public Notification							
						C.10 Other Illicit Discharge Controls							
	F. Pollution Prevention/Good Housekeeping												
	X	X	X	✓	✓	F.1 Employee Training Program		X	X	X	✓	✓	F.2 Inspection and Maintenance Program
	X	X	X	X	X	F.2 Municipal Operations Storm Water Control – S &H		X	X	X	✓	✓	F.3 Municipal Operations Storm Water Control – Sweeping
	X	X	X	✓	✓	F.3 Municipal Operations Waste Disposal		X	X	X	✓	✓	F.4 Municipal Operations Waste Disposal
						F.5 Flood Management/Assess Guidelines							F.5 Flood Management/Assess Guidelines
						F.6 Other Municipal Operations Controls							F.6 Other Municipal Operations Controls

Part B. Status of Compliance with Permit Conditions

(Provide the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable [MEP], and your identified measurable goals for each of the minimum control measures.)

Status of Compliance with Permit Conditions

The McHenry County Division of Transportation (MCDOT) came into compliance with its NPDES Phase II Permit for the MS4 system during the reporting period, but is transitioning its reporting, logging, monitoring, and recording of actions with respect to illicit discharges to software called Cartegraph for better record keeping and accountability in the next year.

Assessment of Appropriateness of Identified BMPs

McHenry County incorporates the reviewed and identified structural and non-structural BMPs included in the McHenry County Stormwater Management Ordinance, McHenry County Access Management Ordinance, McHenry County Subdivision Ordinance which now includes Conservation Design Standards, Illinois Urban Manual, and IDOT Standards and Specifications into all development and transportation projects to the practicable maximum extent.

Progress Towards a Reduction in Pollutants Discharged

MCDOT has reduced and continues to reduce its salt usage during winter through new innovative pre-wetting and liquid mixtures in conjunction with equipment calibration. The MCDOT maintenance department continues to collect trash in the right-of-way every spring in conjunction with the strong Adopt-A-Highway program in McHenry County. Additionally, the street sweeper is reducing sediment load to receiving waters. These programs result in a large amount of tangible waste never reaching the surface waters of McHenry County. With the new Groundwater Protection Program, education about surface and groundwater contamination is reaching more McHenry County residents of all ages, and will continue to do so in the future.

Progress Towards Achievement of Measurable Goals Identified for Permit Year 5

The status of progress towards achieving identified measurable goals for each of the minimum control measures is presented below:

1. Public Education and Outreach

BMP A.1 Distributed Paper Material

The goal of this program will be to make available informational brochures to the public to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 5: The MCDOT will monitor and refresh supplies of informational material and brochures available at the MCDOT building and other locations.

The MCDOT met its measurable goal of obtaining informational material and brochures that increases awareness of the impacts of stormwater discharges on water bodies and steps that the public can take to reduce pollutants in stormwater runoff and made such information available to the public at the MCDOT facility and McHenry County Planning & Development Department.

1. Public Education and Outreach (cont.)

BMP A.3 Public Service Announcement

The goal of this program is to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 5: The MCDOT will include a storm water and/or water quality related article once a year in a conservation organization's newsletter which is distributed countywide, included on the McHenry County DOT website, or in one of the two main local newspapers the Daily Herald or Northwest Herald distributed in McHenry County. Partnership with another MS4 permit holder will be considered to accomplish this BMP.

The MCDOT met its measurable goal taking credit with a conservation organization's newsletter. McHenry County Conservation District Landscapes ran the article titled Protecting our Groundwater Supply in the Winter 2007-08 issue. Also, the Northwest Herald ran Groundwater Group Looks to Make Waves September 2007 detailing the formation of the McHenry County Groundwater Protection Program and the article Groundwater Seeps into Conscience February 2008. The MCDOT has linked the McHenry County Water Resources website to the NPDES website. The Water Resources website reports on the Groundwater Protection Program activities and maintains a large number of current articles on protecting ground water, promoting water issue awareness, and conservation of water.

BMP A.6 Other Public Education - Web Site Links

The goal of this program is to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 5: The MCDOT now has a Data/Communications Manager who will monitor the website link(s) and update as new information becomes available.

The MCDOT has met its measurable goal of including stormwater information, brochures, articles, volunteer programs, all NPDES reports, other agency newsletters, and agency links on the MCDOT's NPDES website: <http://www.co.mchenry.il.us/common/CountyDpt/highway/hwyNPDES.asp>. All links are monitored for operation, content, and current information. Updates are made as new information becomes available by the Data/Communications Manager. Monitoring is performed by both the Data/Communications Manager and NPDES Program Manager.

2. Public Participation / Involvement

BMP B.7 Other Public Involvement

The goal of this program is to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage features.

Year 5: The MCDOT will create a Citizens Report Form or similar method with check boxes for reporting illicit discharges and storm water maintenance problems and post it on the MCDOT website. The MCDOT Maintenance Department will be responsible for tracking the reports by location and problem starting in Year 5.

In 2007 and during 2008, the MCDOT is in the process of transitioning to Cartegraph software to improve the locating, tracking, and record keeping of citizen complaints. This software will incorporate a list of issues including illicit discharges for reporting problems and will notify by email the appropriate maintenance, drainage, or construction personnel; thereby expediting internal communication and work order processing. This program will be linked to the MCDOT's homepage when operational. Meantime, the citizen can continue to call the MCDOT's general number (815) 334-4960 to report a safety problem, flooding, or illicit discharge.

3. Illicit Discharge Detection and Elimination

BMP C.1 Storm Sewer Map Preparation

The goal of this program is to develop a storm sewer and structure map all drainage structures in the County's Right-of-Way.

Year 5: The MCDOT Drainage Engineer will continue to update the storm sewer map and catalog aerial photographs, as built plans, and other informational maps with all drainage assets for all County routes. Additionally, McHenry County is currently implementing a countywide GIS system to include aerial photography, centerlines and multiple asset layers, including 2 foot contours. Inventory of drainage assets will continue to be located and recorded with GPS coordinates throughout Year 5. Input of this collected data into GIS will be done when the GIS system is implemented and functioning.

The MCDOT has exceeded its measurable goal. The MCDOT Drainage Engineer has surveyed the entire County Route system consisting of 225 center lane miles for types and condition of drainage structures, flow patterns, and other related information. The information collected is currently available on aerial photographs with appropriate scale. GPS locations can be ascertained by a number of programs such as Google Earth and ArcGIS. An Outfall to Receiving Streams location map has been made in ArcMAP. This map will continue to be reviewed and updated as needed. Field inventory will continue as construction projects are completed. McHenry County is currently implementing a countywide GIS system to include aerial photography, centerlines and multiple asset layers, including 2 foot contours.

BMP C.2 Regulatory Control Program – Review Ordinances

The goal of this program is to eliminate any non-stormwater discharges to any drainage system within the MCDOT Right-of-Way by analyzing and amending existing Ordinances as needed.

Year 5: The MCDOT will continue to comply with the most stringent NPDES ordinances applicable to each project, whether specified by the MCSMO, the Army Corps of Engineers' Permit, the Illinois Department of Natural Resource's permit, and/or the Illinois Department of Transportation Floodway Permit.

The MCDOT has met its measurable goal by reviewing the McHenry County Stormwater Management Ordinance (MCSMO), which the MCDOT is required to comply. The MCDOT complies with the most stringent NPDES ordinances applicable to each project, specified by the MCSMO, the Army Corps of Engineers' Permit, the Illinois Department of Natural Resource's permit, and/or the Illinois Department of Transportation Floodway Permit. No overall watershed ordinance for McHenry County exists at the present time. The MCDOT Access Management Ordinance is still in the process of being revised by an outside consultant. McHenry County Board approved the amendment of the Subdivision Ordinance to include Conservation Design Standards and Procedures February 19, 2008, for low impact development.

BMPs C.2 Regulatory Control Program, C.3 Detection/Elimination Prioritization Plan, C.4 Illicit Discharge Tracing Procedures, and C.5 Illicit Source Removal Procedures

The goal of this program is to develop procedure for tracking, investigating, and eliminating illicit discharges to the storm sewer system.

Year 5: The MCDOT will revise the general report form to include illicit discharges, create a Citizen's Report form on the MCDOT website, revise the accompanying procedures for investigating reports of illicit discharges to the storm sewer system as necessary, and create a NPDES tracking log book which will be kept by the MCDOT Maintenance Department by the end of Year 5. MCDOT will continue to coordinate with McHenry County Emergency Management Agency (MCEMA) and follow up on all illicit discharges reported.

The MCDOT Maintenance Department has a general form used for reporting a specific incident needing immediate remediation and procedures in place to deal with such incident. McHenry County Health Department investigates and rectifies all illicit discharges in Unincorporated McHenry County. Procedures are in place in which the

McHenry County Emergency Management Agency (MCEMA), formerly McHenry County Emergency Services Disaster Agency (MCESDA), coordinates with MCDOT on all illicit discharges that happen in the MCDOT right-of-way. No illicit discharges were reported by MCEMA for Year 5.

4. Construction Site Runoff Control

BMP D.1 Regulatory Control Program, D.2 Erosion and Sediment Control BMPs, and D.4 Site Plan Review Procedures

The goal of these BMPs are to include requirements for submittal of sediment and control plans for developments greater than or equal to one acre in size to the Illinois Environmental Protection Agency (IEPA).

Year 5: MCDOT will continue to submit all projects which disturb greater than or equal to one acre in size to the McHenry County Soil & Water Conservation District (MCS&WCD) and comply with IEPA, Army Corps of Engineers, and MCS&WCD most stringent erosion and sediment control standards specified.

*MCDOT has met its measurable goal and will continue to comply with the most stringent erosion and sediment control measures specified by Army Corps of Engineers, IEPA, MCS&WCD, McHenry County Stormwater Management Ordinance(MCSMO) and Access Management Ordinance. The IEPA has a cooperative agreement with the McHenry County Soil & Water Conservation District (MCS&WCD) to review all soil and erosion control plans for MCDOT projects which disturb >1 acre area of soil **if** that project requires an Army Corps permit. MCS&WCD reviews all plans in accordance with the Illinois Urban Manual standards. MCDOT requires all internal transportation projects to include a Storm Water Pollution Prevention Plan designating erosion and sediment control BMPs into the plans in accordance with the Illinois Urban Manual and IDOT specifications.*

The McHenry County Planning and Development Department (MCP&D) and/or Certified Communities per the MCSMO within the County are responsible for reviewing site plan developments and all sediment and erosion control plans with respect to regulated development. MCP&D is responsible for undertaking the necessary review of the Stormwater Management Ordinance and evaluate if it needs revision with respect to NPDES permitting requirements for submittal of sediment and erosion control plans for developments greater than or equal to one acre in size to the Illinois Environmental Protection Agency.

BMPs D.6 Site Inspection/Enforcement Procedures and D.7 Other Construction Site Runoff Controls

The goal of these BMPs are to require a preconstruction meeting and lawfully inspect developments periodically and check that the permit runoff controls are being followed.

Year 5: Clarify the Qualifying Local Program for these associated BMPs.

*BMP D.6 - The McHenry County Planning, Inspection, and Enforcement Division of the McHenry County Planning & Development Department is responsible for acceptance, review, issuance and inspection of all **regulated development** permits per the McHenry County Stormwater Management Ordinance. For BMP D.7, Article V, Section E, Item 4 of the McHenry County Stormwater Management Ordinance requires periodic soil erosion and sediment control inspections.*

For all road and bridge projects lead by the MCDOT, BMP D.6 - preconstruction meetings are required by Illinois Department of Transportation Construction Memorandum No. 03-70. BMP D.7 - periodic soil erosion and sediment control inspections are required by Article V, Section E, Item 4 of the McHenry County Stormwater Management Ordinance

5. Post-Construction Runoff Control

BMP E.2 Regulatory Control Program

The goal of this BMP addresses stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre.

Year 5: MCDOT will continue to comply with the BMPs set forth for permanent erosion and sediment control standards specified by the IEPA, Army Corps of Engineers, MCS&WCD, McHenry County Stormwater Management Ordinance and McHenry County Access Ordinance.

MCDOT has met its measurable goal and will continue to comply with the most stringent erosion and sediment control measures specified by Army Corps of Engineers (ACOE), IEPA, MCS&WCD, McHenry County Stormwater Management Ordinance and Access Management Ordinance. The ACOE has a cooperative agreement with the McHenry County Soil & Water Conservation District (MCS&WCD) to review all temporary and permanent soil and erosion control plans for MCDOT projects and development projects which involve ACOE jurisdictional wetlands and disturb greater than or equal to one acre of soil. MCS&WCD reviews all plans in accordance with the Illinois Urban Manual standards.

The McHenry County Planning and Development Department (MCP&D) and Certified Communities adhere to the McHenry County Stormwater Management Ordinance Article V.E. for Erosion and Sediment Control standards and suggested BMPs for development projects that do not include ACOE jurisdictional wetlands. Also, MCP&D amended the McHenry County Subdivision Ordinance to include Conservation Design (Low Impact Development) Standards and Procedures for new developments adopted February 19, 2008. These new ordinances will serve as a qualifying local program for McHenry County MS4 permit for years 6 through 10.

BMP E.4 Pre-Construction Review of BMP Designs

The goal of this BMP will be to put in place procedures to identify structural and non-structural BMPs that can be incorporated into site development projects.

Year 5: MCDOT Drainage Engineer will continue to incorporate the review of stormwater structural and non-structural BMPs while reviewing current MCDOT projects and major access permits.

The MCDOT has met its measurable goal to incorporate stormwater structural and non- structural BMPs from the MCSMO and McHenry County Access Management Ordinance into current MCDOT projects and major access permits.

The McHenry County Planning and Development Department (MCP&D) and all Certified Communities have the responsibility of reviewing all site development plans with respect to structural and non-structural stormwater BMPs included in the MCSMO. MCP&D has the responsibility of reviewing and evaluating and revising as necessary the adopted MCSMO, MCSMO Technical Reference Manual, and McHenry County Subdivision Ordinance with respect to identifying structural and non-structural BMPs to be incorporated into site development plans.

5. Post-Construction Runoff Control (cont.)

BMP E.3 Long Term O&M Procedures, E.5 Site Inspection During Construction, E.6 Post-Construction Inspections

The goal of these BMPs is to assign responsibility for the maintenance of new storm sewers to a responsible party other than the County, to ensure the quality of the drainage system, and to validate the completion of construction.

Year 5: E.3 – The MCDOT will continue to enforce Section 4.4.4 of the Access Ordinance requiring a Maintenance Guarantee for a period of one year to ensure all failures by the developer are corrected.

E.5 – The MCDOT will continue to require pre-construction meetings for all MCDOT transportation projects per Illinois Department of Transportation Construction Memorandum No. 03-70.

- MCDOT and MCP&D are required to conduct periodic inspections during construction of transportation projects and development projects respectively per the MCSMO.
- E.6 – The MCDOT is required to perform a final inspection for all internal transportation projects per the Standard Specifications for Road and Bridge Construction Article 105.13.
- The MCP&D and Certified Communities are required to perform a final inspection by an appropriate Enforcement Officer for all development projects per the MCSMO.
 - The MCDOT Permit and Developer Projects Manager will continue to perform inspections of all access development work upon completion of construction by Access Ordinance 4.4.3 to certify all work had been completed in accordance with the terms of the permit.

The MCDOT and MCP&D have met its measurable goals and will continue inspections and enforcement of all pertinent ordinances for developments and transportation projects. The McHenry County Access Management Ordinance, Illinois Department of Transportation Construction Memorandum No. 03-70, McHenry County Stormwater Management Ordinance, and Standard Specifications for Road and Bridge Construction Article 105.13 will serve as a qualifying local program for McHenry County MS4 permit for years 6 through 10.

6. Pollution Prevention/Good Housekeeping

BMP F.1 Employee Training Program

The goal of this BMP is to educate MCDOT employees aimed at reducing or eliminating the discharge of pollutants to the storm sewer systems from MCDOT facilities and Right-of-Way.

Year 5: The MCDOT will continue in-house training and modify procedures as necessary to prevent the discharge of pollutants to the storm sewer systems from MCDOT facilities and Right-of-Way.

The MCDOT continues to meet its measurable goal for training MCDOT personnel to prevent the discharge of pollutants to the storm sewer systems from MCDOT facilities and Right-of-Way. A summary of programs and action taken in Year 5 are discussed below:

Fleet Maintenance Activities

Procedures that address spill prevention, material management, and good housekeeping practices that limit pollution discharges from vehicle O & M activities in the vehicle service shop are part of an ongoing staff training and education program.

BMP F.2 Inspection and Maintenance Program

The goal of this BMP is to complete inspections of outfalls and detention/retention facilities once every three years.

Year 5: The MCDOT Drainage Engineer will approve drafts of inspection forms and develop an inspection schedule of those ponds, detention/retention facilities, stream channels, and storm sewer outfalls which fall under the jurisdiction of the MCDOT during Year 5. Inspection of all assets will continue during Year 5.

The MCDOT Drainage Engineer has met its measurable goal by having completed 100% visual survey of the entire County's drainage structure inventory. Aerials have been marked up accordingly. Inspection of ponds, detention/retention facilities, stream channels, and storm sewer drainage which fall under the jurisdiction of the MCDOT will continue as they are identified or added.

6. Pollution Prevention/Good Housekeeping (cont.)

F.3 Municipal Operations Storm Water Control

The goal of this BMP is to identify current practices that contribute to stormwater pollution and implement programs and procedures for McHenry County Division of Transportation (MCDOT) activities that curtail the discharge of pollutants to storm sewer systems.

Year 5: MCDOT will receive (most likely in June 2007) a Pure Vacuum Street Sweeper with a catch basin cleaning attachment from Standard Equipment Company to clean County routes and storm sewer infrastructure. MCDOT Maintenance will monitor the debris amount from each area, evaluate its need for cleaning frequency, and schedule as needed.

The MCDOT continues to meet and exceed established standards to curtail the discharge of pollutants from MCDOT activities. A summary of programs and action taken in Year 5 are discussed below:

Fleet Maintenance Activities

Procedures are in place for - waste oil and anti-freeze storage tanks, and lead acid batteries awaiting pickup for recycling to be located inside the vehicle shop, so not exposed to storm water; Oil, hydraulic fluids, anti-freeze and cleaning solvents are located inside the building, well away from the outside doors; All used oil and anti-freeze is periodically picked up for off-site reclamation by a waste oil service. There are no "significant materials" which are exposed to storm water.

Street Maintenance Activities

Street Sweeping - Street sweeping has a direct beneficial impact on water quality. The McHenry County Division of Transportation maintains approximately twenty-three miles of curb line. All curbs have been swept once in the spring of every year by townships and municipalities with those curbs in their jurisdictions. Understanding the importance of street sweeping to reducing point-source pollutants, MCDOT Maintenance has purchased a street sweeper in 2007 to enhance the County's street sweeping operations to more frequent cleaning of all curbs. Additionally, the street sweeper is a vacuum sweeper with a catch basin attachment. MCDOT Maintenance has been monitoring the debris amount from each area, will evaluate its need for cleaning frequency, and will schedule cleaning as needed. Maintenance crews continue to sweep off islands and any bridge structure that has a pedestrian walkway connected to it just prior to sweeping.

Deicing Program – The McHenry County Division of Transportation (MCDOT) continues to maintain a "bare pavement" policy. The need for deicing materials continues to grow with potentially deleterious effects on water quality. To manage these negative impacts salt is stored under roof in the County's salt dome; all deicing liquids are stored in fiberglass tanks; so none of the deicing materials are exposed to storm water during storage. McHenry County is still a leader in pro-active snow and ice removal methods and the reduction of chlorides in groundwater. Pro-active methods, alternative chemicals and increased use in liquids along with employee training have contributed to the program. The McHenry County Division of Transportation has won the Salt Institutes Excellence in Storage award the past six years consecutively. The MCDOT Maintenance Superintendent continued to be published in Public Works, The APWA Reporter, American City & County, and Governing; plus, he regularly speaks on the topic of groundwater contamination and the benefits of the reduction of salts at environmental seminars across the Midwest. Additionally, the MCDOT Maintenance Superintendent traveled internationally throughout Europe to address more than eighteen different countries' top officials about liquid usage in winter operations and provide input on a similar liquid blending system built in Austria that was modeled on the MCDOT's blending system.

McHenry County Board, aware of the negative impacts to the groundwater supply and shortage forecasts, hired a Water Resource Manger to initiate a task force-lead initiative to research ordinances, policies, and BMPs to enhance the County's groundwater quality and supply. McHenry County Division of Transportation participated on the Pavement De-Icing Subcommittee to research better de-icing and salt storage and handling techniques. Explicit countywide procedures, policies and BMPs will be written for adoption by the County Board in the next several years.

Landscape Maintenance Activities

Vegetation Maintenance – The McHenry County Division of Transportation maintains twelve miles of guardrail along County highways. Use of herbicides for broadleaf weed control along guardrail is limited to locations of guardrail in the County and the time of year. The Division of Transportation contracts this work out, which is performed from mid April to mid May.

The McHenry County Division of Transportation performs noxious weed vegetation control along specific locations within the County system. The DOT uses herbicides having low toxicity to aquatic life. BMP's reflected in the County's maintenance activities include triple rinsing of herbicide containers and application of the rinsate to the area being treated, spill prevention during storage, use minimization, application by licensed operators, and careful selection of pesticide materials to minimize any potential adverse water quality impact.

Litter Control Activities

The County's litter control and waste programs serve to protect water quality and enhance the visual aesthetics of the County. Despite effort committed to public education, litter removal, street sweeping, dumping of trash along public right-of-ways, and litter from other sources still enters the storm water system. The MCDOT performs a cleanup of all public right-of-ways once a year in the spring to augment the Adopt-A-Highway program. This cleanup consists of all maintenance personnel walking and collecting all garbage along the roadside. After the cleanup is performed, Maintenance crews continue to perform weekly checks of the right-of-ways and pick up any garbage found.

Part C. Information and Data Collection Results

(Provide information and water quality sampling/monitoring data related to illicit discharge detection and elimination collected during the reporting period.)

Any water quality sampling/monitoring data collected was done by the McHenry County Health Department on an as-needed basis.

Part D. Summary of Year 6 Stormwater Activities

(Present a summary of the stormwater activities you plan to undertake during the next reporting cycle, including an implementation schedule in the sections following the table.)

The table shown below summarizes the BMPs committed to include in the MCDOT permit program for Year 6. Specific BMPs and measurable goals for Year 6 program development activities are presented in the sections following the table.

Note: X indicates BMPs committed to for Year 6.

Year 6		
QLP	MS4	
	X	A. Public Education and Outreach
		A.1 Distributed Paper Material
		A.2 Speaking Engagement
	X	A.3 Public Service Announcement
		A.4 Community Event
		A.5 Classroom Education Material
	X	A.6 Other Public Education
		B. Public Participation/Involvement
		B.1 Public Panel
X		B.2 Educational Volunteer
		B.3 Stakeholder Meeting
		B.4 Public Hearing
X		B.5 Volunteer Monitoring
X		B.6 Program Coordination
	X	B.7 Other Public Involvement
		C. Illicit Discharge Detection and Elimination
	X	C.1 Storm Sewer Map Preparation
X		C.2 Regulatory Control Program Review Ordinances
X		C.2 Regulatory Control Program Coordinate w/ MCEMA
X		C.3 Detection/Elimination Prioritization Plan
X		C.4 Illicit Discharge Tracing Procedures
X		C.5 Illicit Source Removal Procedures
		C.6 Program Evaluation and Assessment
		C.7 Visual Dry Weather Screening
		C.8 Pollutant Field Testing
		C.9 Public Notification
		C.10 Other Illicit Discharge Controls

Year 6		
QLP	MS4	
		D. Construction Site Runoff Control
X		D.1 Regulatory Control Program
X		D.2 Erosion and Sediment Control BMPs
X		D.3 Other Waste Control Program
		D.4 Site Plan Review Procedures
		D.5 Public Information Handling Procedures
X		D.6 Site Inspection/Enforcement Procedures
X		D.7 Other Construction Site Runoff Controls
		E. Post-Construction Runoff Control
		E.1 Community Control Strategy
X		E.2 Regulatory Control Program
X		E.3 Long Term O&M Procedures
	X	E.4 Pre-Const Review of BMP Designs
X		E.5 Site Inspections During Construction
X		E.6 Post-Construction Inspections
		E.7 Other Post-Const Runoff Controls
		F. Pollution Prevention/Good Housekeeping
	X	F.1 Employee Training Program
	X	F.2 Inspection and Maintenance Program
X		F.3 Municipal Operations Storm Water Control
		F.4 Municipal Operations Waste Disposal
		F.5 Flood Management/Assess Guidelines
		F.6 Other Municipal Operations Controls

1. Public Education and Outreach

BMP A.1 Distributed Paper Material

The goal of this program will be to make available informational brochures to the public to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 6: The MCDOT will continue to make the informational brochures available for the public at the MCDOT facility, Planning & Development office, and posted on the County's NPDES website.

BMP A.3 Public Service Announcement

The goal of this program is to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 6: The MCDOT will continue to include a stormwater and/or water quality related article once a year on the McHenry County DOT website, plus in a conservation organization's newsletter which is distributed countywide or in one of the two main local newspapers the Daily Herald or Northwest Herald distributed in McHenry County.

BMP A.6 Other Public Education - Web Site Links

The goal of this program is to increase awareness of impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

Year 6: The MCDOT will monitor the website link(s) and update as new information becomes available.

2. Public Participation / Involvement

BMP B.2 Educational Volunteer, B.5 Volunteer Monitoring, B.6 Program Coordination

See Qualifying Local Program – Adopt-A-Highway.

BMP B.7 Other Public Involvement

The goal of this program is to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage features, which will enable the MCDOT to investigate and schedule remediation in a time efficient manner.

Year 6: The MCDOT will transition their maintenance tracking system to software called Cartegraph to improve locating, tracking, and record keeping. The MCDOT will incorporate check boxes for reporting illicit discharges and stormwater maintenance problems and post it on the MCDOT website in Year 6.

3. Illicit Discharge Detection and Elimination

BMP C.1 Storm Sewer Map Preparation

The goal of this program is to maintain a storm sewer and structure map of all drainage and outfalls to receiving streams in the County's Right-of-Way for ease in tracking the source of any illicit discharge.

Year 6: The MCDOT will maintain and update as needed the storm sewer map which includes all outfalls and names of receiving waters within the MCDOT Right-of-Way. A database for all drainage related items is scheduled for testing Spring 2008. This database will be populated with the entire MCDOT drainage system and managed through the Cartegraph Drainage Module and ArcGIS during 2008.

BMP C.2 Regulatory Control Program- Review Ordinances

See Qualifying Local Program – McHenry County Planning and Development Department and McHenry County Health Department.

3. Illicit Discharge Detection and Elimination (cont.)

BMPs C.2 Regulatory Control Program, C.3 Detection/Elimination Prioritization Plan, C.4 Illicit Discharge Tracing Procedures, and C.5 Illicit Source Removal Procedures

See Qualifying Local Program – McHenry County Planning and Development Department, McHenry County Health Department, McHenry County Emergency Management Agency, Illinois Environmental Protection Agency, and State’s Attorney’s Office.

4. Construction Site Runoff Control

BMP D.1 Regulatory Control Program, D.2 Erosion and Sediment Control BMPs, and D.4 Site Plan Review Procedures

See Qualifying Local Program – McHenry County Planning and Development Department Stormwater Management Ordinance, Illinois Environmental Protection Agency, US Army Corps of Engineers, Illinois Urban Manual, and McHenry County Soil & Water Conservation District.

BMP D.6 Site Inspection/Enforcement Procedures and D.7 Other Construction Site Runoff Controls

See Qualifying Local Program – McHenry County Stormwater Management Ordinance, Illinois Department of Transportation Construction Memoranda

5. Post-Construction Runoff Control

BMP E.2 Regulatory Control Program

See Qualifying Local Program – McHenry County Stormwater Management Ordinance, McHenry County Conservation Design Standards adopted February 19, 2008, IEPA, Army Corps of Engineers, and McHenry County Soil & Water Conservation District.

BMP E.4 Pre-Construction Review of BMP Designs

The goal of this BMP will be to put in place procedures to identify structural and non-structural BMPs that can be incorporated into site development projects.

Year 6: MCDOT Drainage Engineer will continue to incorporate the review of stormwater structural and non-structural BMPs while reviewing current MCDOT projects and major access permits.

BMP E.3 Long Term O&M Procedures, E.5 Site Inspection During Construction, E.6 Post-Construction Inspections

See Qualifying Local Program – E.3 McHenry County Access Management Ordinance; E.5 McHenry County Stormwater Management Ordinance and Illinois Department of Transportation Construction Memorandum; E.6 McHenry County Stormwater Management Ordinance and Standard Specifications for Road & Bridge Construction

6. Pollution Prevention/Good Housekeeping

BMP F.1 Employee Training Program

The goal of this BMP is to identify current practices that contribute to stormwater pollution and implement programs and procedures for MCDOT activities that curtail the discharge of pollutants to storm sewer systems.

Year 6: The MCDOT will continue in-house training and modify procedures as necessary to prevent the discharge of pollutants to the storm sewer systems from MCDOT facilities.

BMP F.2 Inspection and Maintenance Program

The goal of this BMP is to complete inspections of outfalls and detention/retention facilities once every three years.

Year 6: The MCDOT Drainage Engineer will conduct non-routine inspection visits to address comments from residents and the MCEMA reports.

6. Pollution Prevention/Good Housekeeping (cont.)

F.3 Municipal Operations Storm Water Control

See Qualifying Local Program - McHenry County Division of Transportation Policies and Procedures, Street Sweeping Program, Salt and Liquid Storage and Handling policy in conjunction with Groundwater Protection Program,

Part E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

Not applicable during Year 5.

Part F. Construction Projects Conducted During Year 5

(Provide a list of construction projects your entity has paid for during the reporting period.)

Construction projects in Permit Year 5 funded by the McHenry County Division of Transportation (MCDOT) and covered by General Permit ILR400264 are listed below:

Project Name	Project Size (acres)	Construction Start Date	Construction End Date
Algonquin Road from Lakewood to Randall	Approx 30 acres	05/07	06/08
Ackman Road Extension from Haligus Road to Lakewood Road	14.7 acres	07/06	07/07
Streit Road Bridge	2.3 acres	03/07	11/07
Chapel Hill Road @ Bay Road intersection	5.0 Acres	04/07	10/07

Pending Future Construction Projects To Be Conducted During Year 6

Project Name	Project Size (acres)	Projected Construction Start Date	Projected Construction End Date
Algonquin Road from Lakewood to IL 47	31 acres	5/08	06/09
Harmony Road @ US 20 intersection	5 acres	5/08	8/08
Chapel Hill Road @ Lincoln Road intersection **Construction pending due to ROW issues	6 acres	6/08 (?)	10/08 (?)