ILLINOIS ENVIRONMENTAL PROTECTION AGENCY NOTICE OF INTENT

FOR GENERAL PERMIT FOR DISCHARGES FROM SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4s)

Input forms in Word format are available via email.

terri.lemasters@illinois.gov
or by calling the Permit Section at 217/782-0610
See address for mailing on last page

For Office Use Only – Permit No. ILR40____

Part 1	. General	Infor	mation
гап	. General		111241.1011

1.	MS4 Operator Name: McHenry	County Division of Tr	ansportation		
2.	MS4 Operator Mailing Address: Avenue16111	eminary	Woodstock	Illinois 60098	
	<u></u>	Street	City	State Zip	
3.	Operator Type: Division of Trans	portation		-	
	☐ City ☐ County ☐ Parish ☐ Reservation ☐ Village ☐ Town ☐ Township	Borough Precinct Hospital Prison Military Base Park College/Univer	Sev	oT/Highway Adm ver District od Control Dist ainage District sociation ner (list)	
4.	Operator Status	☐ State	County Lo	cal Other	
5.	Names(s) of Governmental Entity(ies) in which MS4 is located: McHenry County				
6.	Area of land that drains to your M	IS4 (in square miles):	624		
7.	Latitude/Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:				
	Latitude: 88 27 MIN.	30 Long	itude: 42	20 00 SEC.	
8.	Names(s) of known receiving water	ers Attach additional she	ets (Attachment 1) as	necessary:	
	1. Nippersink Creek	2. Nev	wman Creek		
	3. Slough Creek	4. <u>Silv</u>	ver Creek		
	5. Dutch Creek	6. <u>No</u>	rth Branch Dutch C	reek	
	7. Fox River	8. Fra	nklinville Creek		

9. Persons Respons	sible for Imp	lementation/Coordina	tion of Storm Water Management Program:
<u>Name</u>	<u>Title</u>	Telephone No.	Area of Responsibility
Joseph R.			
Korpalski Peter	County	015 334 4070	
Austin	Engineer	815.334.4960	Overall Implementation
Joseph Korpalski			DOT (MCM 1, 2, 3, and 6)
Mark Phipps			P&D (MCM 4 and 5)
Cassandra McKinney			P&D (MCM 1 and 2)
Patti Nomm			DOH (MCM 3)
(Details of BMP implem NOI.)	nentation for	each checked BMP nu	umber, e.g., A.1, F.2, is required in Part IV of this C.10 Other Illicit Discharge Controls
NOI.)		_	
Public Education and C	Dutroach	L	_ C.10 Other flucit Discharge Controls
A.1 Distributed Paper A.2 Speaking Engagem			
A.3 Public Service Ann			
A.4 Community Event			
A.5 Classroom Educati			
A.6 Other Public Educ	eation		
Public Participation/In	volvement		
B.1 Public Panel			
B.2 Educational Volun			
B.3 Stakeholder Meetin	ng		
B.4 Public Hearing B.5 Volunteer Monitor	ing.		
B.6 Program Coordina			
B.7 Other Public Invol			
Illicit Discharge Detect	ion and Elim	ination	
C.1 Storm Sewer Map	-		
C.2 Regulatory Contro	_		
C.3 Detection/Eliminat			
C.4 Illicit Discharge Ti C.5 Illicit Source Remo	_		
C.6 Program Evaluation			
C.7 Visual Dry Weathe		/V11V	
C.8 Pollutant Field Tes	_		
C 9 Public Notification	_		

9.

Information required by this form must be provided to comply with 415 ILCS 5/39 (2000). Failure to do so may prevent this form from being processed and could result in your application being denied.

	E.3 Long Term O&M Procedures
D. Construction Site Runoff Control	E.4 Pre-Construction Review of BMP Designs
D.1 Regulatory Control Program	E.5 Site Inspections During Construction
D.2 Erosion and Sediment Control BMPs	□ E.6 Post-Construction Inspections
D.3 Other Waste Control Program	☐ E.7 Other Post-Construction Runoff Controls
D.4 Site Plan Review Procedures	
D.5 Public Information Handling Procedures	
D.6 Site Inspection/Enforcement Procedures	F. Pollution Prevention/Good Housekeeping
□ D.7 Other Construction Site Runoff Controls	
	☐ F.3 Municipal Operations Storm Water Control
E. Post-Construction Runoff Control	☐ F.4 Municipal Operations Waste Disposal
☐ E.1 Community Control Strategy	☐ F.5 Flood Management/Assessment Guidelines
E.2 Regulatory Control Program	☐ F.6 Other Municipal Operations Controls
Part II. Best Management Practices (include shared r	esponsibilities) Proposed to be Implemented
in the MS4 Area (continued).	

QLP	MS4		
M	S4	1	
A. P	ublic E	ducat	ion and Outreach
	√	A.1	Distributed Paper Material
		A.2	Speaking Engagement
	✓	A.3	Public Service Announcement
		A.4	Community Event
		A.5	Classroom Education Material
	✓	A.6	Other Public Education
B. P	ublic P		pation/Involvement
		B.1	Public Panel
✓		B.2	Educational Volunteer
		B.3	Stakeholder Meeting
		B.4	Public Hearing
✓		B.5	Volunteer Monitoring
✓		B.6	Program Coordination
	✓	B.7	Other Public Involvement
C. I	llicit Di		ge Detection and Elimination
	✓	C.1	Storm Sewer Map Preparation
\checkmark		C.2	Regulatory Control Program
		C.3	Detection/Elimination
\checkmark			Prioritization Plan
		C.4	Illicit Discharge Tracing
\checkmark			Procedures
		C.5	Illicit Source Removal
\checkmark			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

QLP	MS4	
MS4		
D. C	onstruc	etion Site Runoff Control
-	✓	D.1 Regulatory Control Program
		D.2 Erosion and Sediment Control
#	\checkmark	BMPs
	✓	D.3 Other Waste Control Program
#	√	D.4 Site Plan Review Procedures
	✓	D.5 Public Information Handling
		Procedures
	✓	D.6 Site Inspection/Enforcement
#		Procedures
		D.7 Other Construction Site Runoff
4		Controls
E. P	ost-Con	struction Runoff Control
		E.1 Community Control Strategy
#	<u>√</u>	E.2 Regulatory Control Program
#	✓	E.3 Long Term O&M Procedures
#	<u>√</u>	E.4 Pre-Const Review of BMP Designs
	1	E.5 Site Inspections During
#		Construction
	•	•

QLP	MS4	
M	S4	
¥	<u>√</u>	E.6 Post-Construction Inspections
		E.7 Other Post-Const Runoff Controls
F. Po	ollution	Prevention/Good Housekeeping
	\checkmark	F.1 Employee Training Program
		F.2 Inspection and Maintenance
	\checkmark	Program
		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

Part III. Qualifying Local Programs

(Describe any qualifying local programs that you will implement in lieu of new permitting requirements.)

1. Public Education and Outreach:

The MCDOT does not currently have a qualifying local program for public education and outreach.

2. Public Participation/Involvement:

The McHenry County Adopt-A-Highway program is a volunteer effort directed at trash collection along sections of County Highways. Volunteer groups adopt a one-half to two-mile section of highway for a two-year period. Trash collections are conducted four times a year. The MCDOT provides supplies, training, and organization to volunteer groups that sign up for the program. This program relates to BMP numbers B.2, B.5, and B.6.

3. Illicit Discharge Detection and Elimination:

McHenry County has a staff of 3 Health Department inspectors whose job, in part, is to investigate possible illegal discharges to the County's stormwater system. McHenry County Planning and Development has an Enforcement Officer to investigate possible illegal discharges in unincorporated areas of McHenry County. All illegal discharge complaints by the public and/or County personnel are reported to the appropriate department. This measure relates to BMP C.2.

State and local law effectively prohibit through regulatory mechanism all non-stormwater discharges into the County's MS4. McHenry County has a stringent and progressive health ordinance to prohibit septic system discharges into the County-owned storm sewers and open channels. If an illegal discharge is suspected, the Health Department inspects the site and may conduct a dye test and/or collect a water sample for analysis or refers the problem to the appropriate agency. If the discharge is illegal, the County issues the owner a 10-day notice to correct the deficiency, a final notice if the deficiency is not corrected in a timely manner. If the owner remains in non-compliance, the case is then turned over to the State's Attorney, who then pursues legal action to enforce remediation of the illegal discharge. Non-septic system discharges are not regulated by the County and these types of suspected illegal discharges are addressed by notifying the regional IEPA office and coordinating with their investigation. These measures relate to C.2, C.3, C.4, and C.5.

4. Construction Site Runoff Control:

McHenry County projects

McHenry County has adopted and enforces a Stormwater Management Ordinance (MCSMO) which regulates construction site and post-development stormwater runoff and requires that erosion control measures must be incorporated into design for access facility and highway improvement plans. The County's Planning and Development Department (MCP&D) enforces this stormwater program in Unincorporated areas of the County as well as non-certified communities who do not have the in-house resources to administer and enforce the Ordinance. Amendments to the MCSMO by McHenry County Planning and Development Department to enhance "construction/post construction stormwater management" with a Conservation Design addendum were adopted by County Board February 19, 2008. All McHenry County facilities adhere to the MCSMO for all internal development construction projects. The MCSMO specifically addresses all requirements of the Construction Site Runoff Control Measure with the exception of management of construction waste and concrete truck washout. MCDOT incorporates erosion and soil control measures in all roadway project plans. The McHenry County Soil & Water Conservation District (MCSWCD) has entered into a Memorandum of Understanding August 19, 2008 with McHenry County Planning and Development to conduct certain soil erosion and sediment control inspections for all projects requiring a Stormwater Permit from MCP&D. MCSWCD also acts as the ACOE reviewer and inspector for erosion control.

4. Construction Site Runoff Control (cont.):

Developer projects in unincorporated McHenry County

MCDOT will continue to comply with IEPA, Army Corps of Engineers, Illinois Urban Manual, and MCS&WCD's most stringent erosion and sediment control standards specified. This relates to BMP numbers D.1, D.2 and D.4. IDOT Construction Memorandum No. 03-07 requires the owner/contractor to attend a pre-construction meeting for all transportation projects. This relates to BMP D.6. The MCSMO Article V, Section E.4 & E.5 mandates periodic inspections of erosion and sediment control measures. This relates to BMP D.7.

5. Post-Construction Runoff Control:

McHenry County has adopted and enforces a Stormwater Management Ordinance (MCSMO) which regulates construction site and post-development stormwater runoff. The County's Planning and Development Department enforces this stormwater program in Unincorporated areas of the County as well as non-certified communities who do not have the in-house resources to administer and enforce the Ordinances. Amendments to the MCSMO by McHenry County Planning and Development Department to enhance "construction/post construction stormwater management" low impact design will be recommended and submitted to County Board late February 2008, to be adopted thereafter. The County's Division of Transportation (MCDOT) enforces these ordinances for their internal construction projects. 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, Illinois Urban Manual, and MCS&WCD and other County ordinances. This requirement relates to BMP number E.2. The MCDOT Access Management Ordinance (AMO) Section 4.4.4 requires a maintenance guarantee for a 1-year minimum maintenance period from the developer before the MCDOT accepts maintenance responsibilities for road improvements. This measure relates to BMP number E.3. The 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. This measure relates to BMP number E.4. The IDOT Construction Memorandum No. 03-07 requires the owner/contractor to attend a pre-construction meeting and the MCSMO Article V.4.d required periodic inspection during construction for development and County projects. This measure relates to BMP number E.5. The MCSMO Article V.4.c requires a final inspection by an appropriate Enforcement Officer for all development projects in Unincorporated areas and the IDOT Standard Specifications for Road and Bridge Construction Article 105.13 requires a final inspection of County road projects upon completion of construction. This measure relates to BMP number E.6.

6. Pollution Prevention/Good Housekeeping:

The MCDOT has a salt dome for road salt and all runoff from the MCDOT facility and buildings drain to stormwater detention basins that are designed for settling of pollutants. All building floor drains lead to an in-line oil/water separator before being pumped to a County-owned sewage treatment facility. The MCDOT has purchased a vacuum sweeper and has started its own street sweeping program for the curb-and-gutter sections of the County highways. These practices relate to BMP F.3.

Copy and complete this page if additional pages are necessary:

Part IV. Measurable Goals (include shared responsibilities) Proposed to be Implemented by the MS4

(BMP No. should match that checked in Part II of this NOI. The applicant may repeat the same BMP No. where more than one BMP of similar type is to be implemented. Where necessary, attach additional sheets to provide more detail on each specific BMP.)

1. Public Education and Outreach

BMP No. A.1 Distributed Paper Material

Brief Description of BMP: The MCDOT will produce and make available brochures on public activities that can reduce stormwater pollution. These brochures will be made available for the public at the MCDOT facility, Planning & Development office, and posted on the County's NPDES website.

Measurable Goal - 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.

Milestones: YEAR 2009-2014: The MCDOT will continue to make the informational brochures available

for the public at the MCDOT facility, Planning & Development office, posted on the County's

NPDES website, and at public meeting for road construction projects.

BMP No. A.3 Public Service Announcement

Brief Description of BMP: The MCDOT will include at least one stormwater and/or ambient water quality related article on the County's NPDES website.

Measurable Goal - 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.

Milestones: YEAR 2009-2014: The MCDOT will continue to make stormwater and/or ambient water

quality related article on the County's NPDES website.

BMP No. A.6 Other Public Education

Brief Description of BMP: The MCDOT will maintain an NPDES website link on the Division of Transportation website that includes public activities that can reduce stormwater pollution.

Measurable Goal - 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.

Milestones: YEAR 2009-2014: The MCDOT will monitor the website link(s) and update as new

information becomes available.

2. Public Participation / Involvement

BMP No. B.7 Other Public Involvement

Brief Description of BMP: The MCDOT will maintain a Service Request Form on its website for reporting illicit discharges to the storm sewer and maintenance problems associated with ponds, drainage structures or outfalls within the MCDOT Right-of-Way. The complaint form will allow residents of McHenry County to electronically submit notification of infrastructure problems directly to MCDOT.

Measurable Goal - The goal of this program is to provide an avenue for 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.

Milestones: YEAR 2009: The MCDOT will transition their maintenance tracking system to

software called Cartegraph to improve locating, tracking, and record keeping.

YEAR 2010-2014: The MCDOT will support Cartegraph to maintain this tracking system of

Citizen Service Requests.

3. Illicit Discharge Detection and Elimination

BMP No. C.1 Storm Sewer Map Preparation

Brief Description of BMP: The MCDOT will maintain and update as needed a storm sewer map that includes all outfalls and the names of receiving waters within the MCDOT Right-of-Way.

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

Milestones: YEAR 2009-2014: The MCDOT will maintain and update as needed a storm sewer map that includes all outfalls and names of receiving waters within the MCDOT Right-of-Way.

6. Pollution Prevention/Good Housekeeping

BMP No. F.1 Employee Training Program

Brief Description of BMP: The MCDOT will maintain an education program for employees aimed at reducing or eliminating the discharge of pollutants from MCDOT facilities to the drainage system.

Measurable Goal - 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.

Milestones: YEAR 2009-2014: 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 No. F.2 Inspection and Maintenance Program

Brief Description of BMP: The MCDOT will implement procedures to require routine inspections of ponds, stream channels, and storm sewer outfalls within the MCDOT Right-of-Way once every three years. Nonroutine inspection visits will be required to address comments from residents and the McHenry County Emergency Management Agency (MCEMA) reports. Inspection forms will be used for each inspection and a tracking system implemented. Maintenance will be performed on drainage structures that are not performing as designed. All outfalls were inspected 2007.

Measurable Goal - The goal of this BMP is to complete inspections of outfalls and detention/retention facilities within the MCDOT ROW and jurisdiction once every three years to insure no long term illicit discharges.

Milestones: YEAR 2009: The MCDOT Drainage Engineer will conduct non-routine inspection visits to address comments from residents and the MCEMA reports.

YEAR 2010: The MCDOT Drainage Engineer will inspect those ponds, detention /

retention facilities, stream channels, and storm sewer outfalls on the outfall map which fall under the jurisdiction of the MCDOT.

YEAR 2011 & 2012 : The MCDOT Drainage Engineer will conduct non-routine inspection visits to address comments from residents and the MCEMA reports.

YEAR 2013: The MCDOT Drainage Engineer will inspect those ponds, detention / retention facilities, stream channels, and storm sewer outfalls on the outfall map which fall under the jurisdiction of the MCDOT.

YEAR 2014: The MCDOT Drainage Engineer will conduct non-routine inspection visits to address comments from residents and the MCEMA reports.

4. Construction Site Runoff Control

BMP No. D.1 Regulatory Control Program

Brief Description of BMP: McHenry County has adopted the McHenry County Stormwater Management Ordinance (SMO) and the Department of Planning and Development (P&D) enforces the SMO in unincorporated areas of the County and in non-certified communities. The SMO requires soil erosion and sediment control measures for all regulated development.

<u>Measurable Goal – P&D will enforce the SMO for all regulated development and will adopt amendments to</u> the SMO, as may be necessary from time to time.

Milestones: YEAR 2009-2014: P&D will continue to enforce the SMO for all regulated development and will adopt amendments to the SMO, as may be necessary from time to time.

BMP No. D.2 Erosion and Sediment Control BMPs

Brief Description of BMP: The SMO requires soil erosion and sediment control measures for all regulated development.

<u>Measurable Goal</u> – P&D will continue to require soil erosion and sediment control measures for all regulated <u>development</u>.

Milestones: YEAR 2009-2014: P&D will continue to require soil erosion and sediment control measures for all regulated development.

BMP No. D.3 Other Waste Control Program

Brief Description of BMP: The SMO requires proper disposal of construction material debris at the development site for all regulated development.

<u>Measurable Goal – P&D</u> will continue to require proper disposal of construction material debris at the development site for all regulated development.

Milestones: YEAR 2009-2014: P&D will continue to require proper disposal of construction material debris as the development site for all regulated development.

BMP No. D.4 Site Plan Review Procedures

Brief Description of BMP: P&D reviews the submitted site plan prior to issuance of a stormwater management permit for any regulated development. Permit applicants are notified if the submitted site plan does not meet the requirements of the SMO and the permit applicant is required to revise the site plan to meet the requirements of the SMO.

Measurable Goal – P&D will continue to review site plans for all regulated development prior to issuance of a stormwater management permit.

Milestones: YEAR 2009-2014: P&D will continue to review site plans for all regulated development prior to issuance of a stormwater management permit.

Information required by this form must be provided to comply with 415 ILCS 5/39 (2000). Failure to do so may prevent this form from being processed and could result in your application being denied.

BMP No. D.5 Public Information Handling Procedures

Brief Description of BMP: The public can contact P&D to request an inspection if it appears that a site may be in violation of the SMO. Furthermore, the public can comment at bi-monthly meetings of the Stormwater Committee.

<u>Measurable Goal – P&D will track requests from the public for site inspections. P&D will also record public comments made at Stormwater Committee meetings in the minutes of the meeting.</u>

Milestones: YEAR 2009-2014: P&D will continue to track requests from the public for site inspections. P&D will also continue to record comments made at Stormwater Committee meetings in the minutes of the meeting.

BMP No. D.6 Site Inspection and Enforcement Procedures

Brief Description of BMP: P&D and the McHenry County Soil & Water Conservation District perform site inspections of all regulated development. The owner is notified if the development site is in violation of the SMO. If the owner does not take corrective action after receiving written notification of the violation, then the matter is referred to the State's Attorney's Office for legal action.

Measurable Goal – P&D and the MCSWCD will continue to perform site inspections of all regulated development and P&D will continue to enforce the requirements of the SMO.

Milestones: YEAR 2009-2014: P&D and the MCSWCD will continue to perform site inspections of all regulated development and P&D will continue to enforce the requirements of the SMO.

5. Post-Construction Runoff Control

BMP No. E.2 Regulatory Control Program

Brief Description of BMP: McHenry County has adopted the McHenry County Stormwater Management Ordinance (SMO) and the Department of Planning and Development (P&D) enforces the SMO in unincorporated areas of the County and in non-certified communities. The SMO requires water quality treatment for runoff from new impervious areas and requires stormwater detention for development that creates 20,000 square feet or more of new impervious area.

<u>Measurable Goal – P&D will enforce the SMO for all regulated development and will adopt amendments to the SMO, as may be necessary from time to time.</u>

Milestones: YEAR 2009-2014: P&D will continue to enforce the SMO for all regulated development and will adopt amendments to the SMO, as may be necessary from time to time.

BMP No. E.3 Long-Term O&M Procedures

Brief Description of BMP: The SMO requires a maintenance plan for the stormwater management system of intermediate and major developments. The maintenance plan is recorded as a covenant running with the land prior to issuance of a stormwater management permit.

<u>Measurable Goal – P&D will continue to require a maintenance plan for the stormwater managemen system of intermediate and major developments.</u>

Milestones: YEAR 2009-2014: P&D will continue to require a maintenance plan for the stormwater managemen system of intermediate and major developments.

BMP No. E.4 Pre-Construction Review of BMP Designs

Brief Description of BMP: P&D reviews the submitted site plan prior to issuance of a stormwater management permit for any regulated development. Permit applicants are notified if the submitted site plan does not meet the requirements of the SMO and the permit applicant is required to revise the site plan to meet the requirements of the SMO.

<u>Measurable Goal – P&D will continue to review site plans for all regulated development prior to issuance of a stormwater management permit.</u>

Milestones: YEAR 2009-2014: P&D will continue to review site plans for all regulated development prior to issuance of a stormwater management permit.

BMP No. E.5 Site Inspections During Construction

Brief Description of BMP: P&D performs site inspections throughout construction. The owner is notified if the development site is not in compliance with the approved site plan.

Measurable Goal – P&D will continue to perform site inspections during construction to ensure compliance with the approved site plan.

Milestones: YEAR 2009-2014: P&D will continue to perform site inspections during construction to ensure compliance with the approved site plan.

BMP No. E.6 Post-Construction Inspections

Brief Description of BMP: P&D performs site inspections at the conclusion of construction. The owner is notified if the development site is not in compliance with the approved site plan.

Measurable Goal – P&D will continue to perform site inspections at the conclusion of construction to ensure compliance with the approved site plan.

Milestones: YEAR 2009-2014: P&D will continue to perform site inspections at the conclusion construction to ensure compliance with the approved site plan.