

FREMONT TOWNSHIP

22376 W Erhart Road
Mundelein, Illinois 60060

SUPERVISOR
Peter J. Tekampe
ASSESSOR
Edwin O. Sullivan
CLERK
Barbara A. Tonkery
HIGHWAY COMMISSIONER
William D. Grinnell
TRUSTEES
Michael C. Gustafson
Christina J. McCann
Chic E. Martin
Cornelius M. Shanahan

SUPERVISOR
(847) 223-2847
ASSESSOR
(847) 223-2846
CLERK
(847) 223-2840
HIGHWAY COMMISSIONER
(847) 223-2848
FAX
(847) 223-2858
HIGHWAY FAX
(847) 223-4876

May 17, 2010

Illinois Environmental Protection Agency, DPWC
Compliance Assurance Section #19
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

Re: NPDES Phase II – Year Seven Annual Report
Fremont Township MS4

To Whom it May Concern:

On behalf of Fremont Township, please find attached a completed IEPA Annual Facility Inspection Report for Storm Water Discharges from Municipal Separate Storm Sewer Systems (MS4) with supplemental information.

If you should have any questions or require additional information, please call me at (847) 223-2848.

Sincerely,
Fremont Township



Bill Grinnell
Fremont Township Highway Commissioner

Attachments

John Charles Fremont

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

Complete each section of this report.

Reporting Period from: March, 2009 To: March, 2010 Permit Number : ILR40 _____

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Fremont Township Telephone: 847-223-2848

Mailing Address: 22376 W. Erhart Rd.

City: Mundelein State: IL Zip: 60060 County: Lake

Contact Person: Bill Grinnell, Fremont Township Highway Commissioner

(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Lake 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 type="checkbox"/> | 4. Construction Site Runoff Control | <input type="checkbox"/> |
| 2. Public Participation/Involvement | <input type="checkbox"/> | 5. Post-Construction Runoff Control | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input 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: Will D. Reid Date: 5/18/10

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: Illinois Environmental Protection Agency, DWPC
Compliance Assurance Section #19
1021 North Grand Avenue East
Post Office Box 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.

MS4 Annual Facility Inspection Report

**Illinois Environmental Protection Agency
National Pollutant Discharge Elimination System Phase II**

Permit Year 7: March 2009 to March 2010

Fremont Township

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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

Year 7	
Fremont Township	
A. Public Education and Outreach	
X	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. Public Participation/Involvement	
	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 7	
Fremont Township	
D. Construction Site Runoff Control	
	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
	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
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
	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
	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

Part B. Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed in Year 7 is described below.

1. Public Education and Outreach

Fremont Township is committed to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to storm water runoff. Fremont Township is committed to implementation of BMPs related to A.1. The status or progress for each of the measurable goals related to these BMPs is presented below.

A.1 Distributed Paper Material

The SMC develops and distributes a variety of materials related to storm water management in Lake County. A

number of pamphlets and brochures related to BMP's and storm water management have been produced.

Measurable Goals: Provide available information on BMP's to homeowners associations known to have BMP's in place.

Review and Revise draft Storm Water Management Program (SWMP) language related to this provision by the end of year 7.

Fremont Township provided informational material related to storm water, storm water management and a variety of storm water related materials on a "take away" rack at the Township Offices. In addition, the Township included information in the Township Newsletter and on the Township website regarding septic maintenance, ditch maintenance and waste collection days coordinated with SWALCO. Fremont Township adopted a Storm Water Management Program (SWMP) on May 10, 2010 that included text concerning this provision that will enhance the efficiency of the program.

2. Public Participation/Involvement

Fremont Township is committed to performing activities and services related to the Public Participation/Involvement minimum control measure under BMP numbers B.3 and B.4. The status or progress for each of the measurable goals related to these BMPs is presented below.

B.3 Stakeholder Meeting

Stakeholder meetings are conducted throughout the county for ongoing planning and project implementation efforts. When stakeholder groups (such as watershed planning committees) include the jurisdictional area of Fremont Township, the Township will publicize stakeholder meetings locally and participate by being represented at the stakeholder meetings.

Measurable Goals: Continue to publicize and participate in relevant watershed planning committees and other stakeholder groups. Review and Revise draft SWMP language related to this provision by the end of year 7.

Representatives from Fremont Township attended and participated in stakeholder meetings conducted by SMC to discuss various storm water management practices with local and County agencies.

B.4 Public Hearing

Fremont Township will conduct a public meeting or public hearing on its proposed storm water management plan.

Measurable Goals: NPDES Phase II presentation to municipal or governing board. Present summary of ongoing program implementation at least once annually at public meeting. Review and Revise draft SWMP language related to this provision by the end of year 7.

Fremont Township adopted a Storm Water Management Program (SWMP) on May 10, 2010. As part of this process, the SWMP was presented at the Annual Town Hall Meeting on April 13, 2010

3. Illicit Discharge Detection and Elimination

Fremont Township is committed to perform some activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The majority of these activities will be related to IDDE program design. The requirements of an IDDE program include the following:

- Develop a storm sewer system map that shows the locations of all outfalls and the names and locations of all water of the US that receive discharges from those outfalls.
- Prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.
- Develop and implement a plan to detect and address illicit discharges into the storm sewer system.
- Educate public employees, businesses and general public of hazards associated with illegal discharges and improper disposal of waste.
- Identify the appropriate best management practices and measurable goals.

BMPs will be implemented under BMP numbers C.1, C.2, C.5 and C.7 as described below.

C.1 Storm Sewer Map Preparation

Fremont Township will prepare an outfall map to allow for tracking of dry weather flow inspections and outfall maintenance.

Measurable Goals: Update map regularly with additional data and as improvements or new developments occur. Review and Revise draft SWMP language related to this provision by the end of year 7.

Fremont Township has continued to modify and update the storm sewer atlas as further information is gathered to provide more detail and as new development occurs. The Township has prepared an outfall map. As part of the Township's Storm Sewer and Culvert Maintenance Program, Fremont Township Highway Department prepares field notes and evaluation reports from site inspections that are used to track identified problems and dates when the storm sewers/culverts were repaired or replaced. Fremont Township adopted a Storm Water Management Program (SWMP) on May 10, 2010 that included text concerning this provision that will enhance the efficiency of the program.

C.2 Regulatory Control Program

Fremont Township will review, consider and adopt ordinance language to prohibit non-storm water discharges to the storm sewer or drainage system and to provide an enforcement mechanism for the illicit discharge detection and elimination program.

Measurable Goals: Assist the Lake County Stormwater Management Commission (LCSMC) in ensuring that all applicable developments are in compliance with the WDO. Review and Revise draft SWMP language related to this provision by the end of year 7.

Fremont Township continues to assist the Lake County Stormwater Management Commission (LCSMC) in ensuring that all applicable developments are in compliance with the WDO. Fremont Township adopted a Storm Water Management Program (SWMP) on May 10, 2010 that included text concerning this provision that will enhance the efficiency of the program.

C.5 Illicit Source Removal Procedures

Fremont Township will implement a program and train employees to remove potential and known sources of illicit discharges.

Measurable Goals: Provide a convenient location where the general public can dispose of common household pollutants. Begin to develop municipal employee IDDE training program. Consider targeting employees in relevant positions that will perform activities such as illicit discharge tracing procedures, visual dry weather storm water outfall screening and illicit source removal. Create and distribute materials educating public about elements of IDDE program, such as illicit discharge/illegal dumping resident notification, IDDE ordinance and SWALCO waste collection events. Coordinate with SWALCO to market waste collection events to the public and to distribute IDDE-related information during the event. Conduct event and document participation. Review and Revise draft SWMP language related to this provision by the end of year 7.

Fremont Township coordinated with the Solid Waste Agency of Lake County (SWALCO) and created events to collect waste before it enters the storm system. Numerous collection days and sites were provided for the disposal of household chemical waste, computers and electronics. Residents are notified of these events in the Township Newsletter website. Fremont Township adopted a Storm Water Management Program (SWMP) on May 10, 2010 that included text concerning this provision that will enhance the efficiency of the program.

C.7 Visual Dry Weather Screening

Fremont Township will conduct dry weather screening to locate illicit discharges.

Measurable Goals: Review a pilot dry weather screening. Continue to investigate citizen illicit discharge/illegal dumping reports in the field. Review and Revise draft SWMP language related to this provision by the end of year 7.

Fremont Township conducted dry weather inspections of all outfalls identified on the Outfall Map in the summer of 2009. Outfalls observed to have dry weather discharges were followed up with.

4. Construction Site Runoff Control

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum storm water management requirements for development in Lake County. The WDO, which is enforced by SMC as well as by certified communities in the county, establishes standards for construction site runoff control. The enforcement of the WDO implements BMPs under BMP numbers D.2 and D.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

D.2 Erosion and Sediment Control BMPs

Measurable Goals: Assist the LCSMC in ensuring that all applicable developments are in compliance with the WDO.

Fremont Township continues to assist the LCSMC in ensuring that all applicable developments are in compliance with the WDO.

D.6 Site Inspection/Enforcement Procedures

Measurable Goals: Assist the LCSMC in ensuring that all applicable developments are in compliance with the WDO.

Fremont Township continues to assist the LCSMC in ensuring that all applicable developments are in compliance with the WDO.

5. Post-Construction Runoff Control

As described above, the Lake County Watershed Development Ordinance (WDO) establishes the minimum storm water management requirements for development in Lake County. The WDO establishes standards for post-construction site runoff control. These standards apply to any new development or redevelopment resulting in over 0.5 acres of new impervious area. The enforcement of the WDO, in conjunction with other SMC activities and functions, implements BMPs under BMP numbers E.3, E.5, and E.6. The status or progress for each of the measurable goals related to these BMPs is presented below.

E.3 Long Term O&M Procedures

Measurable Goals: Assist the LCSMC in ensuring that all applicable developments are in compliance with the WDO.

Fremont Township continues to assist the LCSMC in ensuring that all applicable developments are in compliance with the WDO.

E.5 Site Inspections During Construction

Measurable Goals: Assist the LCSMC in ensuring that all applicable developments are in compliance with the WDO.

Fremont Township continues to assist the LCSMC in ensuring that all applicable developments are in compliance with the WDO.

E.6 Post-Construction Inspections

Measurable Goals: Assist the LCSMC in ensuring that all applicable developments are in compliance with the WDO.

Fremont Township continues to assist the LCSMC in ensuring that all applicable developments are in compliance with the WDO.

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. Fremont Township is committed to perform activities for BMP numbers F.1, F.2 and F.4. The status or progress for each of the measurable goals related to these BMPs is presented below.

F.1 Employee Training Program

Fremont Township will develop a training program for employees. This program may be based on existing training programs that the Township currently conducts. Any new training will be developed based on

guidance that is widely available. SMC, the QLP, will serve as a clearinghouse of these materials. The training program may be updated and expanded as the Township implements its storm water management.

Measurable Goal(s): Conduct annual training for employees that will implement or utilize BMPs and or attend workshops provided by SMC. Review and Revise draft SWMP language related to this provision by the end of year 7.

Fremont Township adopted a Storm Water Management Program (SWMP) on May 10, 2010 that included text concerning this provision that will enhance the efficiency of the program.

F.2 Inspection and Maintenance Program

Fremont Township will examine and subsequently alter their own actions to help ensure a reduction in the amount and type of pollution that: (1) collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas and is discharged into local waterways; and (2) results from actions such as environmentally damaging land development and flood management practices or poor maintenance of storm sewer systems.

Measurable Goals: Establish a schedule for street sweeping to reduce the amount of pollution (sand, salt, leaves, etc) that accumulates on streets, which has the potential to reach waterways as runoff. Implement street sweeping at established annual frequency and document. Establish a schedule for visual storm sewer inspection. Inspect storm sewers at established annual frequency and document. Schedule maintenance as needed. Continue to distribute educational materials on spill prevention and control procedures to all municipal facilities. Review and Revise draft SWMP language related to this provision by the end of year 7.

Fremont Township conducts inspection and routine maintenance of ditches and outlet control structures on a regular basis. Fremont Township has initiated an annual street culvert maintenance program. Services include cleaning structures of debris and sediment, as well as including an inventory of the condition of the system. Fremont Township adopted a Storm Water Management Program (SWMP) on May 10, 2010 that included text concerning this provision that will enhance the efficiency of the program.

F.4 Municipal Operations Waste Disposal

The program completed during the original NOI helps ensure a reduction in the amount and type of pollution that results from the waste disposal operations, such as separate storm sewer systems, roads and parking lots, maintenance and storage yards (including salt/sand storage and snow disposal areas), and waste transfer stations.

Measurable Goals: Review and Revise draft SWMP language related to this provision by the end of year 7.

Fremont Township adopted a Storm Water Management Program (SWMP) on May 10, 2010 that included text concerning this provision that will enhance the efficiency of the program.

Part C. Information and Data Collection Results

- Dry weather outfall inspections were conducted in the summer of 2009. All outfalls with potential illicit discharges were followed up on. Results were summarized in report form. As part of this work, new outfalls were added to the outfall inventory.
- Upstream and downstream water quality testing was performed. The following analyses were performed: Ammonia, Chloride, Fluoride, Biochemical Oxygen Demand (5 day), Phenolics, Total Phosphorus, Total Dissolved Solids, Total Kjeldahl Nitrogen, Total Suspended Solids, Metals (Copper and Potassium), pH, Temperature, Dissolved Oxygen and Conductivity.

Public Education and Outreach

Fremont Township

Entry Type	Units	Material	Method of Distribution	Date	Target Audience	Description
A.1-Distributed Paper Material	50	Handout	Available at Annual Town Hall Meeting.	4/13/2010	Residents	Cleaning Up Stormwater Runoff
A.1-Distributed Paper Material	50	Handout	Available at Annual Town Hall Meeting.	4/13/2010	Residents	Stormwater Pollution Diagram
A.1-Distributed Paper Material	50	Handout	Available at Annual Town Hall Meeting.	4/13/2010	Residents	After the Rain Handout

Public Participation/Involvement

Fremont Township

EntryType	Date	Description	Location	Attendees	NoticeMethod	Feedback	Initials
B.3-Stakeholder Meeting	10/8/2009	Lake County Municipal Advisory Committee Meeting	Lake County SMC Office			Attended by Marcy Knysz	MRK
B.3-Stakeholder Meeting	2/10/2010	Lake County Municipal Advisory Committee Meeting.	Lake County SMC Office			Attended by Marcy Knysz	MRK
B.3-Stakeholder Meeting	4/5/2010	Watershed meeting				Attended by Bill Grinnell	ABD
B.3-Stakeholder Meeting	4/14/2010	Lake County Municipal Advisory Committee Meeting	Libertyville Township Office			Attended by Marcy Knysz	ABD
B.4-Public Hearing	4/13/2010	Presentation of Storm Water Management Program at Annual Town Hall Meeting	Township Supervisor Office	25	Newspaper, website, newsletter.	Presentation given by Marcy Knysz. Attended by Township Board, Bill Grinnell and residents.	MRK
B.3-Stakeholder Meeting	5/10/2010	Adoption of SWMP	Fremont Township Hall		Board Agenda	Presented and attended by Bill Grinnell	MRK

Illicit Discharge Detection and Elimination

Fremont Township

Entry Type	Size	Type	Location Description	Date	Reason For Inspection
C.2-Regulatory Control Program		Park Ordinance No. 11-2-09	Adopted Park Ordinance	11/2/2009	
C.7-Visual Dry Weather Screening			Annual dry weather outfall inspections.	11/5/2009	Annual dry weather outfall inspections.
C.8-Pollutant Field Testing			Water Quality Testing	11/23/2009	Upstream/downstream annual water quality monitoring.
C.1-Storm Sewer Map			Completed storm sewer atlas which includes outfalls, receiving waters and detention basins.	2/2/2010	

Post-Construction Site Runoff Control

Fremont Township

Entry Type	Detention Basin ID	Date	BMP Description	Condition	Comments
E.6-Post-Construction Inspections	All	11/2/2009	Detention basin inspections.	See full report	

Pollution Prevention/Good Housekeeping

Fremont Township

Entry Type	Description	PPGHDate	Attendees	Subject	Removed By	Amount Disposed Of Or Applied
F.6-Other Municipal Operations Controls	Beet Juice Use for December	12/31/2009		Beet Juice		930 Gallons
F.6-Other Municipal Operations Controls	Brine Use for December	12/31/2009		Brine		5270 Gallons
F.6-Other Municipal Operations Controls	Salt Use for December	12/31/2009		Salt		787 Tons
F.4-Municipal Operations Waste Disposal	Other Fluids removal	1/31/2010		Trans Fluid		5 Gallons
F.4-Municipal Operations Waste Disposal	Antifreeze removal	1/31/2010		Antifreeze		15 Gallons
F.6-Other Municipal Operations Controls	Beet Juice Used	1/31/2010		Beet Juice		240 Gallons
F.6-Other Municipal Operations Controls	Brine Used	1/31/2010		Brine		960 Gallons
F.6-Other Municipal Operations Controls	Salt Used	1/31/2010		Salt		160 tons
F.6-Other Municipal Operations Controls	Brine Used	2/28/2010		Brine		2720 Gallons
F.6-Other Municipal Operations Controls	Salt Used	2/28/2010		Salt		463 Tons
F.6-Other Municipal Operations Controls	Beet Juice Used	3/28/2010		Beet Juice		680 Gallons
F.1-Employee Training Program	Employee Training	4/13/2010	Josh Monson, Brian Spencer	Mosquito altsoid pellets class		
F.2-Inspection and Maintenance Program	Roadway cleaning - Miles	4/30/2010		Maintenance	Fremont Highway Dept.	4 yards

Entry Type	Description	PPGHDate	Attendees	Subject	Removed By	Amount Disposed Of Or Applied
F.2-Inspection and Maintenance Program	Catch Basins cleaned	4/30/2010		Maintenance	Fremont Highway Dept.	1 yard

Fremont Township
Water Quality Monitoring Year 7

LocationIDNum	Watershed	Ammonia	Chloride	Flouride	BOD	Phenolics	TSS	Copper	TKN	Potassium	pH	DO	Conductivity	Temp(F)	TDS(GHA)
Fairfield Upstream Squaw	Fox River	0.34	54	< 0.5	< 4	< 0.005	5	< 0.0244	0.8	2.16	7.2	3.48	484	45.54	363
Owens Upstream Squaw	Fox River	0.28	160	< 0.5	< 4	0.008	8	< 0.0244	1.61	2.82	7.71	6.85	620	45.56	464
Airport Downstream Squaw	Fox River	0.5	73.1	< 0.5	< 4	< 0.005	12	< 0.0244	1.75	3.12	7.45	4.75	473	44.78	358
Gilmer Upstream Ccountryside Lake	Des Plaines River	0.34	58.4	< 0.5	< 4	< 0.005	< 2	< 0.0244	1.12	5.19	7.51	5.72	444	46	330
IL-62 Downstream Countryside Lake	Des Plaines River	0.28	84.6	< 0.5	< 4	< 0.005	< 2	< 0.0244	1.05	3.24	8.02	6.63	381	46.79	280
Sylvan Upstream Sylvan Lake	Des Plaines River	0.11	133	< 0.5	< 4	< 0.005	3	< 0.0244	1.05	3.54	8.18	8.99	637	46.46	470
Highland Downstream Sylvan Lake	Des Plaines River	0.34	95.6	< 0.5	< 4	< 0.005	< 2	< 0.0244	1.47	3.23	8.04	7.75	388	46.25	287

Part D. Summary of Year 8 Storm Water Activities

The following table summarizes the BMPs committed to for Year 8. Specific BMPs and measurable goals for Year 8 Storm Water Management Plan development activities are presented in the sections following the table.

Note: X indicates BMPs committed to for Year 8.

Year 8	
Fremont Township	
A. Public Education and Outreach	
X	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. Public Participation/Involvement	
	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
X	B.4 Public Hearing
	B.5 Volunteer Monitoring
	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 8	
Fremont Township	
D. Construction Site Runoff Control	
	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
	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
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
	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
	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

Fremont Township adopted a Storm Water Management Program (SWMP) on May 10, 2010.

1. Public Education and Outreach

Fremont Township is committing to implementing the Public Education and Outreach component of its Storm Water Management Plan. The Public Education and Outreach program includes the distribution of educational material to the community or conducting equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to storm water runoff. Fremont Township commits to implementation of BMPs as described below.

BMP No. A.1: Distributed Paper Material

The SMC develops and distributes a variety of materials related to storm water management in Lake County. A number of pamphlets and brochures related to BMPs and storm water management have been produced. The MS4 makes these publications, at a minimum, available.

Measurable Goal(s): Implement and track progress of BMPs as described in the SWMP.

2. Public Participation/Involvement

Fremont Township is committing to implementing the Public Participation/Involvement component of its Storm Water Management Plan. The Public Participation/Involvement program includes attending and publicizing watershed stakeholder meetings, presenting program information at a public meeting at least annually and publicizing IDDE reporting contact numbers. Fremont Township commits to implementation of BMPs as described below.

BMP No. B.3: Stakeholder Meeting

Stakeholder meetings are conducted throughout the county for ongoing planning and project implementation efforts. When stakeholder groups (such as watershed planning committees) include the jurisdictional area of Fremont Township, the Township will publicize stakeholder meetings locally and participate by being represented at the stakeholder meetings.

Measurable Goal(s): Implement and track progress of BMPs as described in the SWMP.

BMP No. B.4: Public Hearing

Fremont Township will conduct a public meeting to present each annual report and on its proposed SWMP.

Measurable Goal(s): Implement and track progress of BMPs as described in the SWMP.

3. Illicit Discharge Detection and Elimination

Fremont Township will implement program activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control. The requirements of an IDDE program include the following:

- Develop a storm sewer system map that shows the locations of all outfalls and the names and locations of all water of the US that receive discharges from those outfalls.
- Prohibit non-storm water discharges into the storm sewer system and implement appropriate enforcement procedures and actions.
- Develop and implement a plan to detect and address illicit discharges into the storm sewer system.
- Educate public employees, businesses and general public of hazards associated with illegal discharges and improper disposal of waste.
- Identify the appropriate best management practices and measurable goals.

BMP No. C.1: Storm Sewer Map Preparation

The Township is currently preparing an outfall map to allow for tracking of dry weather flow inspections and outfall maintenance.

Measurable Goal(s): Implement and track progress of BMPs as described in the SWMP.

BMP No. C.2: Regulatory Control Program

The WDO includes provisions, which prohibit illegal dumping to the storm sewer or drainage system.

*Measurable Goal(s): Implement and track progress of BMPs as described in the SWMP.
Continue to coordinate with Lake County to enforce the ordinance.*

BMP No. C.5: Illicit Source Removal Procedures

Implement procedures established during original NOI to remove directly connected illicit discharges (to the extent practicable), identified through the tracing program. Continue to advertise illicit discharge/illegal dumping hotline in local newsletter and track hotline calls. Enhance current plan based on SWMP template and implement plan enhancements.

Measurable Goal(s): Implement and track progress of BMPs as described in the SWMP.

BMP No. C.7: Visual Dry Weather Screening

Implement dry weather screening program, established during original NOI. Continue screening storm sewer structures as part of regular cleaning and maintenance.

Measurable Goal(s): Implement and track progress of BMPs as described in the SWMP.

4. Construction Site Runoff Control

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum storm water management requirements for development in Lake County. The WDO, which is enforced by SMC in the county, establishes standards for construction site runoff control. The status or progress for each of the measurable goals related to these BMPs is presented below.

D.2 Erosion and Sediment Control BMPs

Measurable Goals: Assist the LCSMC with enforcement of the WDO.

D.6 Site Inspection/Enforcement Procedures

Measurable Goals: Assist the LCSMC with enforcement of the WDO.

5. Post-Construction Runoff Control

As described above, the Lake County Watershed Development Ordinance (WDO) establishes the minimum storm water management requirements for development in Lake County. The WDO establishes standards for post-construction site runoff control. These standards apply to any new development or redevelopment resulting in over 0.5 acres of new impervious area. The status or progress for each of the measurable goals related to these BMPs is presented below.

E.3 Long Term O&M Procedures

Measurable Goals: Assist the LCSMC with enforcement of the WDO.

E.5 Site Inspections During Construction

Measurable Goals: Assist the LCSMC with enforcement of the WDO.

E.6 Post-Construction Inspections

Measurable Goals: Assist the LCSMC with enforcement of the WDO.

6. Pollution Prevention/Good Housekeeping

This portion of the program involves the implementation of the operation and maintenance program to reduce the discharge of pollutants from municipal operations and a training program for municipal employees. Fremont Township commits to implementation of BMPs as described below.

BMP No. F1: Employee Training Program

Fremont Township will develop a training program for employees. This program may be based on existing training programs that the Township currently conducts. Any new training will be developed based on guidance that is widely available. SMC, the QLP, will serve as a clearinghouse of these materials. The training program may be updated and expanded as the Township implements its storm water management.

Measurable Goal(s): Implement and track progress of BMPs as described in the SWMP.

BMP No. F.2: Inspection and Maintenance Program

The Pollution Prevention/Good Housekeeping program includes measures to reduce the amount and type of pollution that: (1) collects on streets, parking lots, open spaces, and storage and vehicle maintenance areas and is discharged into local waterways; and (2) results from actions such as environmentally damaging land development and flood management practices or poor maintenance of storm sewer systems. Clean, correct, or otherwise address identified storm and sanitary sewer trouble areas.

Measurable Goal(s): Implement and track progress of BMPs as described in the SWMP.

BMP No. F.4: Municipal Operations Waste Disposal

The program helps ensure a reduction in the amount and type of pollution that results from waste disposal operations, such as separate storm sewer systems, roads and parking lots, maintenance and storage yards (including salt/sand storage and snow disposal areas), and waste transfer stations.

Measurable Goal(s): Implement and track progress of BMPs as described in the SWMP.

Part E1. 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

Year 7	
QLP	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
X	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
	B.5 Volunteer Monitoring
X	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
	C.4 Illicit Discharge Tracing Procedures
	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 7	
QLP	
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
X	D.4 Site Plan Review Procedures
X	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
X	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

Part E2. Status of Compliance with Permit Conditions

The Lake County Stormwater Management Commission (SMC) will serve as a Qualifying Local Program for MS4s in Lake County. As part of ongoing services, SMC will perform functions related to each of the six minimum control measures. The status of BMPs and measurable goals performed in Year 7 are described below.

SMC revised the Stormwater Management Program Plan (SMPP) template, previously completed in Year 6, to address new requirements in the ILR40 General Permit effective April 1, 2009. SMC created 3 tracking forms describing the commitments in the SMPP (annual, as needed, and on going) for the use of the MS4s.

1. Public Education and Outreach

A.1 Distributed Paper Material

Measurable Goals: Distribute informational materials from “take away” rack at SMC.

Upon request, distribute materials directly to municipalities for local distribution.

Various NPDES II related information is available on SMC’s “take away” rack and on its website. Information is distributed to MS4s in PDF format for use on MS4 websites, newsletters, and takeaway racks.

A.3 Public Service Announcement

Measurable Goals: Include public service announcement highlighting community accomplishments related to the NPDES Phase II process in “Mainstream” once annually.

Post watershed identification signage with LCDOT.

The SMC coordinated with Municipal Advisory Committee members on the development of (3) video Public Service Announcements (PSAs) focusing on nonpoint source pollution BMPs for homeowners. The videos were sent to MS4s for use on websites and public cable access channels. One article was featured in “Mainstream” on local MS4 activities. Watershed planning signs are located throughout the county.

A.4 Community Event

Measurable Goals: Conduct or Co-sponsor workshop on NPDES related topic.

A NPDES Workshop was held on June 2, 2009.

A EPA Clean Water Act Webcast was held on July 1, 2009.

Two watershed tours were held; Dead and Kellogg Creek Watershed Tour (Aug. 8, 2009) and North Branch of the Chicago River Watershed Tour (Oct. 16, 2009).

Two de-icing BMP workshops were held on Sept. 29 & 30, 2009 for municipal public works operations and private snow removal firms.

BMP No. A.5: Classroom Education

Measurable Goals: Develop and compile information for stormwater educational kit for distribution upon request.

Provide materials and training on storm sewer inlet stenciling kits to teachers upon request.

No educational materials were requested.

A.6 Other Public Education

Measurable Goals: Maintain and update the NPDES Phase II portion of the SMC website with resource materials such as model ordinances, case studies, brochures and web links.

As information becomes available, it is posted and/or distributed to MS4s.

2. Public Participation/Involvement

B.1 Public Panel

*Measurable Goals: -Provide notice of public meetings on SMC website.
-Track number of meetings conducted.*

Notice of all public meetings was provided by the SMC on its website. The SMC tracked the number of Stormwater Management Committee Board (SMC) meetings, Technical Advisory Committee (TAC) meetings, and Watershed Management Board (WMB) meetings held during the 2009 fiscal year. According to records, there were 11 SMC meetings, 12 TAC meetings, 4 MAC meetings, and 1 WMB meeting conducted during this period.

B.3 Stakeholder Meeting

*Measurable Goals: Provide notice of stakeholder meetings on SMC website.
Track number of watershed planning committee meetings conducted.
Establish watershed planning committees for each new watershed planning effort.*

Notice of all stakeholder meetings was provided by SMC on their website's calendar of events. SMC tracked the number of stakeholder meetings for the various committees held during the 2009 fiscal year. The list below provides the stakeholder meeting and number of occurrences during the 2009 fiscal year:

**North Branch Planning Committee – 4
Bull's Brook/Bull Creek – 5
North Mill Creek- 1**

B.6 Program Coordination

*Measurable Goals: Track number of MAC meetings conducted during Year 7.
Prepare draft report on Qualifying Local Program activities at end of Year 7.*

Four Municipal Advisory Committee (MAC) meetings were held during Year 7 of the permit. The status of QLP activities at the end of Year 7 is provided in Part E2 of the Annual Facility Inspection Report (Annual Report) for each BMP which SMC committed to in the General Permit. The QLP measurable goals for Year 8 are in Part E4 of the Annual Report.

3. Illicit Discharge Detection and Elimination

BMP No. C.2: Regulatory Control Program

Measurable Goal: Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

4. Construction Site Runoff Control

D.1 Regulatory Control Program

Measurable Goals: Continue to enforce the countywide WDO.

Complete TRM updates, approve and publicize final TRM.

Revise WDO to be consistent with new ILR10 permit conditions.

**SMC continues to enforce the countywide WDO, TRM revision process on-going.
DECI program implemented and administered.**

D.2 Erosion and Sediment Control BMPs

Measurable Goal: Continue to enforce the countywide WDO.

Complete TRM updates, approve and publicize final TRM.

Recommend measures to address this BMP in SMPP template.

SMC continues to enforce the countywide WDO.

TRM update process is still ongoing. Sections 1, 2, 5 and 7 have been approved and are available for download off the SMC website.

D.3 Other Waste Control Program

Measurable Goal: Enforce WDO provisions regarding the control of waste and debris at construction sites.

SMC continues to enforce the countywide WDO.

BMP No. D.4: Site Plan Review Procedures

Measurable Goals: Track number of enforcement officers who have passed the exam.

Track number of communities that undergo a performance review.

Complete Ordinance Administration Chapter of TRM.

There are currently 93 EOs who have passed the EO exam.

No communities underwent a performance review during the 2009 fiscal year.

Chapter 7 of the TRM, Ordinance Administration, was completed and approved.

BMP No. D.5: Public Information Handling Procedures

Measurable Goal: Track number of complaints received and processed related to soil erosion and sediment control.

Recommend measures to address this BMP in SMPP template.

8 SE/SC complaints were received and processed.

BMP No. D.6: Site Inspection/Enforcement Procedures

Measurable Goals: Track number of site inspections conducted by SMC.

Between March 2009 and March 2010, approximately 688 site inspections were conducted.

5. Post-Construction Runoff Control

BMP No. E.2: Regulatory Control Program

Measurable Goal: Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

Approximately 179 violation notifications were resolved successfully between March 2009 and March 2010.

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

Measurable Goal: Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

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

Measurable Goal: Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

BMP No. E.5: Site Inspections During Construction

Measurable Goal: Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

BMP No. E.6: Post-Construction Inspections

Measurable Goal: Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

BMP No. E.7: Other Post-Construction Runoff Controls

Measurable Goals: Conduct annual WMB meeting.

Contribute funding to flood reduction and water quality improvement projects, including BMP retrofits, through the WMB.

The annual WMB meeting was held on December 10, 2009. There were 13 BMP construction projects approved for WMB funding.

6. Pollution Prevention/Good Housekeeping

BMP No. F.1: Employee Training Program

Measurable Goal: Provide list of available resources to MS4s.

Provide ILR-10 and ILR-40 Training Workshop.

Purchase and make available the Excal Visual Municipal Storm Water Pollution Prevention Storm Watch Everyday Best Management Practices Software.

SMC continually passes along information on training opportunities and resources to MS4's. 8 entities borrowed the Excal Software.

BMP No. F.5: Flood Management/Assess Guidelines

Measurable Goal: Track number of projects that are reviewed for multi-objective opportunities.

Part E3. Information and Data Collection Results

Year 7 activities consisted primarily of permit program planning efforts. Therefore, no information or monitoring data was collected during this period.

Part E4. Summary of Year 8 Stormwater Activities

The table shown below summarizes the BMPs committed to for Year 8. Specific BMPs and measurable goals for Year 8 program development activities are presented in the sections following the table.

Note: X indicates BMPs committed to for Year 8.

Year 8	
QLP	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
X	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
X	B.1 Public Panel
	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
	B.5 Volunteer Monitoring
X	B.6 Program Coordination
	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
	C.3 Detection/Elimination Prioritization Plan
	C.4 Illicit Discharge Tracing Procedures
	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
X	C.10 Other Illicit Discharge Controls

Year 8	
QLP	
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
X	D.4 Site Plan Review Procedures
X	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
X	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
	F.2 Inspection and Maintenance Program
	F.3 Municipal Operations Storm Water Control
	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

1. Public Education and Outreach

A.1 Distributed Paper Material

The SMC develops and distributes a variety of materials related to stormwater management in Lake County. SMC prepares a quarterly newsletter, “Mainstream” as well as an Annual Report that highlights the stormwater management activities in Lake County. SMC also prepares Project Fact Sheets that provide information on ongoing and recently completed stormwater management projects. SMC will develop or collaborate on manuals or manual updates related to stormwater management.

*Measurable Goals: Distribute informational materials from “take away” rack at SMC.
Upon request, distribute materials directly to municipalities for local distribution.*

A.3 Public Service Announcement

A public service announcement related to the NPDES Phase II program will be written and included in the Quarterly Newsletter, “Mainstream.” SMC will coordinate with Lake County Department of Transportation (LCDOT) to post watershed identification signage in watersheds where watershed planning activities occur.

*Measurable Goals: Include public service announcement highlighting community accomplishments related to the NPDES Phase II process in “Mainstream” once annually.
Post watershed identification signage with LCDOT.*

A.4 Community Event

The SMC sponsors technical training and public awareness workshops. SMC and the local APWA chapter will co-sponsor a workshop on best management practices to protect water quality.

Measurable Goals: Conduct or Co-sponsor workshop on NPDES related topic.

BMP No. A.5: Classroom Education

The SMC will contribute to the development and compilation of a stormwater educational material kit for local teachers.

*Measurable Goals: Develop and compile information for stormwater educational kit for distribution upon request.
Provide materials and training on storm sewer inlet stenciling kits to teachers upon request.*

A.6 Other Public Education

The SMC operates a website that provides many resources for citizens, developers, engineers, and municipalities. The website includes pages such as “Citizens Assistance”, “Watershed Planning,” “Projects,” “Best Management Practices,” “Publications,” “Press Releases” and “Links.” These pages provide notices of upcoming meetings, ongoing projects, and publications with download of many SMC documents, and links to other NPDES II and BMP resources.

Measurable Goals: Maintain and update the NPDES Phase II portion SMC website with resource materials such as model ordinances, case studies and brochures.

2. Public Participation/Involvement

The SMC will support Lake County MS4s by performing activities and services related to the Public Participation/Involvement minimum control measure.

B.1 Public Panel

The SMC coordinates and conducts public meetings and committee meetings that include public representation. A monthly Stormwater Management Commission meeting is open to the public and also includes the SMC Board of Commissioners, which includes six municipal representatives and six county board members.

The Technical Advisory Committee (TAC) was started in 1992 to assist in the development, revision and review of the Watershed Development Ordinance (WDO) standards and administrative procedures. TAC is made up of representatives from the development, environmental, municipal and consultant engineering fields. TAC meetings are held monthly or on an as-needed basis.

The Municipal Advisory Committee (MAC) is made up of municipal, township, drainage district, consulting and county representatives. The MAC will continue to meet as needed during the implementation of the NPDES Phase II stormwater management program.

The Watershed Management Boards (WMBs) meet yearly to make recommendations on BMP project funding. Members include chief municipal elected officials, township supervisors, drainage district chairs, and county board members from each district within the boundaries of the watersheds.

*Measurable Goals: Provide notice of public meetings on SMC website.
Track number of meetings conducted.*

B.3 Stakeholder Meeting

The SMC is actively involved in watershed planning throughout Lake County. SMC believes that the watershed planning process cannot happen and will not be successful without the input, interest and commitment of stakeholders. Stakeholders may include municipalities, townships, drainage districts, homeowner associations, developers, county agencies, lakes management groups, landowners and local, state and federal agencies.

*Measurable Goals: Provide notice of stakeholder meetings on SMC website.
Track number of watershed planning committee meetings conducted.
Establish watershed planning committees for each new watershed planning effort.*

B.6 Program Coordination

The Countywide Approach to NPDES Phase II Permitting Summary identifies the role of SMC as a Qualifying Local Program. The SMC proactively formed the Municipal Advisory Committee (MAC) to facilitate coordination of the NPDES Phase II stormwater program in Lake County. SMC also prepared a presentation that can be used by municipal representatives to inform their board members about the NPDES II program and how it will be implemented in Lake County through existing local resources and programs. The SMC will continue to coordinate the program and provide guidance for the regulated MS4s by continuing to facilitate MAC meetings through the program implementation phase. SMC will prepare a draft report on the Qualifying Local Program activities and provide guidance to MS4s in preparing their annual reports.

*Measurable Goals: Track number of MAC meetings conducted during Year 8.
Prepare draft report on Qualifying Local Program activities at end of Year 8.*

3. Illicit Discharge Detection and Elimination

MS4s are required to perform activities related to the Illicit Discharge Detection and Elimination (IDDE) minimum control.

BMP No. C.2: Regulatory Control Program

The SMC provided model ordinance examples for MS4s to consider at the local level. The model ordinance language will prohibit non-storm water discharges to the storm sewer or drainage system. Additionally, the WDO includes provisions, which prohibit illegal dumping to the storm sewer or drainage system.

Measurable Goal: Continue to enforce the countywide WDO.

BMP No. C.10: Other Illicit Discharge Controls

Measurable Goal: Host and track number of attendees at the Illicit Discharge Detection and Elimination Training Workshop

4. Construction Site Runoff Control

Lake County has adopted a Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is enforced by SMC as well as by certified communities in the county, establishes standards for construction site runoff control. The enforcement of the WDO, in conjunction with other SMC activities and functions implements BMPs, as described below.

D.1 Regulatory Control Program

The WDO has been adopted as the regulatory mechanism to require erosion and sediment controls for construction activities in Lake County. The soil erosion and sedimentation control performance standards are included in Article IV, Section B.1.j. of the WDO. At a minimum, these standards apply to any development that hydrologically disturbs 5,000 square feet or more.

SMC initiated a Designated Erosion Control Inspector (DECI) Program, which originated out of an assessment of WDO implementation during the original NOI period. The purpose of the DECI program is to facilitate positive communication between the permit issuing agency or community and the permit holder by creating a single point of contact for soil erosion/sediment control issues with the idea that it is easier to prevent soil erosion and sediment control problems than it is to correct them after they have occurred. Further, the program is intended to improve site conditions, minimize environmental impacts, and educate contractors/developers/inspectors about proper soil erosion/sediment control Best Management Practices. The DECI program was designed to closely mirror the inspection requirements of the IEPA NPDES Phase II permit (for individual construction sites).

*Measurable Goals: Continue to enforce the countywide WDO.
Administer the Designated Inspector Program as outlined by the WDO.
Revise WDO to be consistent with new ILR10 permit conditions.*

D.2 Erosion and Sediment Control BMPs

Article IV, Section B.1.j of the WDO specifies the required soil erosion and sediment control measures for any land disturbance activity. This section of the WDO includes 15 requirements for soil erosion and sediment control measures including: minimize soil disturbance; protect adjoining properties from erosion and sedimentation; complete installation of soil erosion and sediment control features prior to commencement of hydrologic disturbance; stabilize disturbed areas within 14 days of active disturbance; avoid disturbance of streams and when possible, size measures appropriate to the amount of tributary drainage area; protect functioning storm sewers from sediment; prevent sediment from being tracked onto adjoining streets; limit earthen embankments to slopes of 3H:1V; identify soil stockpile areas; and utilize statewide standards and specifications as guidance for soil erosion and sediment control.

The SMC has also prepared the Technical Reference Manual (TRM) for the WDO. The TRM is used to guide compliance with the WDO and provides detailed information on soil erosion and sedimentation control BMPs. The TRM is currently being updated and expanded to include BMP guidance chapters on Wetland Areas, Public Roadways, and Ordinance Administration and Enforcement.

*Measurable Goal: Continue to enforce the countywide WDO.
Complete TRM updates, approve and publicize final TRM.
Revise WDO to be consistent with new ILR10 permit conditions.*

D.3 Other Waste Control Program

The WDO includes provisions regarding the control of waste and debris at construction sites.

Measurable Goal: Enforce WDO provisions regarding the control of waste and debris at construction sites.

BMP No. D.4: Site Plan Review Procedures

Within each jurisdiction, one of the primary duties of the enforcement officer is to review all Watershed Development Applications and issue permits for those projects that are in compliance with the provisions of the WDO. SMC provides training for all new enforcement officers and enforcement officers must pass an exam in order to be certified. SMC periodically reviews all certified communities' Ordinance enforcement records and performance. Ongoing updates to the TRM include the addition of sections that discuss Ordinance Administration and Enforcement.

*Measurable Goals: Track number of enforcement officers who have passed the exam.
Track number of communities that undergo a performance review.
Complete Ordinance Administration Chapter of TRM.*

BMP No. D.5: Public Information Handling Procedures

The SMC provides a number of opportunities for receipt and consideration of information submitted by the public. The Citizen Inquiry Response System (CIRS) documents and tracks the resolution of reported problems and citizen complaints. SMC's website provides information on "Who to call" for various problems or concerns. An Interagency Coordination Agreement between SMC and the U.S. Army Corps of Engineers, the Lake County Soil and Water Conservation District and the National Resources Conservation Service specifies that if any of these agencies receive a report of a soil erosion and sediment control issue, they will contact SMC. SMC will then investigate the report and prescribe corrective action to the property owner or coordinate with the certified community to find a solution.

Measurable Goal: Track number of complaints received and processed related to soil erosion and sediment control.

BMP No. D.6: Site Inspection/Enforcement Procedures

Article VI of the WDO provides both the recommended and the minimum requirements for site inspection. The enforcement officers within each certified community must conduct site inspections. SMC has direct responsibility for non-certified communities, LCDOT, and the Lake County Forest Preserve. Article VII of the WDO specifies the penalties and legal action that may be imposed if the WDO is violated. If a construction site is not in compliance with the requirements of the WDO, the jurisdictional enforcement officer may issue a stop work order on all development activity on the subject property or on the portion of the activity in direct violation of the WDO. In addition, failure to comply with any of the requirements of the WDO constitutes a violation, and any person convicted thereof may be fined.

Measurable Goals: Track number of site inspections conducted by SMC.

5. Post-Construction Runoff Control

As described above, the Lake County Watershed Development Ordinance (WDO) establishes the minimum stormwater management requirements for development in Lake County. The WDO establishes standards for post-construction site runoff control. These standards apply to any new development or redevelopment that results in over 0.5 acres of new impervious area. The enforcement of the WDO, in conjunction with other SMC activities and functions, implements the BMPs, as described below.

BMP No. E.2: Regulatory Control Program

The WDO requires that all applicants adopt a stormwater management strategy for controlling post-construction runoff. The applicant must develop a stormwater management strategy that minimizes the increase in runoff volumes and rates and addresses the water quality treatment requirements of the WDO. The proposed drainage plan must use the runoff reduction hierarchy in the WDO and implement BMPs as presented in the TRM. The WDO also requires the use of buffers when adjacent to existing water bodies.

Measurable Goal: Continue to enforce the countywide WDO.

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

The WDO requires that a maintenance plan be prepared for all stormwater management system components for Major developments (as defined by the WDO). Enforcement officers may require maintenance plans to be prepared for all development sites that require a NPDES permit. The maintenance plan must include: maintenance tasks; the party responsible for performing the maintenance tasks; a description of all permanent public or private access maintenance easements and overland flow paths, and compensatory storage areas; and a description of dedicated sources of funding for the required maintenance. The TRM includes a sample maintenance plan. The Ordinance also requires that all stormwater management systems be located and described within a deed or plat restriction to ensure perpetuity and access for maintenance.

Measurable Goal: Continue to enforce the countywide WDO.

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

Within each jurisdiction, one of the primary duties of the enforcement officer is to review all Watershed Development Applications and issue permits for those projects that are in compliance with the provisions of the WDO. This includes a review of the proposed BMPs for post-construction runoff control.

Measurable Goal: Continue to enforce the countywide WDO.

BMP No. E.5: Site Inspections During Construction

Article VI of the WDO provides both the recommended and the minimum requirements for site inspection. The enforcement officers for each certified community must conduct these inspections. Enforcement officers may inspect site development at any stage in the construction process. For major developments, the enforcement officer shall conduct site inspections, at a minimum, upon completion of installation of sediment and runoff control measures and after final stabilization and landscaping, prior to removal of sediment controls.

Measurable Goal: Continue to enforce the countywide WDO.

BMP No. E.6: Post-Construction Inspections

(See description of the inspection program provided under E.5)

Measurable Goal: Continue to enforce the countywide WDO.

BMP No. E.7: Other Post-Construction Runoff Controls

Through the Watershed Management Board (WMB), SMC reviews and partially funds projects related to drainage and water quality improvements. The WMB representing the Lake Michigan, North Branch of the Chicago River, Fox and Des Plaines watersheds – meets yearly to make recommendations on project funding. Members include chief municipal elected officials, township supervisors, drainage district chairs, and county board members from each district within the boundaries of the watershed. The goal of the WMB is to maximize opportunities for local units of government and other groups to have input and influence in local stormwater management problem solving. Projects have improved quality of water in streams and swales, and have enhanced stormwater facilities.

*Measurable Goals: Conduct annual WMB meeting.
Contribute funding to water quality improvement projects, including BMP retrofits, through the WMB.*

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations and an associated training program.

BMP No. F.1: Employee Training Program

The SMC will assist MS4s in developing programs for F.1 by incorporating recommended actions into the SMPP template. Additionally, SMC will serve as technical advisors and as a clearinghouse of information related to employee training BMPs and periodically offer training programs.

*Measurable Goal: Provide list of available resources to MS4s.
Make available the Excal Visual Municipal Storm Water
Pollution Prevention Storm Watch Everyday Best Management Practices
Software.*

BMP No. F.5: Flood Management/Assess Guidelines

By adopted policy in the Lake County Stormwater Management Plan, SMC’s standard operating procedure is to assess the feasibility of implementing water quality functions in all flood control designs. SMC will evaluate all SMC-sponsored projects for multi-objective opportunities.

Measurable Goal: Track number of projects that are reviewed for multi-objective opportunities.

