



Division of Transportation

Martin G. Buehler, P.E.
Director of Transportation/County Engineer

600 West Winchester Road
Libertyville, Illinois 60048-1381
Phone (847) 377-7400
Fax (847) 362-5290

May 28, 2009

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

Dear Sir / Madam:

Please find enclosed two (2) signed copies of our MS4 Annual Facility Inspection Report for Permit Year 6: March 2008 to March 2009. This report is specific to Permit Number ILR400517 with your agency.

It is our understanding that this submittal meets the Year 6 requirements for the National Pollution Discharge Elimination System (NPDES) Phase II permit program for Lake County. Please do not hesitate to contact me if you have any questions or if you should have a need for additional information.

Very truly yours,

Al Giertych, P.E.
Assistant County Engineer
agiertych@co.lake.il.us

Lake County (MS4) Annual Facility Inspection Report

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

Permit Year 6: March 2008 to March 2009

Lake County, Illinois

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

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

Complete each section of this report.

REPORTING PERIOD FROM: MARCH, 2008	TO: MARCH 2009	ILR40 0517
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MS4 OPERATOR INFORMATION: (As it appears on the current permit)

NAME: Lake County		TELEPHONE NUMBER: 847-377-2234	
MAILING ADDRESS: 18 North County Street			
CITY: Waukegan	STATE: IL	ZIP: 60085	COUNTY: Lake
CONTACT PERSON: (Person responsible for Annual Report) Mr. Dusty Powell, Senior Assistant County Administrator			

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

Lake County, Illinois	

THE FOLLOWING ITEMS MUST BE ADDRESSED.

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

1. Public Education and Outreach <input checked="" type="checkbox"/>	4. Construction Site Runoff Control <input type="checkbox"/>
2. Public Participation/Involvement <input type="checkbox"/>	5. Post-Construction Runoff Control <input type="checkbox"/>
3. Illicit Discharge Detection & Elimination <input checked="" 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: <i>Dusty Powell</i>	DATE: 5-28-09
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Please submit inspection reports to:

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

Information required by this form must be provided to comply with 415 ILCS 5/39 (1995). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

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Part A. Changes to Best Management Practices

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

Year 6	
MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
X	A.2 Speaking Engagement
✓	A.3 Public Service Announcement
X	A.4 Community Event
	A.5 Classroom Education Material
	A.6 Other Public Education
B. Public Participation/Involvement	
X	B.1 Public Panel
X	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
X	B.4 Public Hearing
X	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
X	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
X	C.9 Public Notification
	C.10 Other Illicit Discharge Controls

Year 6	
MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
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
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
X	F.6 Other Municipal Operations Controls

A.3 Public Service Announcement

Lake County planned to air one or more public service announcements on the local cable access channel run by Lake County (LCTV). Citizen participation in preserving storm water quality was to be the focus.

Measurable Goals: Progress was made on this goal although it has not yet been completed. Lake County has organized a working group of other MS4's located in Lake County and efforts are currently underway to produce several video PSAs. Lake County Communications has committed video production resources to this effort. Carry this item over to Year 7.

C.3.1 Detection/Elimination Prioritization Plan

Measurable Goals: Lake County intended to develop a plan to detect and address illicit discharges. The plan developed by the MS4 would be dependent on several factors, including available resources, size of staff, degree and character of its illicit discharges. SMC (the QLP) has assembled various sources of information, including case studies on illicit discharge detection and elimination programs throughout the U.S.

Status: Lake County has reviewed information provided by SMC on how to develop an NPDES program. Case studies of other NPDES programs have been included in this review. Lake County has actively participated in the SMC sponsored Municipal Advisory Committee (MAC) meetings throughout Year 6. Illicit discharge detection planning and program development continues as a topic of discussion. Illicit Discharge Detection and Elimination Procedures have begun to be implemented but further work needs to be done. This effort will be continued and included in the development and implementation of a Stormwater Management and Pollution Prevention Plan for the MS4 in Year 7.

C.3.2 Detection/Elimination Prioritization Plan

Measurable Goal(s): MS4 committed to implement the plan established during the original NOI to detect and address illicit discharges. Detection methods were to include dry-weather screening, regular storm sewer maintenance, and public reporting. Plan was to be implemented in accordance with performance milestones established in SMPP. All outfalls which were observed to have dry weather flow during pre-screening (pre-screening activities completed during original NOI), would be investigated by the end of Year 8. Dry weather screening of all outfalls is to be completed on a rotating basis with each outfall being inspected at least once every 5-years. Enhance current plan based on SMPP template and implement plan enhancements.

Status: SMPP template language developed by QLP during Year 6. MS4 to implement SMPP during Year 7. Dry weather screening of all storm sewer system outlets conducted during Year 6 with no illicit discharges detected.

C.6.1 Program Evaluation and Assessment

Measurable Goals: The MS4 committed to evaluate and assess the effectiveness of IDDE procedures and processes that have been implemented.

Status: Sufficient progress has not been made on IDDE inspections to evaluate their effectiveness. This measure will be carried over into Year 7 of the program.

C.8.1 Pollutant Field Testing

Measurable Goals: The MS4 committed to implement field testing of apparent illicit discharges for pollutants.

Status: Visual dry weather storm sewer outfall screening conducted during Year 6. No illicit discharges suspected or identified for additional testing. This measure will be carried over into Year 7 of the program.

Part B. Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed in Year 6 is described below.

1. Public Education and Outreach

Lake County (MS4) committed to implementing the Public Education and Outreach component of its Stormwater Management Program. 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 stormwater runoff. Lake County committed to implementation of BMPs as described below.

A.1.1 Distributed Paper Material

Measurable Goals: Lake County committed to distribute publications received from SMC to local target groups.

Status: Made available and distributed two manuals “A Citizen's Guide to Maintaining Stormwater Best Management Practices” and “Living with Wetlands: A Handbook for Homeowners in Northeastern Illinois” to local entities such as homeowners associations and stakeholder groups.

A.1.2 Distributed Paper Material

Measurable Goals: The Lake County Department of Planning, Building and Development committed to distribute educational materials on a variety of storm water quality topics to targeted groups.

Status: The Lake County Planning, Building and Development Department made available and distributed the following publications to permit applicants, developers, homeowner groups and any other interested groups or individuals. All of the publications were formally reviewed and revised for accuracy during Year 6.

“Silt Fences & Straw Bale Barriers” – Erosion control best practices.

“Site Development Permits” – Natural resource issues related to site development.

“Wetlands” – General regulatory information as it relates to site development.

“Floodplains” – General regulatory information as it relates to site development.

“Soil Erosion & Sediment Control” – General regulatory information as it relates to site development.

“Septic Systems” – Site development requirements.

“Swales” – Site development requirements.

A.1.3 Distributed Paper Material

Measurable Goals: The Lake County Health Department committed to distribute educational materials on a variety of stormwater quality topics to targeted groups.

Status: The Lake County Health Department made available and distributed the following publications related to natural resources and water quality management during Year 6.

“Cattail Chronicles” – A quarterly newsletter published by the Lakes Management Unit of the Environmental Health Division of the Lake County Health Department dedicated to public education on water quality issues specific to Lake County.

“Wastewater News” – A biannual newsletter.

“Waterlines” – A water well newsletter targeting licensed well contractors.

“National Groundwater Awareness Week” – Since 1999 the Lake County Health Department has issues a press release and reduced water analysis fees for private well samples during this annual observance. In 2006, Lake County expanded the reduced-fee tests available and produced a pamphlet explaining common water testing parameters.

“National Recreational Water Illness Prevention Week” – New in 2006, the lake County Health Department is highlighting the value of healthy swimming and recreational water illness prevention.

“Private Water Well Testing” – Publication.
“Types of Wells in Lake County” – Publication.
“Frequently Asked Questions about Water Wells” – Publication.
“Well Chlorination Procedures” – Publication.
“Investigate Before You Invest in a Vacant Lot” – Publication.
“Investigate Before You Invest in a Home” – Publication.
“Wastewater Treatment and Dispersal by Onsite Wastewater Treatment Systems” – Publication.
 Numerous water related press releases (*i.e. Reduce Outdoor Water Use During Drought*)
“Lake Reports” – An annual report issued by the Lakes Management Unit of the Environmental Health Division of the Lake County Health Department. Report contains detailed information on the environmental health of 22 different lakes in Lake County.
“Buffer Strips – Why they should be part of your shoreline” – Best management practices for planting and maintaining shoreline property.
“Phosphorous in Lake County” – Educational brochure on limiting the use of phosphorous.

A.2 Speaking Engagement

Measurable Goals: Lake County committed to make employees available for speaking engagements to groups of interested residents on storm water related topics. This program is administered by the Lake County Communications Department (CAO).

Status: The Lake County Communications Department made available public speakers on storm water related topics through it’s “Speakers Bureau”. These services were provided upon request to interested public groups. Speakers are Lake County employees and are selected based upon there expertise on a requested topic.

A.3 Public Service Announcement

Measurable Goals: Lake County planned to air one or more public service announcements on the local cable access channel run by Lake County (LCTV). Citizen participation in preserving storm water quality was to be the focus.

Status: Progress was made on this goal although it has not yet been completed. Lake County has organized a working group of other MS4’s located in Lake County and efforts are currently underway to produce several video PSAs that can be shared by all Lake County MS4’s. Lake County Communications has committed video production resources to this effort. Carry this item over to Year 7 for completion.

A.4.1 Community Event

Measurable Goals: A soil erosion and sediment control workshop was to be sponsored by the QLP and conducted on a bi-annual basis. This workshop was to be geared toward developers, engineers, municipalities and enforcement officers. Lake County committed to participate in the bi-annual workshop.

Lake County committed to participate in local initiatives directed at improving water quality.

Status: Participated in the bi-annual soil erosion and sediment control workshop. Participated in locally sponsored efforts to improve water quality.

A.4.2 Community Event

Measurable Goals: The MS4 committed to provide a convenient location where the general public could dispose of common household pollutants. The MS4 committed to publicize these opportunities.

Status: The Solid Waste Agency of Lake County (SWALCO) held household waste collection events in various communities in Lake County during Year 6, which assisted in the collection of waste before it entered the storm sewer system.

2. Public Participation/Involvement

Lake County is committing to implementing the Public Participation/Involvement component of its Stormwater Management Program. 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. The MS4 commits to implementation of BMPs as described below.

B.1 Public Panel

Measurable Goals: Involvement on public panels. Number of meetings attended / degree of participation. Representatives from the lake County Department of Planning, Building and Development and the Lake County Division of Transportation committed to continue to serve on the SMC Technical Advisory Committee (12 meetings) and the SMC Municipal Advisory Committee (12 meetings) during Year 6.

Status: Representatives from the lake County Department of Planning, Building and Development and the Lake County Division of Transportation actively served on the SMC Technical Advisory Committee (12 meetings) and the SMC Municipal Advisory Committee (12 meetings) during Year 6.

B.3 Stakeholder Meeting

Measurable Goals: 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 the MS4, the MS4 commits to publicize the stakeholder meetings locally and participate.

Status: Participated in relevant watershed planning committees and other stakeholder groups such as:

- Chicago Wilderness Aquatic Task Force
- Barrington Area Council of Governments (BACOG) – Water Quality Committee
- NIPC Water Supply Task Force and Water Quality Task Force for the 2002 NIPC Strategic Plan for Water Resource Management
- Lake County Framework Plan and Unified Development Ordinance Committees regarding water supplies and water quality
- Fremont Township Well Committee
- Indian Creek Watershed Committee
- Fish Lake Drain Watershed Committee
- Upper Des Plaines River Watershed Committee
- Flint Creek Watershed Committee
- Squaw Creek Watershed Committee
- Sequoit Creek Watershed Committee
- North Chicago Watershed Committee
- Waukegan River Watershed Committee
- ISD (Onsite Wastewater) Steering Committee
- Management entities for individual lakes in Lake County (Homeowners Associations, Villages and/or Townships).

B.4 Public Hearing

Measurable Goals: Lake County commits to meet its own requirements for conducting a variety of public meetings or hearings on issues that are related to preserving storm water quality.

Status: The following types of public meetings or hearings were held in Year 6 and frequently included agenda items related to storm water quality:

Lake County Board – The Lake County Board meets each month to conduct the business of Lake County. These meetings are open to the public and are broadcast on local cable television access. The County Board also has a number of working committees that members serve on which meet regularly and are also open to the public.

Zoning Board of Appeals – The Zoning Board of Appeals holds public hearings to consider applications for rezoning, conditional use permits and requests for variation and administrative appeals. All meetings of the Zoning Board of Appeals are open to the public.

Regional Planning Commission – The Regional Planning Commission is an advisory group to the Lake County Board on issues related to land development. The Commission meets twice monthly. All meetings of the Commission are open to the public.

Lake County Stormwater Management Commission – Lake County Board members comprise six of twelve representatives on this commission. The Commission is responsible for implementing the Comprehensive Storm water Management Plan for Lake County which was previously adopted jointly by the Lake County Board and the Commission in 1990. The Commission meets monthly and all meetings are open to the public. The Lake County Storm water Management Commission serves as the Qualifying Local Program (QLP) for this submittal.

Technical Advisory Committee / Lake County Stormwater Management Commission – This is a working committee of representative staff from local government and private development interests in Lake County. Lake County has representatives from its Department of Planning, Building and Development and Division of Transportation that continue to serve on this committee. The Technical Advisory Committee meets once each month and all meetings are open to the public.

Municipal Advisory Committee / Lake County Stormwater Management Commission – This is a working committee of representative staff from local government interests and MS4s in Lake County. Lake County has representatives from its Department of Planning, Building and Development, Health Department and Division of Transportation that serve on this committee. The Municipal Advisory Committee meets once each month and all of the meetings are open to the public.

B.5 Volunteer Monitoring

Measurable Goals: “Lake County Adopt-A-Highway Program”. Volunteer groups “adopt” a section of County Highway and agree to remove litter twice each year. The Lake County Division of Transportation committed to administering and managing this program during Year 6.

Status: During Year 6, the Lake County Division of Transportation worked with 215 different volunteer groups that actively cleaned up litter and debris on sections of the county highway system.

3. Illicit Discharge Detection and Elimination

The MS4 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.

BMPs will be implemented under BMP numbers C.1, C.2, C.3, C.4, C.5, C.6, C.7, and C.9 as described below.

C.1 Storm Sewer Map Preparation

Measurable Goals: Lake County will prepare an outfall map to allow for tracking of dry weather flow inspections and outfall maintenance. The Lake County Division of Transportation will implement and maintain a program to inventory and locate all storm water discharge point located on the County Highway System. This data will be stored in a GIS database for analysis and mapping use. Lake County is committed to working with other MS4's in Lake County to maintain data collection standards that will foster data sharing and county-wide mapping.

Status: 100% percent of storm sewer outlets inventoried and mapped in a GIS database. Inventory and database updated during Year 6 to reflect changes and additions. Storm sewer inventory and map available to employees through workplace intranet as a tool to assist in working with stormwater related issues.

C.2 Regulatory Control Program

Measurable Goals: Lake County will review, consider, adopt and maintain 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. The Lake County Division of Transportation will impose applicable statutory authority as an additional enforcement mechanism when necessary to eliminate identified illicit discharges from the system.

Status: QLP provided SMPP template for MS4s during Year 6. Promoted methods, activities, enforcement and schedule to identify and remove illicit discharges. Watershed Development Ordinance and Unified Development Ordinance language changes adopted during Year 4 with IDDE program in place in the Unified Development Ordinance during Year 6. Continued work on development of IDDE program including initial field screening and review of storm sewer outfalls during dry weather conditions.

C.3.1 Detection/Elimination Prioritization Plan

Measurable Goals: Lake County intended to develop a plan to detect and address illicit discharges. The plan developed by the MS4 would be dependent on several factors, including available resources, size of staff, degree and character of its illicit discharges. SMC (the QLP) has assembled various sources of information, including case studies on illicit discharge detection and elimination programs throughout the U.S.

Status: Lake County has reviewed information provided by SMC on how to develop an IDDE program. Case studies of other NPDES programs have been included in this review. Lake County has actively participated in the SMC sponsored Municipal Advisory Committee (MAC) meetings throughout Year 6. Illicit discharge detection planning and program development continues as a topic of discussion. Illicit Discharge Detection and Elimination Procedures have begun to be implemented but further work needs to be done. This effort will be continued and included in the development and implementation of a Stormwater Management and Pollution Prevention Plan for the MS4 in Year 7.

C.3.2 Detection/Elimination Prioritization Plan

Measurable Goal(s): MS4 committed to implement the plan established during the original NOI to detect and address illicit discharges. Detection methods were to include dry-weather screening, regular storm sewer maintenance, and public reporting. Plan was to be implemented in accordance with performance milestones established in SMPP. All outfalls which were observed to have dry weather flow during pre-screening (pre-screening activities completed during original NOI), would be investigated by the end of Year 8. Dry weather screening of all outfalls is to be completed on a rotating basis with each outfall being inspected at least once every 5-years. Enhance current plan based on SMPP template and implement plan enhancements.

Status: SMPP template language developed by QLP during Year 6. MS4 to implement SMPP during Year 7. Dry weather screening of all storm sewer system outlets conducted during Year 6 with no illicit discharges detected. Development of this part of the program continues and will be carried over into Year 7.

C.4 Illicit Discharge Tracing Procedures

Measurable Goals: Implement procedures established during original NOI to trace found/observed illicit discharges to their origin. Efforts to locate illicit discharges will be documented. Enhance current plan based on SMPP template and implement plan enhancements.

Status: SMPP has not yet been prepared and implemented by Lake County (MS4). Lake County currently relies upon its existing regulatory and statutory authority to correct any illicit upstream discharges that would be discovered. SMPP template developed by QLP during Year 6 for use by Lake County MS4s. This effort is ongoing and will be carried over into Year 7.

C.5.1 Illicit Source Removal Procedures

Measurable Goals: Lake County committed to provide residents with responsible means for disposal of household chemical waste products during Year 6. Public response to collection efforts.

Status: The Solid Waste Agency of Lake County (SWALCO) held two (2) residential waste collection events at different locations in Lake County during Year 6. In addition, SWALCO expanded their program to offer year around disposal of household chemical waste materials at their facilities in Gurnee, Illinois for all Lake County (and Illinois) residents. These events provided a means for residents to safely and responsibly dispose of household chemical waster products. Provided a convenient and reasonable alternative to illicit dumping.

C.5.2 Illicit Source Removal Procedures

Measurable Goals: The MS4 committed to begin developing a municipal employee IDDE training program during Year 6. Target 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. Continue to advertise illicit discharge/illegal dumping hotline in local newsletter. Track hotline calls. Investigate suspicious reports in the field. (Depending upon level/type of implementation, related measurable goals could also be applied to C.7.). Create and distribute materials educating public about elements of IDDE program, such as illicit discharge/illegal dumping hotline, IDDE ordinance and SWALCO waste collection events. (Depending upon level/type of implementation, related measurable goals could also be applied to A.1 and/or A.4.) Coordinate with SWALCO to market waste collection events to the public and to distribute IDDE-related information during the event.

Status: Began to develop municipal employee IDDE training program. Budgeted for and acquired equipment for cleaning of stormwater inlets and catchbasins (Vactor). Formulated a work program for the systematic cleaning, inspection and labeling of storm sewer facilities on the County Highway system. This work program will be carried over and implemented during Year 7.

C.6 Program Evaluation and Assessment

Measurable Goals: Lake County will periodically evaluate and assess their IDDE program. Collaborate and share information about IDDE program and results through MAC. Share ideas about common illicit discharges, enforcement methods, prevention methods and public education/outreach techniques. Conduct an internal review of compliance efforts with the original NOI during Year 6.

Status: Outside consultant hired to conduct a program assessment and make recommendations for improvement during Year 6. This effort is ongoing and will carry into Year 7.

C.7 Visual Dry Weather Screening

Measurable Goals: The MS4 will conduct dry weather screening to locate illicit discharges. Perform visual dry weather storm sewer outfall screening during Year 6. Investigate citizen illicit discharge/illegal dumping hotline reports when noted in the field. Utilize targeted video pipe inspections when needed to trace illicit discharges.

Status: Visual dry weather screening of storm sewer outfalls conducted during Year 6.

C.9 Public Notification

Measurable Goals: The Lake County Division of Transportation will put in place during Year 6 informational storm water inlet markings at a select number of existing inlet locations on the County highway system as available labor and equipment resources permit. New construction will utilize grate castings that incorporate an environmental notice onto the surface of the curb box. Number and variety of installations. Quality and legibility of message provided on curb inlets.

Status: Informational markings at existing inlet locations has been incorporated into storm inlet cleaning procedures. This program has been carried over and will be implemented beginning in Year 7 (See C.5.2) and progress will be subject to the availability of labor and equipment resources.

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 implements BMPs as described below.

D.1.1 Regulatory Control Program

Measurable Goals: Institute an effective local regulatory program for controlling runoff from construction sites. The Unified Development ordinance has been adopted by Lake County as the regulatory mechanism to require erosion and sediment controls for construction activities in unincorporated Lake County. At a minimum, these standards apply to any development that hydrologically disturbs 1,000 square feet or more. Number of site development permits issued. Number of site inspections conducted.

Status: This program is in place. During the reporting period, from 3-15-08 to 3-15-09, the Lake County Department of Planning, Building and Development issued 451 Site Development Permits and conducted 4,892 field inspections.

D.1.2 Regulatory Control Program

Measurable Goals: Lake County will revise the Unified Development Ordinance to incorporate the changes in minimum requirements made necessary by the proposed revisions to the SMC Watershed Development Ordinance. This will require that lake County open a public comment period and conduct a public meeting or public hearing on the proposed revisions.

Status: Necessary ordinance subsequent revisions have been completed and were implemented.

D.2.1 Erosion and Sediment Control BMPs

Measurable Goals: Erosion and sediment control plans required for all regulated development. Quality of approved erosion and sediment control site plans and BMPs incorporated. Degree of compliance with approved site plans during construction.

Status: This program is in place. The Lake County Department of Planning, Building and Development requires storm water pollution prevention plans for all development requiring a site development permit. These plans are reviewed by staff prior to permit issuance and the start of construction activity. Construction sites are monitored by environmental inspectors employed by the Department.

D.2.2 Soil and Erosion Control Inspector's Program

Measurable Goals: Number of projects requiring a site development inspector. Degree of compliance with approved site plans during construction. Land area disturbed and length of time disturbed.

Status: During Year 4, the Unified Development Ordinance was amended to include a soil and erosion control inspector's program for projects exceeding 10 acres of hydrologic disturbance or exceeding 1 acre of hydrologic disturbance and having a Regulatory Floodplain, Isolated Waters of Lake county or Waters of the United States on-site or on adjoining property. The site development inspector acts as a private consultant hired by the applicant.

D.3.1 Other Waste Control Program

Measurable Goals: Quantity and variety of waste materials collected. Public response to collection efforts.

Status: The County of Lake is a member community in the Solid Waste Agency of Lake County (SWALCO) which sponsors regular household chemical waste collection events throughout the county. Providing convenient means to the public for drop-off and disposal has helped to keep these waste materials out of landfills and receiving streams.

D.3.2 Other Waste Control Program

Measurable Goals: Number of properties cleaned up. Quality of response to complaints received.

Status: Lake County has in place a nuisance ordinance which prohibits junk and debris and junk vehicles from collecting on properties. Helps to keep waste materials out of receiving streams.

D.3.3 Construction Project Recycling

Measurable Goals: Amount of construction waste recycled. Level of awareness by construction trades of available recycling alternatives.

Status: During Year 5, an intergovernmental agreement between Planning, Building and Development and SWALCO was maintained for Planning, Building and Development to inform and educate developers of subdivisions and commercial projects to recycle construction waste. During Year 6, a total of 364 permit applicants were informed of the program. Thresholds for the agreement are as follows:

- Any proposed subdivision containing 5 or more lots (with 5 or more new homes) and,
- Any non-residential development, including additions, consisting of new floor area in the amount of 10,000 square feet or more.
- Applicants are informed of the program during the building permit application process.

D.4 Site Plan Review Procedures

Measurable Goals: Conduct reviews of site plans for compliance with soil erosion and sediment control requirements and for incorporation of best management practices. Dedicate adequate and qualified staff to these review assignments.

Status: This program is in place. The Planning, Building and Development Department conducts detailed reviews of site plans for compliance with minimum soil erosion and sediment control measures and incorporation of best management practices as a step in the site development permit review process. Field inspections are conducted on a regular basis to ensure compliance. 451 Site Development Permits were issued and 4,892 site inspections were conducted by the Lake County Department of Planning, Building and Development during the twelve month period from 3-15-08 to 3-15-09.

D.5 Public Information Handling Procedures

Measurable Goals: Establish procedures for processing information received from the public about active or proposed construction activities. Dedicate adequate trained staff to receive and process public inquiries or complaints. Number of public inquiries processed. Public satisfaction with staff response.

Status: This program is in place. During Year 6 of the program, Lake County processed 193 complaints.

D.6.1 Site Inspection/Enforcement Procedures

Measurable Goals: Conduct construction site inspections. Number of site inspections completed. Deficiencies noted and compliance achieved. Inspect critical construction sites monthly or after rain events greater than 0.5 inches.

Status: This program is in place. During Year 6 of the program, 4,892 site inspections were conducted by the Lake County Planning, Building and Development Department.

D.6.2 Site Inspection/Enforcement Procedures

Measurable Goals: The Lake County Division of Transportation will hold pre-construction meetings with the contractor to review site requirements and the soil erosion and sediment control plan for all highway improvement projects. The SMC field inspector will be invited to participate in these meetings. Contractor compliance with plan requirements.

Status: This program is in place and well established. The Lake County Division of Transportation hosted preconstruction meetings for all of its projects during Year 6.

D.6.3 Site Inspection/Enforcement Procedures

Measurable Goals: The Lake County Department of Planning, Building and Development will hold pre-construction meetings with the contractor to review site requirements and the soil erosion and sediment control plan for all new subdivision developments. The site development field inspector will be invited and will participate in these meetings. Contractor compliance with plan requirements.

Status: This program is in place. During Year 6 of the program, 30 pre-construction meetings were held.

D.7 Other Construction Site Run-off Controls

Measurable Goals: The Lake County Division of Transportation initiated a program to hire an engineering consultant to provide independent performance reviews and inspections of construction sites during the construction season. The consultant reviewed site compliance with the SWPPP, prepared inspection reports and records associated with NPDES Phase II requirements and regularly evaluated the overall performance of the site BMP's while noting any deficiencies in the SWPPP for correction or modification. LCDOT staff to continue to provide post-storm event inspections and associated record keeping.

Status: This program is in place. SWPPP requirements reviewed at each project pre-construction conference. There were a total of 219 construction site inspection reports filed during CFY2008 with 36 reports having deficiencies to be corrected identified. 100% of deficiencies identified were corrected. Program education this past year consisted of three resident engineers attending a soil erosion sediment control seminar put on by the DeKalb County SWCD (3/09), two different resident engineers attending LCSMC sponsored DECI workshop (3/08) and three resident engineers attending a Ero-TEX Ground Control Conference (3/08). SWPPP requirements reviewed at each project preconstruction conference.

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 resulting in over 0.5 acres of new impervious area. The enforcement of the WDO implements BMPs as described below.

E.2 Regulatory Control Program

Measurable Goals: The adopted Watershed Development Ordinance minimum standards require that all applicants adopt a storm water management strategy for controlling post-construction runoff. The applicant must develop a storm water management strategy that minimizes the increase in runoff volumes and rates and addresses the water quality treatment requirements of the ordinance. The proposed drainage plan must use the runoff reduction hierarchy in the ordinance and implement BMPs as required. The ordinance also requires the use of buffers when adjacent to existing water bodies. Continue to enforce the existing ordinance. All disturbed areas must be stabilized before final approval of a project. Implementation of necessary BMP's.

Status: This program is in place. All disturbed areas must be stabilized before final approval of a project.

E.3 Long Term O&M Procedures

Measurable Goals: The adopted Watershed Development Ordinance minimum standards require that a maintenance plan be prepared for all storm water management system components for Major Developments (as defined in the ordinance). The maintenance plan must include: maintenance tasks, the party responsible, 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. Continue to enforce the existing ordinance.

Status: This program is in place.

E.4 Pre-Construction Review of BMP Designs

Measurable Goals: A plan review is conducted for all soil erosion and sediment control plans submitted. This includes a review of the proposed BMPs for post-construction runoff control. Continue to enforce the existing ordinance.

Status: This program is in place. During Year 6 of the program, 1,218 plan reviews were conducted.

E.5 Site Inspections During Construction

Measurable Goals: The adopted Watershed Development Ordinance provides both the recommended and the minimum requirements for site inspections. Enforcement officers may inspect a 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. Continue to enforce the existing ordinance.

Status: This program is in place. During Year 6 of the program, 4,892 site inspections were performed.

E.6 Post-Construction Inspections

Measurable Goals: The enforcement officer shall conduct post-construction inspections prior to the release of performance guarantees, maintenance guarantees or certificates of occupancy as provided for in the ordinance. Continue to enforce the existing ordinance.

Status: This program is in place.

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. Lake County commits to implementation of BMPs as described below.

F.1 Employee Training Program

Measurable Goals: Lake County will develop a training program for employees. Any new training materials will be developed based on guidance that is widely available. Lake County will also evaluate and incorporate existing employee training programs into this program. The training program will be updated and expanded as Lake County continues to implement its storm water management programs. Develop employee training program specific to County operations and facilities. Conduct annual training for employees that will implement or utilize BMPs. Design and conduct employee spill control training in Year 6.

Status: Lake County Division of Transportation Resident Engineers and Design Engineers trained and certified as SMC Designated Erosion Control Inspectors (DECI) during Year 5. Lake County DOT Facilities Spill Response & Control Plan completed In Year 6. Training materials evaluated and discussed during SMC Municipal Advisory Committee meeting in Year 6 with a shared resource training plan developed. Carry this item over into Year 7 for implementation of training.

F.2.1 Inspection and Maintenance Program

Measurable Goals: The MS4 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. 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. Develop and implement an operations and maintenance program for detention and water quality ponds to ensure that they are operating to maximize water quality benefits and detention storage. Include formal inspection schedule, inspection checklist and record-keeping procedures. (Depending upon level/type of implementation, related measurable goals could also be applied to F.4.) Continue to distribute educational materials on spill prevention and control procedures to targeted County employees. (Depending upon level/type of implementation, related measurable goals could also be applied to F.4.)

Status: This program implementation is ongoing and will be carried over into Year 7. Street sweeping program in place. The 175 lane miles of County Highway that were targeted for sweeping during CFY2007 were swept 4.5 times during that period. Storm water detention and water quality basins inspected and maintained on a semi-annual program by maintenance and contract personnel.

F.2.2 Inspection and Maintenance Program

Measurable Goals: Develop and implement a spill prevention and control plan for Lake County-owned facilities. Plan development, implementation and future updates. Final adoption and implementation is anticipated in Year 6.

Status: Spill prevention and control plan developed and implemented during Year 6. Employee training efforts are continuing to develop and will be carried over into Year 7.

F.3.1 Municipal Operations Storm Water Control

Measurable Goals: Storm sewer system and catch basin inspection and cleaning program. Annually inspect 5% of system, and clean as needed.

Status: This program is established and in place in conjunction with routine drainage system maintenance activities. Program to be expanded in Year 7.

F.3.2 Detention Basin Maintenance Program

Measurable Goals: The Lake County Division of Transportation inventoried County-owned detention basins in 2003-2004. These inventories include basin features such as outlet structures, emergency overflow spillways and basin type. GPS coordinates were collected for incorporation of these inventories into GIS database. Semi-annually inspect and perform necessary maintenance on all County-owned storm water detention basins. Basins to be inspected by maintenance personnel and necessary maintenance work items completed semi-annually. Prescriptive burns to be completed on two basins that incorporate prairie landscapes as necessary.

Status: Detention Basin inventory updated in Year 6. Basins inspected by maintenance personnel and necessary maintenance work items completed in Year 6.

F.4 Municipal Operations Waste Disposal

Measurable Goals: Municipal Operations Waste Disposal. Incorporate waste disposal procedures into the facilities programs described above in F.2.1 and F.2.2.

Status: This program is in place.

F.6 Other Municipal Operations Controls

Measurable Goals: Highway sweeping. Lane miles swept and frequency of sweeping during Year 6.

Status: Street sweeping program in place. The 175 lane miles of County Highway that were targeted for sweeping during CFY2007 were swept 4.5 times during that period.

Part C. Information and Data Collection Results

Year 6 activities related to illicit discharge detection and elimination consisted primarily of program planning efforts. Therefore, no information or data was collected during this period.

Part D. Summary of Year 7 Stormwater Activities

The following table summarizes the BMPs committed to for Year 7. Specific BMPs and measurable goals for Year 7 Stormwater Management Program development activities are presented in the sections following the table.

Note: X indicates BMPs committed to for Year 7.

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

Year 7	
MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
X	D.3 Other Waste Control Program
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
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
X	F.6 Other Municipal Operations Controls

1. Public Education and Outreach

Lake County (MS4) is committing to implementing the Public Education and Outreach component of its Stormwater Management Program. 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 stormwater runoff. Lake County commits to implementation of BMPs as described below.

A.1.1 Distributed Paper Material

Lake County will distribute publications received from SMC to local target groups.

Measurable Goals: Make available and distribute two manuals “A Citizen's Guide to Maintaining Stormwater Best Management Practices” and “Living with Wetlands: A Handbook for Homeowners in Northeastern Illinois” to local entities such as homeowners associations and stakeholder groups.

A.1.2 Distributed Paper Material

The Lake County Department of Planning, Building and Development will distribute educational materials on a variety of storm water quality topics to targeted groups.

Measurable Goal(s), including frequencies: The Lake County Planning, Building and Development Department will make available and distribute the following publications to permit applicants, developers, homeowner groups and any other interested groups or individuals.

“Silt Fences & Straw Bale Barriers” – Erosion control best practices.

“Site Development Permits” – Natural resource issues related to site development.

“Wetlands” – General regulatory information as it relates to site development.

“Floodplains” – General regulatory information as it relates to site development.

“Soil Erosion & Sediment Control” – General regulatory information as it relates to site development.

“Septic Systems” – Site development requirements.

“Swales” – Site development requirements.

A.1.3 Distributed Paper Material

The Lake County Health Department will distribute educational materials on a variety of stormwater quality topics to targeted groups.

Measurable Goal(s), including frequencies: The Lake County Health Department will make available and distribute the following publications related to natural resources and water quality management.

“Cattail Chronicles” – A quarterly newsletter published by the Lakes Management Unit of the Environmental Health Division of the Lake County Health Department dedicated to public education on water quality issues specific to Lake County.

“Wastewater News” – A biannual newsletter.

“Waterlines” – A water well newsletter targeting licensed well contractors.

“National Groundwater Awareness Week” – Since 1999 the Lake County Health Department has issues a press release and reduced water analysis fees for private well samples during this annual observance. In 2006, Lake County expanded the reduced-fee tests available and produced a pamphlet explaining common water testing parameters.

“National Recreational Water Illness Prevention Week” – New in 2006, the lake County Health Department is highlighting the value of healthy swimming and recreational water illness prevention.

“Private Water Well Testing” – Publication.

“Types of Wells in Lake County” – Publication.

“Frequently Asked Questions about Water Wells” – Publication.

“Well Chlorination Procedures” – Publication.

“Investigate Before You Invest in a Vacant Lot” – Publication.

“Investigate Before You Invest in a Home” – Publication.

“Wastewater Treatment and Dispersal by Onsite Wastewater Treatment Systems” – Publication.

Numerous water related press releases (*i.e. Reduce Outdoor Water Use During Drought*)

“Lake Reports” – An annual report issued by the Lakes Management Unit of the Environmental Health Division of the Lake County Health Department. Report contains detailed information on the environmental health of 22 different lakes in Lake County.

“Buffer Strips – Why they should be part of your shoreline” – Best management practices for planting and maintaining shoreline property.

“Phosphorous in Lake County” – Educational brochure on limiting the use of phosphorous.

A.2 Speaking Engagement

Lake County will make employees available for speaking engagements to groups of interested residents on storm water related topics. This program will be administered by the Communications Department of the Lake County Administrator’s Office.

Measurable Goal(s), including frequencies: The Lake County Communications Department will arrange to provide public speakers on storm water related topics through it’s “Speakers Bureau”. These services are provided upon request from interested public groups. Speakers are Lake County employees and are selected based upon their expertise on a requested topic.

A.3 Public Service Announcement

Lake County will produce and air two or more public service announcements on the local cable access channel run by Lake County (LCTV). These PSAs will also be made available for use by other MS4s in Lake County. Citizen participation in preserving storm water quality will be the focus.

Measurable Goals: Number and quality of PSA’s produced and broadcast. Public response and feedback to PSA’s.

A.4.1 Community Event

A soil erosion and sediment control workshop will be sponsored by the QLP and conducted on a bi-annual basis. This workshop is geared toward developers, engineers, municipalities and enforcement officers. Lake County will participate in the bi-annual workshop. Participate in local initiatives directed at improving water quality.

Measurable Goal(s): Participate in the bi-annual soil erosion and sediment control workshops. Participation in locally sponsored efforts to improve water quality.

A.4.2 Community Event

The MS4 provides a convenient location where the general public can dispose of common household pollutants. Solid Waste Agency of Lake County (SWALCO) holds a minimum of two (2) household waste collection events in different communities in Lake County, which assist in collecting waste before it enters the storm sewer system. In addition, SWALCO has expanded their program to offer year around disposal of household chemical waste materials at their facilities in Gurnee, Illinois for all Lake County (and Illinois) residents. The MS4 publicizes these SWALCO events.

Measurable Goal(s): This is an established program. Continue to publicize and hold household waste collection events in Lake County. Number of participants in collection events. Amount of materials collected.

2. Public Participation/Involvement

Lake County is committing to implementing the Public Participation/Involvement component of its Stormwater Management Program. 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. The MS4 commits to implementation of BMPs as described below.

B.1 Public Panel

Measurable Goals: Involvement on public panels. Number of meetings attended / degree of participation.

Representatives from the lake County Department of Planning, Building and Development and the Lake County Division of Transportation will continue to serve on the SMC Technical Advisory Committee (12 meetings) and the SMC Municipal Advisory Committee (12 meetings) during Year 7.

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 the MS4, the MS4 will publicize stakeholder meetings locally and participate by being represented at the stakeholder meetings.

Measurable Goals: Publicize and participate in relevant watershed planning committees and other stakeholder groups such as:

- Chicago Wilderness Aquatic Task Force
- Barrington Area Council of Governments (BACOG) – Water Quality Committee
- NIPC Water Supply Task Force and Water Quality Task Force for the 2002 NIPC Strategic Plan for Water Resource Management
- Lake County Framework Plan and Unified Development Ordinance Committees regarding water supplies and water quality
- Fremont Township Well Committee
- Indian Creek Watershed Committee
- Fish Lake Drain Watershed Committee
- Upper Des Plaines River Watershed Committee
- Flint Creek Watershed Committee
- Squaw Creek Watershed Committee
- Sequoit Creek Watershed Committee
- North Chicago Watershed Committee
- Waukegan River Watershed Committee
- ISD (Onsite Wastewater) Steering Committee
- Management entities for individual lakes in Lake County (Homeowners Associations, Villages and/or Townships).

B.4 Public Hearing

Lake County will meet its own requirements for conducting a variety of public meetings or hearings on issues that are related to preserving storm water quality.

Measurable Goal(s), including frequencies: The following types of public meetings or hearings will be held in Year 7 and will often include agenda items that are related to storm water quality:

Lake County Board – The Lake County Board meets each month to conduct the business of Lake County. These meetings are open to the public and are broadcast on local cable television access. The County Board also has a number of working committees that members serve on which meet regularly and are also open to the public.

Zoning Board of Appeals – The Zoning Board of Appeals holds public hearings to consider applications for rezoning, conditional use permits and requests for variation and administrative appeals. All meetings of the Zoning Board of Appeals are open to the public.

Regional Planning Commission – The Regional Planning Commission is an advisory group to the Lake County Board on issues related to land development. The Commission meets twice monthly. All meetings of the Commission are open to the public.

Lake County Stormwater Management Commission – Lake County Board members comprise six of twelve representatives on this commission. The Commission has the responsibility for implementing the Comprehensive Storm water Management Plan for Lake County which was previously adopted jointly by the Lake County Board and the Commission in 1990. The Commission meets monthly and all meetings are open to the public. The Lake County Storm water Management Commission serves as the Qualifying Local Program (QLP) for this submittal.

Technical Advisory Committee / Lake County Stormwater Management Commission – This is a working committee of representative staff from local government and private development interests in Lake County. Lake County has representatives from its Department of Planning, Building and Development and Division of Transportation that serve on this committee. The Technical Advisory Committee meets once each month and all meetings are open to the public.

Municipal Advisory Committee / Lake County Stormwater Management Commission – This is a working committee of representative staff from local government interests in Lake County. Lake County has representatives from its Department of Planning, Building and Development, Health Department and Division of Transportation that serve on this committee. The Municipal Advisory Committee meets once each month and all meetings are open to the public.

B.5 Volunteer Monitoring

“Lake County Adopt-A-Highway Program”. Volunteer groups “adopt” a section of County Highway and agree to remove litter twice each year. The Lake County Division of Transportation commits to administering and managing this program during Year 7.

Measurable Goal(s), including frequencies: Volunteer groups “adopt” a section of County Highway and agree to remove litter twice each year. Program is managed by the Lake County Division of Transportation. Number of volunteer groups in the program. Amount of trash and debris picked up on sponsored highway segments.

3. Illicit Discharge Detection and Elimination

The MS4 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.

BMPs will be implemented under BMP numbers C.1, C.2, C.3, C.4, C.5, C.6, C.7, and C.9 as described below.

C.1 Storm Sewer Map Preparation

Lake County will prepare an outfall map to allow for tracking of dry weather flow inspections and outfall maintenance. The Lake County Division of Transportation will implement and maintain a program to inventory and locate all storm water discharge points located on the County Highway System. This data will be stored in a GIS database for analysis and mapping use. Lake County is committed to working with other MS4's in Lake County to maintain data collection standards that will foster data sharing and county-wide mapping.

Measurable Goals: Percentage of storm sewer outlets mapped. Quality and compatibility of data with other MS4's in Lake County. Verify outfalls in the field and give each outfall a unique identifier to be used to document inspections. Update map regularly as improvements or new developments occur.

C.2 Regulatory Control Program

Lake County will review, consider, adopt and maintain 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. The Lake County Division of Transportation will impose applicable statutory authority as an additional enforcement mechanism when necessary to eliminate identified illicit discharges from the system.

Measurable Goals: Continue development of IDDE program. Promote methods, activities, enforcement and schedule to identify and remove illicit discharges. Effectiveness of enforcement efforts. Identification and elimination of illicit discharges.

C.3.1 Detection/Elimination Prioritization Plan

USEPA requires MS4s to develop a plan to detect and address illicit discharges. The plan developed by the MS4 will be dependent on several factors, including available resources, size of staff, degree and character of its illicit discharges. SMC has assembled various sources of information, including case studies on illicit discharge detection and elimination programs throughout the U.S.

Measurable Goals: Participate in the SMC sponsored Municipal Advisory Committee (MAC) meetings throughout Year 5. Illicit discharge detection planning and program development continues as a topic of discussion. Finalize and implement Illicit Discharge Detection and Elimination Plan.

C.3.2 Detection/Elimination Prioritization Plan

Implement plan established during original NOI to detect and address illicit discharges. Detection methods include dry-weather screening, regular storm sewer maintenance, and public reporting. Plan will be implemented in accordance with performance milestones established in SMPP. All outfalls observed to have dry weather flow during pre-screening (pre-screening activities completed during original NOI), to be investigated by the end of Year 8. Complete dry weather screening of all outfalls on a rotating basis with each outfall being inspected at least once every 5-years. Enhance current plan based on SMPP template and implement plan enhancements.

Measurable Goal(s): Prepare and implement SMPP. Review, revise and accept SMPP template language related to this provision by end of Year 7.

C.4 Illicit Discharge Tracing Procedures

Implement procedures established during original NOI to trace found/observed illicit discharges to their origin. Efforts to locate illicit discharges will be documented. Enhance current plan based on SMPP template and implement plan enhancements.

Measurable Goal(s): Prepare and implement SMPP. Review, revise and accept SMPP template language related to this provision by end of Year 7.

C.5.1 Illicit Source Removal Procedures

Solid Waste Agency of Lake County (SWALCO) holds household waste collection events in various communities throughout Lake County. These events are used to collect waste before it enters the MS4's storm system through illicit dumping and also to publicize the MS4's illicit discharge detection and elimination plan.

Measurable Goal(s), including frequencies: Quantity and variety of waste materials collected. Public response to collection efforts.

C.5.2 Illicit Source Removal Procedures

The MS4 will implement a program and train employees to remove potential and known sources of illicit discharges.

Measurable Goals: 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. Continue to advertise illicit discharge/illegal dumping hotline in local newsletter. Track hotline calls. Investigate suspicious reports in the field. (Depending upon level/type of implementation, related measurable goals could also be applied to C.7.). Create and distribute materials educating public about elements of IDDE program, such as illicit discharge/illegal dumping hotline, IDDE ordinance and SWALCO waste collection events. (Depending upon level/type of implementation, related measurable goals could also be applied to A.1 and/or A.4.) Contact SWALCO for relevant waste collection events in your community. 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.

C.6 Program Evaluation and Assessment

Lake County will periodically evaluate and assess their IDDE program.

Measurable Goals: Collaborate and share information about IDDE program and results through MAC. Share ideas about common illicit discharges, enforcement methods, prevention methods and public education/outreach techniques. Complete internal review of compliance efforts with the original NOI and implement recommendations for improvement during Year 7.

C.7 Visual Dry Weather Screening

The MS4 will conduct dry weather screening to locate illicit discharges.

Measurable Goals: Perform visual dry weather storm sewer outfall screening during Year 7. Investigate citizen illicit discharge/illegal dumping hotline reports when noted in the field. Utilize targeted video pipe inspections when needed to trace illicit discharges.

C.9 Public Notification

The Lake County Division of Transportation will put in place during Year 7 informational storm water inlet markings at a select number of existing inlet locations on the County highway system as available labor and equipment resources permit. New construction will utilize grate castings that incorporate an environmental notice onto the surface of the curb box.

Measurable Goals: Number and variety of installations. Quality and legibility of message provided on curb inlets.

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 implements BMPs as described below.

D.1.1 Regulatory Control Program

Institute an effective local regulatory program for controlling runoff from construction sites. The Unified Development ordinance has been adopted by Lake County as the regulatory mechanism to require erosion and sediment controls for construction activities in unincorporated Lake County. At a minimum, these standards apply to any development that hydrologically disturbs 1,000 square feet or more.

Measurable Goal(s), including frequencies: Local ordinance in place. Staff dedicated to enforcement of regulatory provisions. Number of site development permits issued. Number of site inspections conducted.

D.1.2 Regulatory Control Program

Lake County will revise the Unified Development Ordinance to incorporate the changes in minimum requirements made necessary by the proposed revisions to the SMC Watershed Development Ordinance. This will require that Lake County open a public comment period and conduct a public meeting or public hearing on the proposed revisions.

Measurable Goals: Necessary ordinance revisions have been completed and implemented in Year 3 - degree of compliance with requirements of updated ordinance requirements.

D.2.1 Erosion and Sediment Control BMPs

Erosion and sediment control plans required for all regulated development.

Measurable Goal(s), including frequencies: Quality of approved erosion and sediment control site plans and BMPs incorporated. Degree of compliance with approved site plans during construction. Land area disturbed and length of time disturbed.

D.2.2 Soil and Erosion Control Inspector's Program

During Year 4, the Unified Development Ordinance was amended to include a soil and erosion control inspector's program for projects exceeding 10 acres of hydrologic disturbance or exceeding 1 acre of hydrologic disturbance and has a Regulatory Floodplain, Isolated Waters of Lake County or Waters of the United States on-site or on adjoining property. The site development inspector acts as a private consultant hired by the applicant.

Measurable Goal(s), including frequencies: Number of projects requiring a site development inspector. Degree of compliance with approved site plans during construction. Land area disturbed and length of time disturbed.

D.3.1 Other Waste Control Program

The County of Lake is a member community in the Solid Waste Agency of Lake County (SWALCO) which sponsors regular household chemical waste collection events throughout the county. Providing convenient means to the public for drop-off and disposal helps to keep these waste materials out of landfills and receiving streams.

Measurable Goal(s), including frequencies: Quantity and variety of waste materials collected. Public response to collection efforts.

D.3.2 Other Waste Control Program

Lake County has in place a nuisance ordinance which prohibits junk and debris and junk vehicles from collecting on properties. Enforcement actions help to keep waste materials out of receiving streams.

Measurable Goal(s), including frequencies: Number of violation notices posted. Number of properties cleaned up. Quality of response to complaints received.

D.3.3 Construction Project Recycling

During Year 5, an intergovernmental agreement between Planning, Building and Development and SWALCO was maintained for Planning, Building and Development to inform the developers of subdivisions and commercial projects to recycle construction waste. Thresholds for the agreement are as follows:

- Any proposed subdivision containing 5 or more lots (with 5 or more new homes) and,

- Any non-residential development, including additions, consisting of new floor area in the amount of 10,000 square feet or more.

Measurable Goal(s), including frequencies: Number of applicants informed of the program during the building permit application process.

D.4 Site Plan Review Procedures

Site plan review process

Measurable Goal(s), including frequencies: Conduct reviews of site plans for compliance with soil erosion and sediment control requirements and for incorporation of best management practices. Dedicate adequate and qualified staff to these review assignments.

D.5 Public Information Handling Procedures

Establish procedures for processing information received from the public about active or proposed construction activities. Dedicate adequate trained staff to receive and process public inquiries or complaints.

Measurable Goal(s), including frequencies: Number of public inquiries processed. Public satisfaction with staff response.

D.6.1 Site Inspection/Enforcement Procedures

Conduct construction site inspections.

Measurable Goal(s), including frequencies: Number of site inspections completed. Deficiencies noted and compliance achieved. Inspect critical construction sites monthly or after rain events greater than 0.5 inches.

D.6.2 Site Inspection/Enforcement Procedures

The Lake County Division of Transportation will hold pre-construction meetings with the contractor to review site requirements and the soil erosion and sediment control plan for all highway improvement projects. The SMC field inspector will be invited to participate in these meetings.

Measurable Goal(s), including frequencies: Contractor compliance with plan requirements.

D.6.3 Site Inspection/Enforcement Procedures

The Lake County Department of Planning, Building and Development will hold pre-construction meetings with the contractor to review site requirements and the soil erosion and sediment control plan for all new subdivision developments. The site development field inspector will be invited and will participate in these meetings.

Measurable Goal(s): Contractor compliance with plan requirements.

D.7 Other Construction Site Run-off Controls

The Lake County Division of Transportation initiated a program to hire an engineering consultant to provide independent performance reviews and inspections of construction sites during the construction season. The consultant reviewed site compliance with the SWPPP, prepared inspection reports and records associated with NPDES Phase II requirements and regularly evaluated the overall performance of the site BMP's while noting any deficiencies in the SWPPP for correction or modification. LCDOT staff to continue to provide post-storm event inspections and associated record keeping.

Measurable Goals: Number of site reviews conducted during Year 7, individual and collective jobsite compliance with NPDES Phase II performance measures, number of SWPPP deficiencies noted and corrected.

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

resulting in over 0.5 acres of new impervious area. The enforcement of the WDO implements BMPs as described below.

E.2 Regulatory Control Program

The adopted Watershed Development Ordinance minimum standards require that all applicants adopt a storm water management strategy for controlling post-construction runoff. The applicant must develop a storm water management strategy that minimizes the increase in runoff volumes and rates and addresses the water quality treatment requirements of the ordinance. The proposed drainage plan must use the runoff reduction hierarchy in the ordinance and implement BMPs as required. The ordinance also requires the use of buffers when adjacent to existing water bodies.

Measurable Goal(s), including frequencies: Continue to enforce the existing ordinance. All disturbed areas must be stabilized before final approval of a project. Implementation of necessary BMP's.

E.3 Long Term O&M Procedures

The adopted Watershed Development Ordinance minimum standards require that a maintenance plan be prepared for all storm water management system components for Major Developments (as defined in the ordinance). The maintenance plan must include: maintenance tasks, the party responsible, 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.

Measurable Goal(s): This is an established program. Continue to enforce the existing ordinance.

E.4 Pre-Construction Review of BMP Designs

A plan review is conducted for all soil erosion and sediment control plans submitted. This includes a review of the proposed BMPs for post-construction runoff control.

Measurable Goal(s): This is an established program. Continue to enforce the existing ordinance.

E.5 Site Inspections During Construction

The adopted Watershed Development Ordinance provides both the recommended and the minimum requirements for site inspections. Enforcement officers may inspect a 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(s): Continue to enforce the existing ordinance.

E.6 Post-Construction Inspections

The enforcement officer shall conduct post-construction inspections prior to the release of performance guarantees, maintenance guarantees or certificates of occupancy as provided for in the ordinance.

Measurable Goal(s): Continue to enforce the existing ordinance.

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. Lake County commits to implementation of BMPs as described below.

F.1 Employee Training Program

Lake County will develop a training program for employees. Any new training materials will be developed based on guidance that is widely available. Lake County will also evaluate and incorporate existing employee training programs into this program. The training program will be updated and expanded as Lake County continues to implement its storm water management programs.

Measurable Goal(s), including frequencies: Develop employee training program specific to County operations and facilities. Conduct annual training for employees that will implement or utilize BMPs. Design and conduct employee spill control training in Year 7.

F.2.1 Inspection and Maintenance Program

The MS4 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. Develop and implement an operations and maintenance program for detention and water quality ponds to ensure that they are operating to maximize water quality benefits and detention storage. Include formal inspection schedule, inspection checklist and record-keeping procedures. (Depending upon level/type of implementation, related measurable goals could also be applied to F.4.) Continue to distribute educational materials on spill prevention and control procedures to targeted County employees. (Depending upon level/type of implementation, related measurable goals could also be applied to F.4.)

F.2.2 Inspection and Maintenance Program

Develop and implement a spill prevention and control plan for Lake County-owned facilities.

Measurable Goal(s): Plan is in place at the Division of Transportation. Continue development and implementation for other county facilities during Year 7. Update and train employees on the operational considerations of the plan elements during Year 7.

F.3.1 Municipal Operations Storm Water Control

Storm sewer system and catch basin inspection and cleaning program. Annually inspect 5% of system, and clean as needed. Lake County to expand program coverage in Year 7.

Measurable Goal(s): Percentage of the system inspected and cleaned.

F.3.2 Detention Basin Maintenance Program

The Lake County Division of Transportation inventoried County-owned detention basins in 2003-2004. These inventories include basin features such as outlet structures, emergency overflow spillways and basin type. GPS coordinates were collected for incorporation of these inventories into GIS database.

Basins inspected by maintenance personnel and necessary maintenance work items completed semi-annually. Prescriptive burns completed on two basins that incorporate prairie landscapes.

Measurable Goals: Semi-annually inspect and perform necessary maintenance on all County-owned storm water detention basins. Keep GIS Detention Basin inventory updated. Condition and functionality of detention basins.

F.4 Municipal Operations Waste Disposal

Municipal Operations Waste Disposal - Incorporate waste disposal procedures into the facilities programs described above in F.2.1 and F.2.2.

Measurable Goal(s): Percentage of waste disposed of properly.

F.6 Other Municipal Operations Controls

Highway sweeping

Measurable Goal(s), including frequencies: Lane miles swept and frequency of sweeping during Year 7.

Part E. Notice of Qualifying Local Program

The Lake County Stormwater Management Commission (SMC) will serve as a Qualifying Local Program (QLP) for MS4s in Lake County. As outlined in the General Permit, SMC will perform functions related to each of the six minimum control measures. **As part of the second NOI, SMC created a SMPP template that can be reviewed and revised by each MS4, to enhance their existing program.** Part E of the Annual Report, which outlines the activities performed by SMC as the Qualifying Local Program, consists of the following 5 subparts:

- **Part E1** summarizes and describes any changes to Best Management Practices (BMPs) originally outlined for Year 6 from the Year 5 Annual Report.
- **Part E2** describes the status of BMPs and measurable goals performed in Year 6.
- **Part E3** provides the results of information or data collected during Year 6.
- **Part E4** describes BMPs and measurable goals for the program for Year 7.
- **Part E5** lists the construction projects funded by the QLP during Year 6 of the permit.

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 6	
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
X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
X	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
X	C.9 Public Notification
X	C.10 Other Illicit Discharge Controls

Year 6	
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
	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
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
X	F.5 Flood Management/Assess Guidelines
X	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 6 are described below.

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. Recommend measures to address this BMP in SMPP template.

Various NPDES II related information is available on SMC’s “take away” rack and on its website. This information is distributed to MS4s through mail-outs and in PDF format for use on MS4 websites.

SMPP template completed and distributed in December 2008.

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.

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. Recommend measures to address this BMP in SMPP template

A Workshop for Homeowners Associations on Maintenance Techniques or Practices for Subdivision Drainage Systems was held on July 14, 2008.

SMPP template completed and distributed in December 2008.

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 SMC website with resource materials such as model ordinances, case studies and brochures and web links

Recommend measures to address this BMP in SMPP template.

As information becomes available, it is posted and/or distributed to MS4s. SMPP template completed and distributed in December 2008.

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 SMC on their website's calendar of events. SMC tracked the number of Stormwater Management Committee Board meetings, Technical Advisory Committee (TAC) meetings, and Watershed Management Board (WMB) meetings held during the 2008 fiscal year. According to records, there were 10 SMC meetings, 11 TAC 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.
Recommend measures to address this BMP in SMPP template*

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 2008 fiscal year. The list below provides the stakeholder meeting and number of occurrences during the 2008 fiscal year:

North Branch Ecosystem Partnership BMP Selection Committee –0

North Branch Planning Committee – 4

Indian Creek –1

Bull's Brook/Bull Creek – 2

Dead River/Kellogg Creek- 2

SMPP template completed and distributed in December 2008.

B.6 Program Coordination

*Measurable Goals: Track number of MAC meetings conducted during Year 6.
Prepare draft report on Qualifying Local Program activities at end of Year 6.*

Five Municipal Advisory Committee (MAC) meetings were held during Year 6 of the permit. The status of QLP activities at the end of Year 6 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 7 are in Part E4 of the Annual Report.

BMP No. B.7: Other Public Involvement

Measurable Goals: Recommend measures to address this BMP in SMPP template, if appropriate.

SMPP template completed and distributed in December 2008.

3. Illicit Discharge Detection and Elimination

BMP No. C.1: Storm Sewer Map Preparation

Measurable Goals: Recommend measures to address this BMP in SMPP template.

SMPP template completed and distributed in December 2008.

BMP No. C.2: Regulatory Control Program

Measurable Goal: Continue to enforce the countywide WDO.

SMC continues to enforce the countywide WDO.

BMP No. C.3: Detection/Elimination Prioritization Plan

Measurable Goals: Recommend measures to address this BMP in SMPP template.

SMPP template completed and distributed in December 2008.

BMP No. C.4: Illicit Discharge Tracing Procedures

Measurable Goals: Recommend measures to address this BMP in SMPP template.

SMPP template completed and distributed in December 2008.

BMP No. C.5: Illicit Source Removal Procedures

Measurable Goals: Recommend measures to address this BMP in SMPP template.

SMPP template completed and distributed in December 2008.

BMP No. C.6: Program Evaluation and Assessment

Measurable Goals: Recommend measures to address this BMP in SMPP template.

SMPP template completed and distributed in December 2008.

BMP No. C.7: Visual Dry Weather Screening

Measurable Goals: Recommend measures to address this BMP in SMPP template.

SMPP template completed and distributed in December 2008.

BMP No. C.9: Public Notification

Measurable Goals: Recommended measures to address this BMP may be included in the SMPP template.

SMPP template completed and distributed in December 2008.

4. Construction Site Runoff Control

D.1 Regulatory Control Program

*Measurable Goals: Continue to enforce the countywide WDO.
Initiate and administer the Designated Inspector Program as outlined by the WDO.
Recommend measures to address this BMP in SMPP template.*

**SMC continues to enforce the countywide WDO.
DECI program implemented and administered.
SMPP template completed and distributed in December 2008.**

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.
SMPP template completed and distributed in December 2008.**

D.3 Other Waste Control Program

*Measurable Goal: Enforce WDO provisions regarding the control of waste and debris at construction sites.
Recommend measures to address this BMP in SMPP template.*

**SMC continues to enforce the countywide WDO.
SMPP template completed and distributed in December 2008.**

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.
Recommend measures to address this BMP in SMPP template.*

**There are currently 60 EOs who have passed the EO exam.
No communities underwent a performance review during the 2008 fiscal year.**

Chapter 7 of the TRM, Ordinance Administration, was completed and approved. SMPP template completed and distributed in December 2008.

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.*

**5 SE/SC complaints were received and processed.
SMPP template completed and distributed in December 2008.**

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

*Measurable Goals: Track number of site inspections conducted by SMC.
Recommend measures to address this BMP in SMPP template.*

**Between March 2008 and March 2009, approximately 729 site inspections were conducted.
SMPP template completed and distributed in December 2008.**

5. Post-Construction Runoff Control

BMP No. E.2: Regulatory Control Program

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

**SMC continues to enforce the countywide WDO.
Approximately 27 violation notifications were resolved successfully between March 2008 and March 2009.
SMPP template completed and distributed in December 2008.**

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

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

**SMC continues to enforce the countywide WDO.
SMPP template completed and distributed in December 2008.**

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

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

**SMC continues to enforce the countywide WDO.
SMPP template completed and distributed in December 2008.**

BMP No. E.5: Site Inspections During Construction

Measurable Goal: Continue to enforce the countywide WDO.

Recommend measures to address this BMP in SMPP template.

**SMC continues to enforce the countywide WDO.
SMPP template completed and distributed in December 2008.**

BMP No. E.6: Post-Construction Inspections

*Measurable Goal: Continue to enforce the countywide WDO.
Recommend measures to address this BMP in SMPP template.*

**SMC continues to enforce the countywide WDO.
SMPP template completed and distributed in December 2008.**

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 11, 2008. There were 13 BMP construction projects approved for WMB funding. Part E5 contains a list of ongoing construction projects through the WMB program.

6. Pollution Prevention/Good Housekeeping

BMP No. F.1: Employee Training Program

*Measurable Goal: Provide list of available resources to MS4s.
Provide employee training workshops.
Include training recommendations in SMPP template.*

SMC continually passes along information on training opportunities and resources to MS4's.

**Two training workshops are scheduled for Year 7.
SMPP template completed and distributed in December 2008.**

BMP No. F.2: Inspection and Maintenance Program

Measurable Goal: Recommend measures to address this BMP in SMPP template.

SMPP template completed and distributed in December 2008.

BMP No. F.3: Municipal Operations Storm Water Control

Measurable Goal: Recommend measures to address this BMP in SMPP template.

SMPP template completed and distributed in December 2008.

BMP No. F.4: Municipal Operations Waste Disposal

Measurable Goal: Recommend measures to address this BMP in SMPP template.

SMPP template completed and distributed in December 2008.

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

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

There were 24 SMC sponsored multi-objective projects reviewed.

BMP No. F.6: Other Municipal Operations Control

Measurable Goal: Recommend measures to address this BMP in SMPP template.

SMPP template completed and distributed in December 2008.

Part E3. Information and Data Collection Results

Year 6 activities consisted primarily of permit program planning efforts. Therefore, no information or monitoring data was collected during this period.

Part E4. Summary of Year 7 Stormwater Activities

The table shown below summarizes the BMPs committed to for Year 7. Specific BMPs and measurable goals for Year 7 program development activities are presented in the sections following the table.

Note: X indicates BMPs committed to for Year 7.

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
X	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

SMC has committed to revising the Stormwater Management Program Plan (SMPP) template completed in Year 6 to address new requirements in the ILR40 General Permit effective April 1, 2009. The SMPP describes QLP commitments related to the program. SMC will create 3 tracking forms describing the commitments in the SMPP (annual, as needed, and on going) for the use of the MS4s. It is anticipated that the tracking forms will be used during Year 7 by the MS4 to demonstrate that their measurable goals are implemented.

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. A number of pamphlets and brochures related to BMPs and stormwater management have been produced. 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 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 and ongoing projects, allow for download of many SMC documents, and provide 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. 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 7.
Prepare draft report on Qualifying Local Program activities at end of Year 7.*

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.
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.*

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.

Part F. Construction Projects Conducted During Years 6 & 7

Project Name	Project Size (acres)	Construction Start Date	Construction End Date
Midlothian Road at Winchester Road	0.25 linear miles	October 2006	July 2008
Butterfield Road – IL Rt 176 to IL Rt 137	2.0 linear miles	November 2006	July 2008
Buffalo Grove Rd at Indian Creek	0.25 linear miles	March 2007	June 2008
Sunset Ave – Delany Rd to IL Rt 131	1.0 linear miles	June 2007	November 2008
Washington St – IL Route 21 to US Route 41	2.0 linear miles	July 2008	May 2010
Darrell Rd at Burnett Rd	0.75 linear miles	October 2008	May 2010
Monaville Rd at Grant Woods FP	0.25 linear miles	May 2007	June 2008
Deerfield Rd – Wilmot Rd to Saunders Rd	0.8 linear miles	November 2007	June 2009
Everett Rd – Old Barn Lane to Riverwoods	0.75 linear miles	August 2007	June 2008
Gilmer Rd at Diamond Lake Rd	0.25 linear miles	November 2007	July 2008
Wadsworth Rd at Cambridge Drive	0.25 linear miles	June 2009	October 2009
Hainesville Rd – Avon Twp to Washington St	0.3 linear miles	June 2008	September 2009
Skokie Valley BP – IL Rt 176 to Laurel Ave.	1.5 linear miles	April 2008	October 2009
West Park Ave Bike Path East of US Rt 41	0.50 linear miles	August 2009	July 2010
Fairfield Rd at Nippersink Rd	0.25 linear miles	July 2009	June 2010
Hutchins Rd – IL Rt 132 to Stearns Schl Rd	1.5 linear miles	July 2008	September 2008
Washington St – Cemetery Rd to IL Route 21	0.6 linear miles	October 2009	November 2010
Delany Rd at August Zupec	0.25 linear miles	June 2008	October 2009
Fairfield Rd at Bonner Rd	0.25 linear miles	June 2009	October 2009
Hainesville Rd BP – Avon Twp to IL Rt 120	0.75 linear miles	August 2008	December 2009
Midlothian Rd – Peterson Rd to Casey Rd	1.5 linear miles	December 2009	November 2010
Midlothian Rd BP – IL Rt 176 to Casey Rd	3.0 linear miles	May 2008	November 2010
North Ave – IL Rt 83 to Deep Lake Rd	3.0 linear miles	September 2009	November 2010
Winchester Rd at IL Route 21 Turn Lane	0.10 linear miles	August 2009	November 2009
East Branch Court Complex – Park City	7.7 Acres	June 2007	September 2008
Central Permit Facility – Libertyville	23.3 Acres	August 2008	April 2010
Salt Storage Facility – LCDOT Libertyville	5.0 Acres	August 2008	November 2009
Butler Lake Restoration Project - Libertyville	10.0 Acres	June 2006	September 2008
LCPW Watermain Replacements – Various	5.0 Acres	May 2007	November 2008
LCPW Mill Creek WRF Expansion	10.0 acres	March 2010	March 2012
Levee Improvements – N Libertyville Estates	10.0 Acres	May 2007	November 2008
Mundelein Branch Court Parking Lot	1.0 Acre	June 2009	Sept 2009
ITS Fiber Optic Phase II – Various Locations	3.0 Acres	May 2008	November 2009
ITS Fiber Optic 2009 – Various Locations	3.0 Acres	December 2009	December 2010
ITS Fiber Optic 2010 – Various Locations	3.0 Acres	March 2010	March 2011
Buffalo Grove Rd – Deerfield to IL Rt 83	0.6 linear miles	June 2009	November 2009
Peterson Rd at IL Route 60	1.0 linear miles	March 2010	June 2011
Gilmer Rd at Fremont Center Rd	0.25 linear miles	March 2009	September 2009
Bonner Rd at Darrell Rd	0.25 linear miles	March 2009	September 2009
Lewis Avenue – Yorkhouse Rd to 14 th Street	3.5 linear miles	March 2009	November 2009
Grand Avenue – IL Route 131 to Sheridan Rd	3.0 linear miles	March 2009	November 2009
Grass Lake Road at Sun Lake Drain	0.10 linear miles	June 2009	October 2009
Washington St Intercon. – Teske to Sheridan	1.0 Acres	November 2007	May 2009
Libertyville Perimeter Berm Project	5.0 acres	August 2009	October 2009
Skilled Nursing Care Facility - Libertyville	20.0 acres	February 2011	December 2012
LCPW Portwine Forcemain Improvements	2.0 acres	February 2010	November 2010
LCPW Hawthorn Woods Water System	7.0 acres	August 2010	November 2011
LCPW 2010 Watermain Improvements	2.0 acres	March 2010	November 2010