



# Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

## Notice of Intent for New or Renewal of General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4's)

### Part I. Municipal (MS4) Contact Information

1. Name of Municipality: Lake Villa Township Highway Department MS4 #: ILR400074  
 Population (based on 2010 census): 40266
2. MS4 Mailing Address: 37908 North Fairfield Road City: Lake Villa, IL Zip: 60046
3. Primary MS4 Contact Person (Authorized Representative for MS4 Permit)  
 Name: Jim Jorgensen Title: Highway Commissioner  
 Phone: 847-356-5831 Email Address: lvthwy@comcast.net

### General Information

4. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:  
 Latitude: 42 18 12.7692 Longitude: -88 1 13.4436  
Degrees Minutes Seconds Degrees Minutes Seconds
5. Community Type: Township Other: \_\_\_\_\_
6. Name(s) of governmental entity(ies) in which MS4 is located:

City/Village	Township	County
Lake Villa	Lake Villa	Lake County
Round Lake Heights	Lake Villa	Lake County
Round Lake Beach	Lake Villa	Lake County
Grayslake	Lake Villa	Lake County
Lindenhurst	Lake Villa	Lake County

7. Area of land within your MS4 in square miles: 26
8. Percent of MS4 served by combined sewer: 0 Percent of MS4 served by separate sewer: 50

### Impaired Waters

The most recent 303(d) list may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/303d-list.aspx>. Information regarding TMDLs may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/default.aspx>.

Name(s) of known receiving waters (in and within 3 miles of MS4 area)	Impairment listed on 303d List or TMDL?
Fox Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Cedar Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Eagle Creek	<input type="radio"/> Yes <input checked="" type="radio"/> No
Sun Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Deep Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Crooked Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hastings Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hook Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No

Name(s) of known receiving waters (in and within 3 miles of MS4 area)	Impairment listed on 303d List or TMDL?
Lake Miltmore	<input checked="" type="radio"/> Yes <input type="radio"/> No
Fourth Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Slough Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Sand Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Lake Linden	<input checked="" type="radio"/> Yes <input type="radio"/> No
Waterford (Walden) Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Potomac Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hastings Creek	<input checked="" type="radio"/> Yes <input type="radio"/> No
Hendrick Lake	<input type="radio"/> Yes <input checked="" type="radio"/> No
Mill Creek	<input type="radio"/> Yes <input checked="" type="radio"/> No
Squaw Creek	<input type="radio"/> Yes <input checked="" type="radio"/> No
Sequoit Creek	<input type="radio"/> Yes <input checked="" type="radio"/> No
Petite Lake	<input checked="" type="radio"/> Yes <input type="radio"/> No

9a. If impaired, which potential causes and source?

Causes: varies

Source: varies

9b. Are the receiving waterbodies included in an approved TMDL or alternate water quality management plan?  Yes  No

9c. Is the MS4 community included in the chloride variance?  Yes  No

## Program Responsibility

### 10. Shared Responsibility

Is your MS4 responsible for any permit requirements of another MS4 community?  Yes  No

Does your MS4 Community rely on another MS4 to satisfy any of the permit requirements?  Yes  No

If yes: Which MS4 community?: \_\_\_\_\_

Which minimum control measurements is the other MS4 responsible for?

- |  |  |
|--|--|
| <input type="checkbox"/> Public Education and Outreach               | <input checked="" type="checkbox"/> Construction Site Runoff Control |
| <input type="checkbox"/> Public Participation/Involvement            | <input checked="" type="checkbox"/> Post-Construction Runoff Control |
| <input type="checkbox"/> Illicit Discharge Detection and Elimination | <input type="checkbox"/> Pollution Prevention/Good Housekeeping      |

### 11. Co-Permittee

Is your MS4 Community a Co-Permittee with another MS4 Community?  Yes  No

### 12. Other contacts responsible for implementation or coordination of Stormwater Management Program

Name: Eric Steffen Title: Operations Manager, Lake County Planning, Bld Dev

Phone: 847-377-2600 Email: lcpermits@lakecountyil.gov

Area of Responsibility: Construction Site Runoff Control, Post-Construction Runoff Control

Part II. Best Management Practices (include shared responsibilities) which have been implemented or are proposed to be implemented in the MS4 area

A. Public Education and Outreach

Approximate date first implemented: March 2008 Frequency of each BMP program: varies

Qualifying Local Programs

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the MS4 Permit, including activities related to Public Education and Outreach. These activities provide Lake County with a baseline Countywide stormwater management program that can be built upon by each of the individual MS4s. Over the coming years, SMC plans to continue to perform a variety of activities related to the Public Education and Outreach MCM..

Measurable Goals (include shared responsibilities)

A.1 Distributed Paper Material

Brief Description of BMP

The QLP compiles, develops, and distributes throughout Lake County (to the general public and MS4s) a variety of materials related to stormwater management. The MS4 supports the QLP by further distributing education material via take-away racks, municipal newsletters, website, at outreach events and by supporting efforts of the Solid Waste Agency of Lake County (SWALCO).

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

- Year 1:
- Year 2:
- Year 3:
- Year 4:
- Year 5:

Additional Info

BMP Number: A1-1(Q)

Make available outreach materials on stormwater related topics including safe vehicle maintenance, car washing, healthy lawn care, green infrastructure, pool dewatering, illicit discharge and illegal dumping. Both the MS4 and the QLP provide via take-away-racks, outreach events and scheduled meetings with the general public, as needed.

A.2 Speaking Engagement

Brief Description of BMP

The QLP provides educational presentations related to IEPA's NPDES Stormwater Program on a regular basis at Municipal Advisory Committee (MAC) meetings. Upon request, QLP provides educational presentations related to IEPA's NPDES Stormwater Program to Lake County MS4s.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is annually unless otherwise noted.

Milestones

- Year 1:

- Year 2: Minimum of 1 NPDES program related presentation annually by QLP.
- Year 3: Minimum of 1 NPDES program related presentation annually by QLP.
- Year 4: Minimum of 1 NPDES program related presentation annually by QLP.
- Year 5: Minimum of 1 NPDES program related presentation annually by QLP.

Additional Info

BMP Number: A2-1(Q)

Include NPDES program information at at least 1 annual MAC meeting.

BMP Number: A2-2(Q)

Provide educational presentations related to NPDES stormwater program (Big Picture), upon request.

A.3 Public Service Announcement

Brief Description of BMP

QLP performs extensive Social Media Outreach & Announcement Activities. Public service announcement related to IEPA's NPDES Stormwater Program or Stormwater BMPs are included in SMC's watershed E-News. SMC also utilizes social media and coordinates with the Lake County Department of Transportation (LCDOT) to post watershed identification signage in watersheds where watershed planning activities have occurred or are occurring.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

- Year 1: 1 mainstream publication annually. Maintain social media campaign. (Q)
- Year 2: 1 mainstream publication annually. Maintain social media campaign. (Q)
- Year 3: 1 mainstream publication annually. Maintain social media campaign. (Q)
- Year 4: 1 mainstream publication annually. Maintain social media campaign. (Q)
- Year 5: 1 mainstream publication annually. Maintain social media campaign. (Q)

Additional Info

BMP Number: A3-1(Q)

Include NPDES program information in at least 1 mainstream publication.

BMP Number: A3-2(Q)

Post watershed signage in cooperation with LCDOT.

BMP Number: A3-3(Q)

Provide NPDES related information via Facebook and Twitter.

A.4 Community Event

**Brief Description of BMP**

QLP sponsors and co-sponsors educational and technical training workshops on a variety of stormwater management-related topics. Each year, SMC will sponsor or co-sponsor at least one workshop on a topic related to IEPA's NPDES Stormwater Program, such as soil erosion and sediment control, illicit discharge detection and elimination, or stormwater best management practices (BMPs) that can be used to protect and improve water quality.

**Measurable Goals, including frequencies**

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is annual unless otherwise noted.

**Milestones**

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

**Additional Info**

BMP Number: A4-1

Solid Waste Agency of Lake County (SWALCO) holds household waste collection events in various communities throughout Lake County, which assist in collecting waste before it enters the storm sewer system. The MS4 supports and publicizes SWALCO collections including maintaining a Special Collection Service "At Your Door."

BMP Number: A4-2(Q)

Sponsor / co-sponsor NPDES related workshops, at least once annually (track).

BMP Number: A4-3(Q)

Sponsor / co-sponsor NPDES related workshops (track). Attend/sponsor outreach events and scheduled meetings as-needed.

A.5 Classroom Education Material

**Brief Description of BMP**

Upon request, QLP will contribute to the development and compilation of material for inclusion in a stormwater education kit that can be distributed to local students and teachers and/or other local stakeholders. Additionally, upon request, SMC will provide information, materials, and training to local students and teachers and/or other local stakeholders interested in conducting storm drain stenciling.

**Measurable Goals, including frequencies**

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is as-needed unless otherwise noted.

Milestones

Year 1:

Year 2:

Year 3:

Year 4:

Year 5:

Additional Info

BMP Number: A5-1(Q)

Provide stormwater educational kits, as-needed.

BMP Number: A5-2(Q)

Provide guide to Storm Drain Marking to groups that express interest, as-needed.

A.6 Other Public Education

Brief Description of BMP

QLP maintains a website that contains a variety of materials and resources related to stormwater management. The website provides information about IEPA's NPDES Stormwater Program, provide information about stormwater best management practices (BMPs), allow for download of stormwater management-related publications and documents, provide notices of upcoming meetings and ongoing projects, includes watershed plans and watershed workgroup information, and provide links to a number of other stormwater management-related resources.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1:

Year 2:

Year 3:

Year 4:

Year 5:

Additional Info

BMP Number: A6-1

Maintain website links to SMC, SWALCO, IEPA, safe vehicle maintenance & car washing information, healthy lawn care, green infrastructure, and pool dewatering information.

BMP Number: A6-2

Post NOI, SMPP and Annual Report on website.

BMP Number: A6-3(Q)

QLP maintain SMC website (information and links; include illicit discharge and illegal dumping info).

**B. Public Participation/Involvement**

Approximate date first implemented: March 2008

Frequency of each BMP program: varies

Qualifying Local Programs

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the permit, including activities related to Public Participation/Involvement. These activities provide Lake County with a baseline Countywide stormwater management program that can be built upon by each of the individual MS4s. Over the coming years, SMC plans to continue to perform a variety of activities related to the Public Participation/Involvement MCM.

Measurable Goals (include shared responsibilities)

B.2 Educational Volunteer

B.3 Stakeholder Meeting

Brief Description of BMP

The QLP 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 the watershed stakeholders. Watershed stakeholders may include municipalities, townships, drainage districts, homeowner associations, lakes management associations, developers, landowners, and local, county, state, and federal agencies.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: Participate in relevant watershed planning efforts and workgroups.

Year 2: Participate in relevant watershed planning efforts and workgroups.

Year 3: Participate in relevant watershed planning efforts and workgroups.

Year 4: Participate in relevant watershed planning efforts and workgroups.

Year 5: Participate in relevant watershed planning efforts and workgroups.

Additional Info

BMP Number: B3-1(Q)

QLP establishes watershed planning committee for each new watershed planning effort and provides notice of meetings. MS4 participates in watershed planning efforts that are relevant to the MS4.

B.4 Public Hearing

Brief Description of BMP

Present Annual Report to Board during open meeting

Measurable Goals, including frequencies

MS4 to present Annual Report to Board during open meeting.

Milestones

Year 1: Present Annual Report to Board during open meeting.

Year 2: Present Annual Report to Board during open meeting.

Year 3: Present Annual Report to Board during open meeting.

Year 4: Present Annual Report to Board during open meeting.

Year 5: Present Annual Report to Board during open meeting.

Additional Info

BMP Number: \_\_\_\_\_

B.5 Volunteer Monitoring



B.6. Program Involvement

Brief Description of BMP

QLP formed the Municipal Advisory Committee (MAC) to provide a forum for representatives of local MS4s, which include municipalities, townships, and drainage districts, to discuss, among other topics, the implementation of IEPA's NPDES Stormwater Program. SMC will continue to facilitate MAC meetings and will continue to provide general support to Lake County MS4s as they continue to develop and implement their stormwater management programs. SMC will prepare an annual report on its stormwater management activities and will provide guidance to Lake County MS4s in preparing their own annual reports.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is annually unless otherwise noted.

Milestones

- Year 1: Track MAC and other stormwater related meetings.
- Year 2: Track MAC and other stormwater related meetings.
- Year 3: Track MAC and other stormwater related meetings.
- Year 4: Track MAC and other stormwater related meetings.
- Year 5: Track MAC and other stormwater related meetings. Evaluate SMPP.

Additional Info

BMP Number: B6-1(Q)

QLP hosts and MS4 attends MAC meetings and other stormwater related events.

BMP Number: B6-2

Evaluate SWPP (at least once during permit cycle) noting major highlights and deficiencies.

BMP Number: B6-3(Q)

Provide annual report template including description of QLP. Provide detailed State of Lake County Water's segment in annual report template.

B.7 Other Public Involvement

Brief Description of BMP

Publicize contact information to encourage submission of complaints, suggestions, requests or report potential illicit discharges/illegal dumping.

Measurable Goals, including frequencies

Publicize contact information to encourage submission of complaints, suggestions, requests (on-going).

Milestones

- Year 1: Implement SMPP.
- Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: \_\_\_\_\_

**C. Illicit Discharge Detection and Elimination**

Approximate date first implemented: March 2008 Frequency of each BMP program: varies

Qualifying Local Programs

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the permit, including activities related to Illicit Discharge Detection and Elimination. These activities provide Lake County with a baseline Countywide stormwater management program that can be built upon by each of the individual MS4s. Over the coming years, SMC plans to continue to perform a variety of activities related to the Illicit Discharge Detection and Elimination MCM.

C.1 Sewer Map Preparation

Brief Description of BMP

MS4 maintains an outfall map showing the locations of outfalls, specifically identifying high priority outfalls and the names and location of all waters that receive discharges from those outfalls.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: C1-1

Maintain outfall map.

BMP Number: C1-2(Q)

Make available outfall data obtained as part of stream inventories and GIS data related to the County's existing stormwater infrastructure (e.g. storm sewer atlases, stream inventories and detention basin inventories).

Measurable Goals (include shared responsibilities)

BMP Number: C1-3

Inspect for "new" outfalls every 5 years

C.2 Regulatory Control Program

Brief Description of BMP

The WDO includes provisions that prohibit illicit discharges to the storm sewer system during construction (i.e., prior to final site stabilization) on development sites. MS4 has also adopted illicit discharge ordinances that prohibit all non-stormwater discharges, including illegal dumping, to the storm sewer system.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

- Year 1: Enforce ordinances.
- Year 2: Enforce ordinances.
- Year 3: Enforce ordinances.
- Year 4: Enforce ordinances.
- Year 5: Enforce ordinances.

Additional Info

BMP Number: C2-1

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement. The LVTHD supports LCPBD.

C.3 Detection/Elimination Prioritization Plan

Brief Description of BMP

Detection / Elimination Privatization Plan has been developed and is included in SMPP. Detection methods include dry-weather screening, regular storm sewer maintenance, and public reporting.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation frequencies are noted below per BMP.

Milestones

- Year 1: Implement SMPP.
- Year 2: Implement SMPP.
- Year 3: Implement SMPP.
- Year 4: Implement SMPP.
- Year 5: Implement SMPP.

Additional Info

BMP Number: C3-1

Respond to, track and resolve indirect illicit discharges, as needed.

BMP Number: C3-2

Complete outfall identification and pre-screening for receiving streams; rescreen periodically.

BMP Number: C3-3

Complete outfall inspection procedure for outfalls with observed dry weather flow, document

BMP Number: C3-4

Coordinate with the County and watershed work groups to ensure high priority outfall locations are being monitored.

C.4 Illicit Discharge Tracing Procedures

Brief Description of BMP

Source Id/tracing procedures for identified illicit discharges have been developed and are included in SMPP.

Measurable Goals, including frequencies

Follow established tracing procedures for potential illicit discharges included in the SMPP, on an as needed basis.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: \_\_\_\_\_

C.5 Illicit Source Removal Procedures

Brief Description of BMP

Removal procedures for found illicit discharges have been developed and are included in SMPP.

Measurable Goals, including frequencies

Document removal efforts and coordination with other MS4 for outfalls with illicit discharges

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: \_\_\_\_\_

[Empty box for additional information]

C.6 Program Evaluation and Assessment

Brief Description of BMP

Periodically evaluate and assess the IDDE portion of the SMPP. Collaborate and share information about IDDE program and results through MAC.

Measurable Goals, including frequencies

The inclusion or exclusion of water bodies on the IEPAs 303(d) list, published bi-annually, is a direct reflection of the program's effectiveness.

Milestones

Year 1: Include assessment in Part B of the Annual Report.

Year 2: Include assessment in Part B of the Annual Report.

Year 3: Include assessment in Part B of the Annual Report.

Year 4: Include assessment in Part B of the Annual Report.

Year 5: Include assessment in Part B of the Annual Report.

Additional Info

BMP Number: \_\_\_\_\_

[Empty box for additional information]

C.7 Visual Dry Weather Screening

Brief Description of BMP

Continue screening storm sewer structures as part of regular cleaning and maintenance and implementing dry weather screening program as described in the SMPP.

Measurable Goals, including frequencies

Inspect catch basins, attempt to clean all catch basins annually. Document.

[Empty box]

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: \_\_\_\_\_

[Empty box]

C.8 Pollutant Field Testing

C.9 Public Notification

Brief Description of BMP

Implement Spill Response Plan, described in SMPP. Provide notice for observed discharges.

Measurable Goals, including frequencies

Implement SMPP on an as-needed basis.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: \_\_\_\_\_

[Empty box]

C.10 Other Illicit Discharge Controls

Brief Description of BMP

QLP regularly sponsors and co-sponsors educational and technical training workshops on a variety of stormwater management-related topics.

Measurable Goals, including frequencies

QLP sponsored/co-sponsored activity at least once annually.

Milestones

- Year 1: QLP sponsored/co-sponsored activity at least once annually.
- Year 2: QLP sponsored/co-sponsored activity at least once annually.
- Year 3: QLP sponsored/co-sponsored activity at least once annually.
- Year 4: QLP sponsored/co-sponsored activity at least once annually.
- Year 5: QLP sponsored/co-sponsored activity at least once annually.

Additional Info

BMP Number: \_\_\_\_\_

**D. Construction Site Runoff Control**

Approximate date first implemented: March 2003 Frequency of each BMP program: varies

Qualifying Local Programs

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the permit, including activities related to Construction Site Runoff Control. These activities provide Lake County with a baseline Countywide stormwater management program that can be built upon by each of the individual MS4s. Over the coming years, SMC plans to continue to perform a variety of activities related to the Construction Site Runoff Control MCM.

D.1 Regulatory Control Program

Brief Description of BMP

The WDO is the regulatory mechanism that requires the use of soil erosion and sediment controls on development sites throughout Lake County. SMC has also created a Designated Erosion Control Inspector (DECI) program, a program designed to closely mirror the inspection requirements of IEPA's General NPDES Permit No. ILR10.

Measurable Goals, including frequencies

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township. The LVTHD supports LCPBD. Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

- Year 1: Support LCPBD's enforcement of the WDO and DECI program.
- Year 2: Support LCPBD's enforcement of the WDO and DECI program.
- Year 3: Support LCPBD's enforcement of the WDO and DECI program.
- Year 4: Support LCPBD's enforcement of the WDO and DECI program.
- Year 5: Support LCPBD's enforcement of the WDO and DECI program.

Additional Info

Measurable Goals (include shared responsibilities)

BMP Number: D1-1

Support LCPBD.

BMP Number: D1-2(Q)

Administer DECI program.

D.2 Erosion and Sediment Control BMPs

Brief Description of BMP

§600 of the WDO specifies the soil erosion and sediment control measures that must be used in conjunction with any land disturbing activities conducted on a development site. SMC has also created a Designated Erosion Control Inspector (DECI) program, a program designed to closely mirror the inspection requirements of IEPA's General NPDES Permit No. ILR10.

Measurable Goals, including frequencies

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: Support LCPBD's enforcement of the WDO and DECI program.

Year 2: Support LCPBD's enforcement of the WDO and DECI program.

Year 3: Support LCPBD's enforcement of the WDO and DECI program.

Year 4: Support LCPBD's enforcement of the WDO and DECI program.

Year 5: Support LCPBD's enforcement of the WDO and DECI program.

Additional Info

BMP Number: D2-1(Q)

Administer DECI program. MS4 assist QLP in ensuring applicable developments comply with DECI program requirements.

BMP Number: D2-2(Q)

Maintain technical guidance resources, documents and offer training to accompany the WDO.

D.3 Other Waste Control Program

Brief Description of BMP

The WDO includes several provisions that address illicit discharges generated by construction sites. The applicant is required to prohibit the dumping, depositing, dropping, throwing, discarding, or leaving of litter and construction material and all other illicit discharges from entering the stormwater management system. SMC has also created a Designated



Erosion Control Inspector (DECI) program, a program designed to closely mirror the inspection requirements of IEPA's General NPDES Permit No. ILR10 (including waste control requirements).

Measurable Goals, including frequencies

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township.

Milestones

- Year 1: Support LCPBD.
- Year 2: Support LCPBD.
- Year 3: Support LCPBD.
- Year 4: Support LCPBD.
- Year 5: Support LCPBD.

Additional Info

BMP Number: \_\_\_\_\_

D.4 Site Plan Review Procedures

Brief Description of BMP

A community's designated enforcement officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO. Within certified communities (i.e., communities certified by SMC to administer and enforce the provisions of the WDO), responsibility for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO lies with the MS4; within non-certified communities, the designated enforcement officer is SMC's chief engineer. All designated enforcement officers must pass an exam in order to qualify to act as such. SMC administers this enforcement officer program, providing training on an as-needed basis to all enforcement officers to assist them in passing the exam, and maintains an up-to-date list identifying each community's designated enforcement officer. In addition to administering the enforcement officer program, SMC periodically reviews each community's WDO administration and enforcement records, using the results of such review to evaluate the performance of certified communities and designated enforcement officers.

Measurable Goals, including frequencies

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township. Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted

Milestones

- Year 1: Support LCPBD.
- Year 2: Support LCPBD.
- Year 3: Support LCPBD.
- Year 4: Support LCPBD.
- Year 5: Support LCPBD.

Additional Info

BMP Number: D4-1

Support LCPBD in their administration and enforcement of the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township.

BMP Number: D4-2(Q)

Provide/maintain Technical Guidance Documents.

BMP Number: D4-3(Q)

Maintain Qualified Enforcement Officer List.

BMP Number: D4-4(Q)

Implement community recertification process (for communities seeking certified community status for the enforcement of the WDO).

D.5 Public Information Handling Procedures

Brief Description of BMP

Both the MS4 and QLP provide a number of opportunities for the receipt and consideration of information submitted by the public.

Measurable Goals, including frequencies

Document, track and forward soil erosion and sediment control related complaints to the appropriate MS4 (unincorporated to LCPBD) and incorporated to the municipality.

Milestones

Year 1: Forward SE/SC complaints to appropriate MS4.

Year 2: Forward SE/SC complaints to appropriate MS4.

Year 3: Forward SE/SC complaints to appropriate MS4.

Year 4: Forward SE/SC complaints to appropriate MS4.

Year 5: Forward SE/SC complaints to appropriate MS4.

Additional Info

BMP Number: \_\_\_\_\_

D.6 Site Inspection/Enforcement Procedures

Brief Description of BMP

Article 11 of the WDO contains both recommended and minimum requirements for the inspection of development sites. Within certified communities, the community's designated enforcement officer is responsible for conducting these inspections; within non-certified communities, SMC's chief engineer is responsible for conducting these inspections. Article 12 of the WDO specifies the legal actions that may be taken and the penalties that may be imposed if the provisions of the WDO are violated.

Measurable Goals, including frequencies

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township.

Milestones

Year 1: Support LCPBD.

Year 2: Support LCPBD.

Year 3: Support LCPBD.

Year 4: Support LCPBD.

Year 5: Support LCPBD.

Additional Info

BMP Number: \_\_\_\_\_

[Empty rectangular box for BMP Number]

D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Approximate date first implemented: March 2003 Frequency of each BMP program: varies

Qualifying Local Programs

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. SMC performs activities related to each of the six MCMs described in the permit, including activities related to Post-Construction Runoff Control. These activities provide Lake County with a baseline Countywide stormwater management program. QLP activities will continue to provide Lake County a baseline Countywide stormwater management program and support Lake County MS4s in the implementation of the Post-Construction Runoff Control MCM by administering and enforcing the WDO and performing other stormwater management activities. Individual MS4s can build upon the baseline Countywide stormwater management program.

Measurable Goals (include shared responsibilities)

E.1 Community Control Strategy

E.2 Regulatory Control Program

Brief Description of BMP

Proposed stormwater management strategies must address the runoff volume reduction requirements described in §503 of the WDO and must include appropriate stormwater BMPs to address the other applicable post-construction runoff control requirements of the WDO.

Measurable Goals, including frequencies

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township.

Milestones

Year 1: Support LCPBD.

Year 2: Support LCPBD.

Year 3: Support LCPBD.

Year 4: Support LCPBD.

Year 5: Support LCPBD.

Additional Info

BMP Number: \_\_\_\_\_

[Empty text box for additional information]

E.3 Long Term O & M Procedures

Brief Description of BMP

§401 of the WDO requires that maintenance plans be developed for all stormwater management systems and, §500 further details deed or plat restriction requirements for all stormwater management systems.

Measurable Goals, including frequencies

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township.

Milestones

Year 1: Support LCPBD.

Year 2: Support LCPBD.

Year 3: Support LCPBD.

Year 4: Support LCPBD.

Year 5: Support LCPBD.

Additional Info

BMP Number: \_\_\_\_\_

[Empty text box for additional information]

E.4 Pre-Construction Review of BMP Designs

Brief Description of BMP

As described above, a community's designated enforcement officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO. This includes a review of the stormwater BMPs that will be used to meet the post-construction runoff control requirements of the WDO and adherence to the Runoff Volume Reduction (RVR) standards of §503.

Measurable Goals, including frequencies

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township.

Milestones

Year 1: Support LCPBD.

Year 2: Support LCPBD.

Year 3: Support LCPBD.

Year 4: Support LCPBD.

Year 5: Support LCPBD.

Additional Info

BMP Number: \_\_\_\_\_

[Empty text box for additional information]

E.5 Site Inspections During Construction

Brief Description of BMP

As described above in MCM D.6 Article 11 of the WDO contains both recommended and minimum requirements for the inspection of development sites.

Measurable Goals, including frequencies

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township.

Milestones

Year 1: Support LCPBD.

Year 2: Support LCPBD.

Year 3: Support LCPBD.

Year 4: Support LCPBD.

Year 5: Support LCPBD.

Additional Info

BMP Number: \_\_\_\_\_

[Empty text box for additional information]

E.6 Post-Construction Inspections

Brief Description of BMP

SMC has collaborated on a number of watershed-based plans throughout the County. These watershed plans included stream and detention basin inventories. The plans also include a list of site-specific best management practices within various communities based on an assessment of these inventories and other data. SMC may assist communities in identifying potential project sites, recommended in adopted watershed plans, within their jurisdictional boundaries based on need and funding resources. Provisions of WDO §401, also requires a maintenance plan that includes the party responsible and funding sources of all stormwater management system components.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: Support LCPBD.

Year 2: Support LCPBD.

Year 3: Support LCPBD.

Year 4: Support LCPBD.

Year 5: Support LCPBD.

Additional Info

BMP Number: E6-1

The LVTHD does not have permitting authority over development outside of its ROW. The LCPBD is a certified community with respect to the WDO. Accordingly the LCPBD administers and enforces the WDO including plan review, permitting, inspections and enforcement within unincorporated areas of Lake Villa Township.

BMP Number: E6-2(Q)

Develop an application, for use by MS4s, to identify adopted watershed plan recommendations within their communities.

BMP Number: E6-3(Q)

Maintain Watershed Planning Status, (<https://www.lakecountyil.gov/DocumentCenter/View/10930/Watershed-Planning-Status-Map-PDF>).

BMP Number: E6-4(Q)

Develop Watershed Based Plans, (<https://www.lakecountyil.gov/2437/Watershed-Management-Plans>).

BMP Number: E6-5

Consider public implementation of watershed plan recommendations as part of fiscal planning/budgeting. Encourage property owners to implement watershed plan recommendations (streambank, shoreline, detention basin etc).

E.7 Other Post-Construction Runoff Controls

Brief Description of BMP

Through the Watershed Management Board (WMB), SMC provides partial funding for flood damage reduction and surface water quality improvement projects. The WMB, which includes representatives from the Lake Michigan, North Branch of the Chicago River, Fox River, and Des Plaines River watersheds, meets annually to review potential projects and to make recommendations on stormwater BMP project funding. Members of the WMB include chief municipal elected officials, township supervisors, drainage district chairmen, and county board members from each district found within each of Lake County's four major watersheds. The goal of the WMB program is to maximize opportunities for local units of government and other groups to have input and influence on the solutions used to address local stormwater management problems. Previous WMB-funded projects have reduced flooding, improved surface water quality, and enhanced existing stormwater management facilities throughout Lake County.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: E7-1

Implement street sweeping procedures described in SMPP.

BMP Number: E7-2(Q)

Conduct annual WMB meeting. Administer/fund grant program.

**F. Pollution Prevention/Good Housekeeping**

Approximate date first implemented: \_\_\_\_\_ Frequency of each BMP program: \_\_\_\_\_

Qualifying Local Programs

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. SMC performs activities related to each of the six MCMs described in the permit, including activities related to Pollution Prevention/Good Housekeeping. These activities provide Lake County with a baseline Countywide stormwater management program. QLP activities will continue to provide Lake County a baseline Countywide stormwater management program and support Lake County MS4s in the implementation of the Pollution Prevention/Good Housekeeping MCM. Individual MS4s can build upon the baseline Countywide stormwater management program.

F.1 Employee Training Program

Brief Description of BMP

The MS4's Pollution Prevention/Good Housekeeping program includes: the evaluation and improvement of municipal policies and procedures to reduce the discharge of pollutants from municipal activities and operations; and, a training program for municipal employees.

Measurable Goals, including frequencies

Refer to BMP's below. BMP numbers without a "Q" are administered by the MS4. "Q" BMP numbers are administered by the QLP and supported by the MS4. BMP implementation is on-going unless otherwise noted.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

Measurable Goals (include shared responsibilities)

BMP Number: F1-1

Ensure applicable Village staff trained to implement SMPP. Encourage employees to attend relevant training sessions offered by the QLP and other entities on topics related to the goals/objectives of the Storm Water Management Program.

BMP Number: F1-2

Maintain the general facilities, municipal roads, its general facilities, and associated maintenance yards as described in the SMPP.

BMP Number: F1-3(Q)

QLP will assist Lake County MS4s with the development and implementation of their employee training programs by maintaining a list of known employee training resources and opportunities, making available a software-based employee training program, and providing technical assistance to local MS4s.

BMP Number: F1-4(Q)

Sponsor or co-sponsor a training workshop related to pollution prevention/good housekeeping or other training workshop related to IEPA's NPDES Stormwater Program.

F.2 Inspection and Maintenance Program

Brief Description of BMP

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

Measurable Goals, including frequencies

Implement Good House Keeping provisions of the SMPP including inspecting and reconditioning spreaders and spinners annually.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: \_\_\_\_\_

F.3 Municipal Operations Storm Water Control



Brief Description of BMP

The SMPP identifies where maintenance and washing of MS4 fleet is done, how lubricant and oil spills are handled, how/where road salt and chemicals are stored, etc.

Measurable Goals, including frequencies

Follow Snow Removal and Ice Control procedures and maintain green infrastructure as described in SMPP.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: \_\_\_\_\_

F.4 Municipal Operations Waste Disposal

Brief Description of BMP

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

Measurable Goals, including frequencies

Refer to BMP's below.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: F4-1

Implement vehicle maintenance collection and disposal (waste oil, antifreeze, batteries, tires) measures as described in SMPP.

BMP Number: F4-2

Prevent/Minimize illicit discharges from Special Events, as necessary.

F.5 Flood Management/Assess Guidelines

Brief Description of BMP

In working toward meeting its primary goals of flood damage reduction and surface water quality improvement, QLP follows a set of stormwater management policies that were created to define its roles and responsibilities for stormwater management in Lake County. One of these policies is to integrate multi-objective opportunities (e.g., flood damage reduction, surface water quality improvement, environmental enhancement) into SMC-sponsored projects.

Measurable Goals, including frequencies

The QLP will track number of SMC-sponsored projects that are reviewed for multi-objective opportunities, annually.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: \_\_\_\_\_

F.6 Other Municipal Operations Controls

Brief Description of BMP

The QLP advises MS4 communities of watershed groups addressing issues associated with the use of chlorides (i.e. road salt).

Measurable Goals, including frequencies

The QLP continues to advise MS4 communities of watershed groups addressing issues associated with the use of chlorides (i.e. road salt). SMC will make available chloride reduction documents on take-away racks and the website.

Milestones

Year 1: Implement SMPP.

Year 2: Implement SMPP.

Year 3: Implement SMPP.

Year 4: Implement SMPP.

Year 5: Implement SMPP.

Additional Info

BMP Number: \_\_\_\_\_

--

**BMPs Currently Implemented and Proposed**

BMP Number	Location
	All BMPs described above are currently implemented non-structural BMPs.
	All BMPs described above are currently proposed non-structural BMPs.

**Approximate Pollutant Reduction Resulting from each BMP**

BMP Number	Pollutant	Reduction
	*To be added upon receipt of formal guidance issued by IEPA.	

**Instream Monitoring Program**

Is there an instream monitoring program currently in place?     Yes     No

Is an instream monitoring program currently being proposed?     Yes     No

If Yes, which parameters are monitored and at what frequency?

Parameter	Frequency
*See description in "other monitoring" below.	

**Sediment Monitoring**

Is sediment monitoring currently taking place?     Yes     No

If Yes, please describe the sediment sampling program.

*See description in "other monitoring" below.
---

**Sample Monitoring of Outfalls**

Is sample monitoring of outfalls currently taking place?     Yes     No

If Yes, list locations, pollutant parameters, and frequency of sampling.

Location	Pollutant Parameter	Frequency of Sampling
*See description in "other" below.		
*See Sec. C. IDDE BMPs above.		

## Other Monitoring

Describe other types of monitoring implemented or proposed to evaluate the BMP effectiveness or water quality impact of stormwater.

There are extensive monitoring efforts already underway across the County which directly reflect the water quality of the waters within the MS4.

The Des Plaines River Watershed Workgroup (DRWW) monitors water quality in the Des Plaines River and tributaries to accurately identify the quality of the river ecosystems as well as stressors associated with non-attainment of water quality standards and designated uses. Lake Villa Township is located within the jurisdictional limits of the Lake County Planning, Building and Development Division (LCPBD). The County is a member of the DRWW and actively participates in the DRWW on behalf of Townships. Each Annual Report will describe the extent of the DRWW monitoring efforts.

The Fox River Implementation Plan (FRIP) takes the place of a traditional TMDL for dissolved oxygen and nuisance algae in the Fox River. The FRSG directly coordinates with the IEPA on the efforts described in the FRIP. Each Annual Report will describe the extent of the FRSG monitoring efforts.

The LCHD Lakes Management Unit has been collecting water quality data on Lake County lakes since the late 1960s. Since 2000, 176 different lakes each year have been studied and data collected on temperature, dissolved oxygen, phosphorus, nitrogen, solids, pH, alkalinity, chloride, conductivity, water clarity, the plant community and shoreline characteristics.

Inland Beaches are monitored bimonthly from May to September by Lake County Health Department's Lake Management Unit (LMU). Bacteria concentrations at inland beaches and recreational areas resulting in high concentrations of E coli bacteria are the basis of swim bans. The IEPA uses the number and duration of swim bans to assess whether or not the beaches support designated uses for primary contact recreation.

Part III. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fines and imprisonment.

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

Jim Jorgensen \_\_\_\_\_ Title HWY \_\_\_\_\_  
Authorized Representative Name

Jim Jorgensen \_\_\_\_\_ Date Feb 19 2021 \_\_\_\_\_  
Authorized Representative Signature

You may complete this form online and save a copy locally before printing and signing the form. It should then be sent to:

Illinois Environmental Protection Agency  
Bureau of Water  
Division of Water Pollution Control  
Attn: Permit Section  
P.O. Box 19276  
1021 North Grand Avenue East  
Springfield, IL 62794-9276

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