



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: City of North Chicago MS4 #: ILR40-0402
 Population (based on 2010 census): 32,574
2. MS4 Mailing Address: 1850 Lewis Avenue City: North Chicago, IL Zip: 60064
3. Primary MS4 Contact Person (Authorized Representative for MS4 Permit)
 Name: Steve Cieslica, P.E. Title: City Engineer
 Phone: 847-596-8650 Email Address: s.cieslica@trotter-inc.com

General Information

4. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:
 Latitude: 42 19 48 Longitude: 87 51 00
 Degrees Minutes Seconds Degrees Minutes Seconds
5. Community Type: City Other: _____
6. Name(s) of governmental entity(ies) in which MS4 is located:
- | City/Village | Township | County |
|---------------|-----------------------------|-------------|
| North Chicago | Waukegan & Shields Township | Lake County |
7. Area of land within your MS4 in square miles: 6
8. Percent of MS4 served by combined sewer: _____ Percent of MS4 served by separate sewer: 100%

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?
Pettibone Creek/Lake Michigan	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Skokie River - North Branch of Chicago River	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Waukegan River	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

- 9a. If impaired, which potential causes and source?
 Causes: Medium Priority - Chemicals and Fecal Coliform Source: 303d
- 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?: Lake County, IL

Which minimum control measurements is the other MS4 responsible for?

Public Education and Outreach

Construction Site Runoff Control

Public Participation/Involvement

Post-Construction Runoff Control

Illicit Discharge Detection and Elimination

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: _____ Title: _____

Phone: _____ Email: _____

Area of Responsibility: _____

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: 2003

Frequency of each BMP program: Annual

Qualifying Local Programs

The City of North Chicago intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below.

Please note that the current version of the Illinois Environmental Protection Agency's General NPDES Permit No.ILR40 (Permit) is scheduled to expire on March 31,2022,and that the new version of the Permit, under which coverage is currently being sought through the submittal of this Notice of Intent (NOI),has not yet been released to the public. Although it is difficult to predict the changes that the Illinois Environmental Protection Agency (IEPA) will make to the new version of the Permit, both the QLP and the MS4 remain committed to performing activities related to each of the six MCMs described in the current version of the Permit.

Qualifying Local Program:

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 Education and Outreach. Following the expiration of the current version of the Permit on March 31, 2022, SMC plans to continue to perform a variety of activities related to the Public Education and Outreach MCM.

MS4 Stormwater Management Program:

As part of its stormwater management program, the City of North Chicago conducts a number of Public Education and Outreach activities that educate and inform the public about the impacts of storm water runoff on receiving water bodies and the steps that the public can take to reduce those impacts. In coordination and collaboration with the QLP, the City of North Chicago utilizes a variety of best management practices (BMPs) to educate and inform the public about these issues, including: distributing paper material containing information about stormwater management; sponsoring and/or attending community outreach events, including meetings, to provide information about stormwater management: publicizing household hazardous waste collection events sponsored by the Solid Waste Agency of Lake County (SWALCO) to encourage the public to participate in such events; upon request, providing classroom education on stormwater management to local students and teachers: upon request, providing training and information to local students and teachers interested in conducting storm drain stenciling; and, providing, on its website, information about stormwater management and its stormwater management program.

A.1 Distributed Paper Material

Brief Description of BMP

City of North Chicano is working in conjunction with the Lake County Storm Management Commission (SMC) in the development and implementation of their stormwater management programs by performing activities related to the Public Education and Outreach MCM

Measurable Goals, including frequencies

Publish stormwater information on the City website along with providing information on activities and provide a variety of materials related to stormwater management.

Milestones

Year 1: Continue annual website posting of articles and provide a variety of materials related to stormwater management.

Year 2: Continue annual website posting of articles and provide a variety of materials related to stormwater management.

Year 3: Continue annual website posting of articles and provide a variety of materials related to stormwater management.

Year 4: Continue annual website posting of articles and provide a variety of materials related to stormwater management.

Measurable Goals (include shared responsibilities)

Year 5: Continue annual website posting of articles and provide a variety of materials related to stormwater management.

Additional Info

BMP Number: _____

[Empty box for additional information]

A.2 Speaking Engagement

Brief Description of BMP

City of North Chicano is working in conjunction with the Lake County Storm Management Commission (SMC) to provide information on Municipal Advisory Committee (MAC) meetings. And upon request, the SMC will provide educational presentations related to IEPA's NPDES Stormwater Program to Lake County MS4s.

Measurable Goals, including frequencies

The City of North Chicago will continue to update the public on information regarding the Municipal Advisory Committee (MAC) meetings and will make information available on how to request educational presentations related to IEPA's NPDES Stormwater Program to Lake County MS4s.

Milestones

Year 1: Update the public on information regarding the Municipal Advisory Committee (MAC) meetings and educational presentations.

Year 2: Update the public on information regarding the Municipal Advisory Committee (MAC) meetings and educational presentations.

Year 3: Update the public on information regarding the Municipal Advisory Committee (MAC) meetings and educational presentations.

Year 4: Update the public on information regarding the Municipal Advisory Committee (MAC) meetings and educational presentations.

Year 5: Update the public on information regarding the Municipal Advisory Committee (MAC) meetings and educational presentations.

Additional Info

BMP Number: _____

[Empty box for additional information]

A.3 Public Service Announcement

Brief Description of BMP

The City of North Chicago and SMC will utilize social media to reach out to additional target audiences. Both Facebook and Twitter feeds are updated to include relevant water quality information and promote educational opportunities across the County.

Measurable Goals, including frequencies

The City of North Chicago will continue to utilize social media to reach out to additional target audiences and will provide information on SMC's quarterly newsletter, "Mainstream," which is updated at least once each year.

Milestones

Year 1: Continue to utilize social media to reach out to additional target audiences and provide information on SMC's quarterly newsletter, "Mainstream".

- Year 2: Continue to utilize social media to reach out to additional target audiences and provide information on SMC's quarterly newsletter, "Mainstream".
- Year 3: Continue to utilize social media to reach out to additional target audiences and provide information on SMC's quarterly newsletter, "Mainstream".
- Year 4: Continue to utilize social media to reach out to additional target audiences and provide information on SMC's quarterly newsletter, "Mainstream".
- Year 5: Continue to utilize social media to reach out to additional target audiences and provide information on SMC's quarterly newsletter, "Mainstream".

Additional Info

BMP Number: _____

- A.4 Community Event
- A.5 Classroom Education Material
- A.6 Other Public Education

Brief Description of BMP

The City of North Chicago publishes stormwater information on its website along with a link to the SMC website which provides information about IEPA's NPDES Stormwater Program, provide information about stormwater best management practices, and allows for download of stormwater management-related publications and documents, provides notices of upcoming meetings and ongoing projects, includes watershed plans and watershed work group information, and provides links to a number of other stormwater management-related resources.

Measurable Goals, including frequencies

The City of North Chicago will update their stormwater information on the City website at a minimum of each year along with providing a link to the SMC website.

Milestones

- Year 1: Update their stormwater information on City website yearly along with providing a link to the SMC website.
- Year 2: Update their stormwater information on City website yearly along with providing a link to the SMC website.
- Year 3: Update their stormwater information on City website yearly along with providing a link to the SMC website.
- Year 4: Update their stormwater information on City website yearly along with providing a link to the SMC website.
- Year 5: Update their stormwater information on City website yearly along with providing a link to the SMC website.

Additional Info

BMP Number: _____

B. Public Participation/Involvement

Approximate date first implemented: 2003 Frequency of each BMP program: Annual

Qualifying Local Programs

Measurable Goals (include shared responsibilities)

- B.2 Educational Volunteer
- B.3 Stakeholder Meeting
- B.4 Public Hearing
- B.5 Volunteer Monitoring
- B.6. Program Involvement
- B.7 Other Public Involvement

Brief Description of BMP

The City of North Chicago will provide a contact number that residents can call to report stormwater related issues, including ordinance violations, construction site soil/erosion control violations, maintenance issues, and illicit discharges.

Measurable Goals, including frequencies

Inform all residents of the existence of a contact number on the City's website.

Milestones

Year 1: Publish contact number on website.

Year 2: Publish contact number on website.

Year 3: Publish contact number on website.

Year 4: Publish contact number on website.

Year 5: Publish contact number on website.

Additional Info

BMP Number: _____

C. Illicit Discharge Detection and Elimination

Approximate date first implemented: 2003 Frequency of each BMP program: Annual

Qualifying Local Programs

Measurable Goals (include shared responsibilities)

C.1 Sewer Map Preparation

Brief Description of BMP

The City has a digital (GIS) storm sewer atlas that includes all existing outfalls, receiving waters, and storm sewer pipes.

Measurable Goals, including frequencies

Update the GIS storm sewer atlas as new developments are constructed in the City.

Milestones

Year 1: Update GIS storm sewer atlas as needed.

Year 2: Update GIS storm sewer atlas as needed.

Year 3: Update GIS storm sewer atlas as needed.

Year 4: Update GIS storm sewer atlas as needed.

Year 5: Update GIS storm sewer atlas as needed.

Additional Info

BMP Number: _____

C.2 Regulatory Control Program

Brief Description of BMP

The City of North Chicago adopted an Illicit Discharge Detection Ordinance. In addition, the City adopted the Lake County Stormwater Management Ordinance to prohibit non-storm water discharges into the City's storm sewer system.

Measurable Goals, including frequencies

Enforce the Illicit Discharge Detection Ordinance.

Milestones

Year 1: Enforce the Illicit Discharge Detection Ordinance.

Year 2: Enforce the Illicit Discharge Detection Ordinance.

Year 3: Enforce the Illicit Discharge Detection Ordinance.

Year 4: Enforce the Illicit Discharge Detection Ordinance.

Year 5: Enforce the Illicit Discharge Detection Ordinance.

Additional Info

BMP Number: _____

[Empty text box for additional information]

C.3 Detection/Elimination Prioritization Plan

C.4 Illicit Discharge Tracing Procedures

Brief Description of BMP

The City of North Chicago developed procedures for tracing illicit discharges identified through a dry-weather screening program, regular storm sewer maintenance, and from public reporting. The City implements the tracing program for all discharges identified. Efforts to locate illicit discharges will be documented.

Measurable Goals, including frequencies

Investigate all illicit discharges identified and document City efforts in tracing illicit discharges.

Milestones

Year 1: Continue tracing program for all discharges identified.

Year 2: Continue tracing program for all discharges identified.

Year 3: Continue tracing program for all discharges identified.

Year 4: Continue tracing program for all discharges identified.

Year 5: Continue tracing program for all discharges identified.

Additional Info

BMP Number: _____

[Empty text box for additional information]

C.5 Illicit Source Removal Procedures

Brief Description of BMP

The City of North Chicago developed procedures for removing illicit discharges identified through the illicit discharge tracing program. The City enforces full implementation of illicit discharge removal procedures.

Measurable Goals, including frequencies

Disconnect any illicit discharge source that can be identified through the tracing program.

Milestones

Year 1: Full implementation of illicit discharge removal procedures.

Year 2: Full implementation of illicit discharge removal procedures.

Year 3: Full implementation of illicit discharge removal procedures.

Year 4: Full implementation of illicit discharge removal procedures.

Year 5: Full implementation of illicit discharge removal procedures.

Additional Info

BMP Number: _____

[Empty text box for additional information]

C.6 Program Evaluation and Assessment

C.7 Visual Dry Weather Screening

Brief Description of BMP

The City of North Chicago conducts annual dry weather screening of a portion of the outfalls to receiving waters to identify any illicit discharges. Also, screening will be conducted for storm sewer structures during routine sewer maintenance.

Measurable Goals, including frequencies

Annual screening of a portion of storm sewer outfalls. Screening of storm sewer structures during routine maintenance.

Milestones

Year 1: Continue outfall screening and implement structure screening during routine maintenance.

Year 2: Continue outfall screening and implement structure screening during routine maintenance.

Year 3: Continue outfall screening and implement structure screening during routine maintenance.

Year 4: Continue outfall screening and implement structure screening during routine maintenance.

Year 5: Continue outfall screening and implement structure screening during routine maintenance.

Additional Info

BMP Number: _____

[Empty text box for additional information]

C.8 Pollutant Field Testing

C.9 Public Notification

C.10 Other Illicit Discharge Controls

D. Construction Site Runoff Control

Approximate date first implemented: 2002 Frequency of each BMP program: Annual

Qualifying Local Programs

[Empty text box for qualifying local programs]

D.1 Regulatory Control Program

Brief Description of BMP

Construction of site erosion and sediment control is currently addressed the City of North Chicago's Subdivision

Measurable Goals (include shared responsibilities)

Ordinance No. 789 and by the Lake County Stormwater Management Ordinance, which was adopted by the City which requires an erosion and sediment control plan, site inspection and enforcement of control measures, and sanctions to ensure compliance. The City of North Chicago Subdivision Ordinance requires the control of wastes at construction sites that could cause adverse impacts to water quality, and requires that all regulated construction sites have a stormwater pollution prevention plan that meets or exceeds the listed requirements including management practices, controls, and other provisions at least as protective as the requirements contained in the Illinois Urban Manual, 2002. The City of North Chicago currently considers water quality in its site plan review procedures and site inspection and enforcement of control measures.

Measurable Goals, including frequencies

Implement site plan review, inspection, and enforcement of control measures for all site plans.

Milestones

Year 1: Continue to implement procedures for site plan review, site inspection, and enforcement of control measures.

Year 2: Continue to implement procedures for site plan review, site inspection, and enforcement of control measures.

Year 3: Continue to implement procedures for site plan review, site inspection, and enforcement of control measures.

Year 4: Continue to implement procedures for site plan review, site inspection, and enforcement of control measures.

Year 5: Continue to implement procedures for site plan review, site inspection, and enforcement of control measures.

Additional Info

BMP Number: _____

[Empty box for BMP Number]

- D.2 Erosion and Sediment Control BMPs
- D.3 Other Waste Control Program
- D.4 Site Plan Review Procedures
- D.5 Public Information Handling Procedures
- D.6 Site Inspection/Enforcement Procedures
- D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Approximate date first implemented: 2003 Frequency of each BMP program: Annual

Qualifying Local Programs

[Empty box for Qualifying Local Programs]

Measurable Goals (include shared responsibilities)

- E.1 Community Control Strategy
- E.2 Regulatory Control Program

Brief Description of BMP

The City of North Chicago's post-construction stormwater management for new development and redevelopment projects is currently addressed in the Subdivision Ordinance and in the adopted Lake County Stormwater Management Ordinance. Lake County Stormwater Management Ordinance address volume and quality control for stormwater runoff from finished development projects that have disturbed from one acres to five acres and greater in size. It includes provisions that require: controls to prevent or minimize water quality impacts, implementation of structural and non-

structural BMP's, provisions to ensure long-term operation and maintenance of BMP's, site inspections during construction, and post-construction inspections. Beecher's Subdivision Ordinance requires all construction sites disturbing a land area of one acre or greater, including projects less than one acre that are part of a larger common plan of development or sale, and that discharge to the City's storm sewer system, be regulated. The City of North Chicago's ordinance also requires that all regulated construction sites have post-construction management that meets or exceeds the requirements of Section IV (D)(2)(b) of NPDES permit No. ILR10 including management practices, controls, and other provisions at least as protective as the requirements contained in the Illinois Urban Manual, 2002.

Measurable Goals, including frequencies

Inspect all sites during and after construction. Enforce the City of North Chicago's Subdivision Ordinance and the Lake County Stormwater Management Ordinance.

Milestones

Year 1: Continue to inspect all sites during and after construction. Enforce the City of North Chicago's Subdivision Ordinance and the Lake County Stormwater Management Ordinance.

Year 2: Continue to inspect all sites during and after construction. Enforce the City of North Chicago's Subdivision Ordinance and the Lake County Stormwater Management Ordinance.

Year 3: Continue to inspect all sites during and after construction. Enforce the City of North Chicago's Subdivision Ordinance and the Lake County Stormwater Management Ordinance.

Year 4: Continue to inspect all sites during and after construction. Enforce the City of North Chicago's Subdivision Ordinance and the Lake County Stormwater Management Ordinance.

Year 5: Continue to inspect all sites during and after construction. Enforce the City of North Chicago's Subdivision Ordinance and the Lake County Stormwater Management Ordinance.

Additional Info

BMP Number: _____

[Empty box for BMP Number]

- E.3 Long Term O & M Procedures
- E.4 Pre-Construction Review of BMP Designs
- E.5 Site Inspections During Construction
- E.6 Post-Construction Inspections
- E.7 Other Post-Construction Runoff Controls

F. Pollution Prevention/Good Housekeeping

Approximate date first implemented: 2003 Frequency of each BMP program: Annual

Qualifying Local Programs

[Empty box for Qualifying Local Programs]

- F.1 Employee Training Program

Brief Description of BMP

The City of North Chicago currently conducts employee training for municipal operations and safety. A training program to educate staff on prevention and reduction of stormwater pollution from municipal activities has been incorporated into the City's existing training program. This program addresses activities such as park and open space maintenance, fleet and building maintenance, operation of storage yards, snow disposal, new construction and land disturbances, storm water system maintenance procedures for proper disposal of street cleaning debris and catch basin materials, and addresses ways that flood management projects impact water quality, nonpoint source pollution control, and aquatic habitats. This program also addresses the hazards associated with illegal discharges and improper disposal of waste.

Measurable Goals (include shared responsibilities)

Measurable Goals, including frequencies

Conduct annual training to educate City staff on prevention and reduction of stormwater pollution from City activities.

Milestones

Year 1: Continue employee training program.

Year 2: Continue employee training program.

Year 3: Continue employee training program.

Year 4: Continue employee training program.

Year 5: Continue employee training program.

Additional Info

BMP Number: _____

[Empty box for additional information]

F.2 Inspection and Maintenance Program

Brief Description of BMP

The City conducts a regular inspection and maintenance program to reduce pollutant runoff from municipal operations, and evaluates its effectiveness. The program modified based on that evaluation if needed. The program includes: sweeping of all City streets at least once per year, jetting storm sewers as needed, and cleaning the associated catch basins, inspecting and cleaning catch basins after large storms, regrading ditches approximately every 10 years, and mowing and maintaining three dry bottom detention ponds.

Measurable Goals, including frequencies

Implement and review of the maintenance program to determine effectiveness, annually.

Milestones

Year 1: Implement and review the maintenance program to determine effectiveness.

Year 2: Implement and review the maintenance program to determine effectiveness.

Year 3: Implement and review the maintenance program to determine effectiveness.

Year 4: Implement and review the maintenance program to determine effectiveness.

Year 5: Implement and review the maintenance program to determine effectiveness.

Additional Info

BMP Number: _____

[Empty box for additional information]

F.3 Municipal Operations Storm Water Control

Brief Description of BMP

The City of North Chicago has policies designed to prevent stormwater pollution associated with city operations. Road

salt is stored in a dedicated structure. Flammable and hazardous chemicals are stored in fireproof metal cabinets. Chlorine gas used to disinfect drinking water is stored per Title 3 chemical safety standards. The policies described above were incorporated into a formal City Pollution Prevention Program. This program will be evaluated to determine its effectiveness and modified as necessary.

Measurable Goals, including frequencies

Annual review of program to determine effectiveness.

Milestones

Year 1: Evaluate effectiveness of City Pollution Prevention Plan.

Year 2: Evaluate effectiveness of City Pollution Prevention Plan.

Year 3: Evaluate effectiveness of City Pollution Prevention Plan.

Year 4: Evaluate effectiveness of City Pollution Prevention Plan.

Year 5: Evaluate effectiveness of City Pollution Prevention Plan.

Additional Info

BMP Number: _____

F.4 Municipal Operations Waste Disposal

Brief Description of BMP

Wastes are stored in appropriate containers for disposal. The City of North Chicago transports used vehicle oil to a local service station for recycling.

Measurable Goals, including frequencies

Annually, store wastes in appropriate containers for disposal. Implement good housekeeping procedures. Transport all used vehicle oil to a local service station for recycling.

Milestones

Year 1: Store wastes in appropriate containers for disposal. Implement good housekeeping procedures. Transport all used vehicle oil to a local service station for recycling.

Year 2: Store wastes in appropriate containers for disposal. Implement good housekeeping procedures. Transport all used vehicle oil to a local service station for recycling.

Year 3: Store wastes in appropriate containers for disposal. Implement good housekeeping procedures. Transport all used vehicle oil to a local service station for recycling.

Year 4: Store wastes in appropriate containers for disposal. Implement good housekeeping procedures. Transport all used vehicle oil to a local service station for recycling.

Year 5: Store wastes in appropriate containers for disposal. Implement good housekeeping procedures. Transport all used vehicle oil to a local service station for recycling.

Additional Info

BMP Number: _____

F.5 Flood Management/Assess Guidelines

F.6 Other Municipal Operations Controls

BMPs Currently Implemented and Proposed

BMP Number	Location
See BMPs above	

Approximate Pollutant Reduction Resulting from each BMP

BMP Number	Pollutant	Reduction
Undetermined		

Instream Monitoring Program

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

Is an instream monitoring program currently being proposed? Yes No

Sediment Monitoring

Is sediment monitoring currently taking place? Yes No

Sample Monitoring of Outfalls

Is sample monitoring of outfalls currently taking place? Yes No

Other Monitoring

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

Visual monitoring of City storm drain system outfalls.

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)).

Steve Cieslica, P.E.


Authorized Representative Name

City Engineer

Title



Authorized Representative Signature



Date

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.