



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: Village of Wonder Lake MS4 #: ILR40
 Population (based on 2010 census): 4,026
2. MS4 Mailing Address: 4444 Thompson Road City: Wonder Lake, IL Zip: 60097
3. Primary MS4 Contact Person (Authorized Representative for MS4 Permit)
 Name: Steven G. Zehner, P.E. Title: Village Engineer
 Phone: (815) 394-9050 Email Address: szechner@reltd.com

General Information

4. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:
 Latitude: 42 23 07 Longitude: 88 21 14
 Degrees Minutes Seconds Degrees Minutes Seconds
5. Community Type: Village Other: _____
6. Name(s) of governmental entity(ies) in which MS4 is located:
- | City/Village | Township | County |
|--------------|-----------|---------|
| Wonder Lake | Greenwood | McHenry |
| | McHenry | |
7. Area of land within your MS4 in square miles: 5.93
8. Percent of MS4 served by combined sewer: 0 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?
Wonder Lake	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Nippersink Creek	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Troy Creek	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Merchant Creek	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Barber Creek	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

Causes: Phosphorus (T), Fecal Coliform, Aquatic Life Source: Pathogens, pesticides, noxious aquatic plants

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

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: Jacob C. Wellbank, P.E. Title: Project Engineer

Phone: (815) 412-2723 Email: jwellbank@reltd.com

Area of Responsibility: Program Implementation

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: 2000's Frequency of each BMP program: Continuous

Qualifying Local Programs

McHenry County serves as a qualifying local program (QLP) to the Village. The QLP utilizes a variety of methods to educate and provide outreach to the public about the importance of managing pollutants that potentially could enter the stormwater system. The QLP program includes the following activities: Distribute information sheets and brochures regarding stormwater BMPs, water quality, BMPs, and proper hazardous waste use and disposal; Maintain a water quality/stormwater section in the County online newsletter distributed by the County; Attend/sponsor outreach activities to homeowners/property owner associations, commercial/industrial facilities, schools, and other events; Publicize and participate in local fairs and expos; Maintain the County website, which offers links to additional educational information and ways to contact County personnel; and advise on the potential impacts and effects on stormwater discharge due to climate change.

Measurable Goals (include shared responsibilities)

- A.1 Distributed Paper Material

Brief Description of BMP

The Village hosts educational material on its website but makes paper copies of stormwater-related material available upon request from a resident. Articles pertaining to stormwater quality and education are distributed in Village newsletters.

Measurable Goals, including frequencies

Website uptime and quantity of articles in newsletter.

Milestones

- Year 1: Maintain website and stormwater article in newsletter.
- Year 2: Maintain website and stormwater article in newsletter.
- Year 3: Maintain website and stormwater article in newsletter.
- Year 4: Maintain website and stormwater article in newsletter.
- Year 5: Maintain website and stormwater article in newsletter.

Additional Info

BMP Number: _____

N/A

- A.2 Speaking Engagement
- A.3 Public Service Announcement
- A.4 Community Event
- A.5 Classroom Education Material
- A.6 Other Public Education

Brief Description of BMP

The Village website contains information and hyperlinks concerning environmental protection and awareness.

Measurable Goals, including frequencies

Website uptime and page visits.

Milestones

Year 1: Maintain website.

Year 2: Maintain website.

Year 3: Maintain website.

Year 4: Maintain website.

Year 5: Maintain website.

Additional Info

BMP Number: _____

N/A

B. Public Participation/Involvement

Approximate date first implemented: 2000's Frequency of each BMP program: Continuous

Qualifying Local Programs

McHenry County serves as a qualifying local program (QLP) to the Village. The McHenry County Adopt-A-Highway Program is a volunteer effort directed at trash collection along sections of County highways. Volunteer groups adopt 1/2 to two-mile sections of highway for a two-year period. As of February 29, 2020, there were 143 active volunteer groups covering at least 147 of the 213.5 adoptable centerline miles available, resulting in 68.9% of MCDOT adoptable miles being maintained.

One of the QLP's goals is to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage infrastructure. The MCDOT uses CarteGraph software to improve the tracking, record keeping, and locating of citizen complaints. When complaints are received, they are turned into CarteGraph work requests which notifies by email the appropriate maintenance, drainage, or construction personnel. The County also maintains a website that provides contact information. The McHenry County Department of Health responds to complaints of illicit discharges. The Department of Health also utilizes an answering service so that key staff can be reached 24 hours a day, seven days a week for emergency situations. Complaints of illicit discharges that are outside the authority of the Department of Health are referred to the Illinois Environmental Protection Agency for action and follow up.

Measurable Goals (include shared responsibilities)

B.2 Educational Volunteer

B.3 Stakeholder Meeting

B.4 Public Hearing

Brief Description of BMP

The Village holds informal public meetings as part of a Village Board Meeting to inform the public about such topics as stormwater, flooding, pollution control, etc. A public comment period is provided during each Board Meeting for residents to voice any stormwater concerns to the Board.

Measurable Goals, including frequencies

Number of attendees/participants.

Milestones

Year 1: Annual public meeting.

Year 2: Annual public meeting.

Year 3: Annual public meeting.

Year 4: Annual public meeting.

Year 5: Annual public meeting.

Additional Info

BMP Number: _____

N/A

B.5 Volunteer Monitoring

B.6. Program Involvement

Brief Description of BMP

The Village holds a community leaf pickup program annually in October and November.

Measurable Goals, including frequencies

Pickup frequency, annually or as necessary

Milestones

Year 1: Annual leaf pickup.

Year 2: Annual leaf pickup.

Year 3: Annual leaf pickup.

Year 4: Annual leaf pickup.

Year 5: Annual leaf pickup.

Additional Info

BMP Number: _____

N/A

B.7 Other Public Involvement

C. Illicit Discharge Detection and Elimination

Approximate date first implemented: 2000's

Frequency of each BMP program: Continuous

Qualifying Local Programs

The County Department of Health investigates complaints of illicit discharges under the authority of the McHenry County Public Health Ordinance. Complaints of illicit discharges that are outside the authority of the Department of Health are referred to the Illinois Environmental Protection Agency for action and follow up. McHenry County Planning and Development maintains a suite of codes and ordinances with staff and an Enforcement Officer to investigate possible illegal discharges in unincorporated areas of McHenry County. State and local law effectively prohibit through regulatory mechanism all non-stormwater discharges into the County's area covered by the MS4 permit. These regulatory controls are McHenry County's qualifying local program for fulfilling MCM C2.

The QLP provides an Illicit Discharge Detection and Elimination prioritization plan, tracing, and removal methods to fulfill MCM C3, C4, and C5. The tracing methods are contained in the County's SMPP.

Measurable Goals (include shared responsibilities)

C.1 Sewer Map Preparation

Brief Description of BMP

The Village's storm sewer map is made available upon request and is continually updated, as necessary, as improvements to the system are constructed.

Measurable Goals, including frequencies

Review for updates annually, as necessary.

Milestones

Year 1: Maintain and update storm sewer map.

Year 2: Maintain and update storm sewer map.

Year 3: Maintain and update storm sewer map.

Year 4: Maintain and update storm sewer map.

Year 5: Maintain and update storm sewer map.

Additional Info

BMP Number: _____

N/A

C.2 Regulatory Control Program

Brief Description of BMP

The Village has adopted an Illicit Discharge and Connection Ordinance that prohibits non-stormwater discharges into the Village's storm sewer system and includes enforcement procedures and penalties for violations.

Measurable Goals, including frequencies

Quantity of calls received regarding illicit discharge concerns.

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: _____

N/A

C.3 Detection/Elimination Prioritization Plan

Brief Description of BMP

The Village has adopted an Illicit Discharge and Connection Ordinance that prohibits non-stormwater discharges into the Village's storm sewer system and includes enforcement procedures and penalties for violations. The ordinance provides the Village the regulatory authority to enforce illicit discharge removal.

Measurable Goals, including frequencies

Quantity of calls illicit discharges discovered and removed.

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: _____

N/A

C.4 Illicit Discharge Tracing Procedures

Brief Description of BMP

The Village has adopted an Illicit Discharge and Connection Ordinance that prohibits non-stormwater discharges into the Village's storm sewer system and includes enforcement procedures and penalties for violations. The ordinance provides the Village the regulatory authority to enforce illicit discharge removal.

Measurable Goals, including frequencies

Quantity of calls illicit discharges discovered and removed.

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: _____

N/A

C.5 Illicit Source Removal Procedures

Brief Description of BMP

The Village has adopted an Illicit Discharge and Connection Ordinance that prohibits non-stormwater discharges into the Village's storm sewer system and includes enforcement procedures and penalties for violations. The ordinance provides the Village the regulatory authority to enforce illicit discharge removal.

Measurable Goals, including frequencies

Quantity of calls illicit discharges discovered and removed.

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: _____

N/A

C.6 Program Evaluation and Assessment

C.7 Visual Dry Weather Screening

C.8 Pollutant Field Testing

C.9 Public Notification

Brief Description of BMP

Information on the Village website concerning illicit discharges describes how to properly dispose of materials which would otherwise be detrimental to the environment if dumped in the storm sewer. Additional information is also made available at Village Hall.

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: _____

N/A

C.10 Other Illicit Discharge Controls

Brief Description of BMP

The Village conducts visual inspections of known outfalls from its MS4 for illicit discharges during periods of dry weather.

Measurable Goals, including frequencies

Conduct dry weather inspections of outfalls annually and document.

Milestones

Year 1: Conduct dry weather inspections of outfalls annually and document.

Year 2: Conduct dry weather inspections of outfalls annually and document.

Year 3: Conduct dry weather inspections of outfalls annually and document.

Year 4: Conduct dry weather inspections of outfalls annually and document.

Year 5: Conduct dry weather inspections of outfalls annually and document.

Additional Info

BMP Number: _____

N/A

D. Construction Site Runoff Control

Approximate date first implemented: 2000's _____ Frequency of each BMP program: Continuous _____

Qualifying Local Programs

The McHenry County Stormwater Management Ordinance (SMO) is the QLP regulatory program that contains requirements for erosion and sediment control, site plan review procedures, site inspections, and enforcement procedures.

D.1 Regulatory Control Program

Brief Description of BMP

The Village has adopted the latest SMO and enforces the SMO through the plan review and site inspection process.

Measurable Goals (include shared responsibilities)

Measurable Goals, including frequencies

Ensure construction sites within the Village comply with the regulations contained in the SMO.

Milestones

Year 1: Enforce the SMO through the plan review and construction inspection process.

Year 2: Enforce the SMO through the plan review and construction inspection process.

Year 3: Enforce the SMO through the plan review and construction inspection process.

Year 4: Enforce the SMO through the plan review and construction inspection process.

Year 5: Enforce the SMO through the plan review and construction inspection process.

Additional Info

BMP Number: _____

N/A

D.2 Erosion and Sediment Control BMPs

Brief Description of BMP

As described above, the Village has adopted the latest SMO and enforces the SMO through the plan review and site inspection process.

Measurable Goals, including frequencies

Ensure construction sites within the Village comply with the regulations contained in the SMO.

Milestones

Year 1: Enforce the SMO through the plan review and construction inspection process.

Year 2: Enforce the SMO through the plan review and construction inspection process.

Year 3: Enforce the SMO through the plan review and construction inspection process.

Year 4: Enforce the SMO through the plan review and construction inspection process.

Year 5: Enforce the SMO through the plan review and construction inspection process.

Additional Info

BMP Number: _____

N/A

D.3 Other Waste Control Program

D.4 Site Plan Review Procedures

Brief Description of BMP

As described above, the Village has adopted the latest SMO and enforces the SMO through the plan review and site inspection process.

Measurable Goals, including frequencies

Ensure construction sites within the Village comply with the regulations contained in the SMO.

Milestones

Year 1: Enforce the SMO through the plan review and construction inspection process.

Year 2: Enforce the SMO through the plan review and construction inspection process.

Year 3: Enforce the SMO through the plan review and construction inspection process.

Year 4: Enforce the SMO through the plan review and construction inspection process.

Year 5: Enforce the SMO through the plan review and construction inspection process.

Additional Info

BMP Number: _____

N/A

D.5 Public Information Handling Procedures

D.6 Site Inspection/Enforcement Procedures

Brief Description of BMP

As described above, the Village has adopted the latest SMO and enforces the SMO through the plan review and site inspection process.

Measurable Goals, including frequencies

Ensure construction sites within the Village comply with the regulations contained in the SMO.

Milestones

Year 1: Enforce the SMO through the plan review and construction inspection process.

Year 2: Enforce the SMO through the plan review and construction inspection process.

Year 3: Enforce the SMO through the plan review and construction inspection process.

Year 4: Enforce the SMO through the plan review and construction inspection process.

Year 5: Enforce the SMO through the plan review and construction inspection process.

Additional Info

BMP Number: _____

N/A

D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Approximate date first implemented: 2000's Frequency of each BMP program: Continuous

Qualifying Local Programs

The McHenry County Stormwater Management Ordinance (SMO) is the QLP regulatory program that contains requirements for construction site and post-development stormwater runoff control and reduction, pre-construction review of BMP designs, and site inspections during construction and post-construction.

Measurable Goals (include shared responsibilities)

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

Brief Description of BMP

As described above, the Village has adopted the latest SMO and enforces the SMO through the plan review and site inspection process.

Measurable Goals, including frequencies

Ensure construction sites within the Village comply with the regulations contained in the SMO.

Milestones

- Year 1: Enforce the SMO.
- Year 2: Enforce the SMO.
- Year 3: Enforce the SMO.
- Year 4: Enforce the SMO.
- Year 5: Enforce the SMO.

Additional Info

BMP Number: _____

N/A

- E.3 Long Term O & M Procedures

Brief Description of BMP

As described above, the Village has adopted the latest SMO and enforces the SMO through the plan review and site inspection process.

Measurable Goals, including frequencies

Ensure construction sites within the Village comply with the regulations contained in the SMO.

Milestones

- Year 1: Enforce the SMO.
- Year 2: Enforce the SMO.
- Year 3: Enforce the SMO.
- Year 4: Enforce the SMO.
- Year 5: Enforce the SMO.

Additional Info

BMP Number: _____

N/A

- 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: 2000's Frequency of each BMP program: Continuous

Qualifying Local Programs

The QLP offers training sessions on topics related to the goals and objectives of the SMPP. The materials focus on pollution prevention measures and practices involved in routine maintenance activities.

The QLP will also collect roadkill from right-of-way areas upon receiving notification.

Measurable Goals (include shared responsibilities)

- F.1 Employee Training Program

Brief Description of BMP

The Village conducts employee training to educate staff on prevention and reduction of stormwater pollution from municipal activities. Training includes topics such as proper disposal of oil, salt storage, snow plowing, and other items. Appropriate employees are provided a refresher training or information to reinforce the established pollution prevention measures in place. This may involve informal field meetings or the use of various videos applicable to the subject matter.

Measurable Goals, including frequencies

Conduct a training session at least annually for applicable employees.

Milestones

- Year 1: Annual training.
- Year 2: Annual training.
- Year 3: Annual training.
- Year 4: Annual training.
- Year 5: Annual training.

Additional Info

BMP Number: _____

N/A

- F.2 Inspection and Maintenance Program

Brief Description of BMP

The Village conducts regular inspections and maintenance of Village-owned stormwater conveyance facilities and structures.

Measurable Goals, including frequencies

Implement good housekeeping provisions of the 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: _____

N/A

F.3 Municipal Operations Storm Water Control

Brief Description of BMP

The SMPP is the Village's formal stormwater pollution prevention plan, and the SMPP is reviewed and updated annually, as necessary.

Measurable Goals, including frequencies

Conduct annual review of SMPP and track deficiencies and modifications.

Milestones

Year 1: Review and update SMPP annually.

Year 2: Review and update SMPP annually.

Year 3: Review and update SMPP annually.

Year 4: Review and update SMPP annually.

Year 5: Review and update SMPP annually.

Additional Info

BMP Number: _____

N/A

F.4 Municipal Operations Waste Disposal

F.5 Flood Management/Assess Guidelines

F.6 Other Municipal Operations Controls

BMP Number	Location
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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

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.

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)).

Steven G. Zehner, P.E.

Village Engineer

Authorized Representative Name

Title



5/21/2021

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.