



Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2018 To March, 2019

Permit No. ILR40 0503

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

Name: Village of Wonder Lake Mailing Address 1: 4444 Thompson Road
Mailing Address 2: _____ County: McHenry
City: Wonder Lake State: IL Zip: 60097 Telephone: (815) 394-9050
Contact Person: Steve Zehner, P.E. Email Address: szezhner@reltd.com
(Person responsible for Annual Report)

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

McHenry County

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- | | | | |
|--|--------------------------|---|--------------------------|
| 1. Public Education and Outreach | <input type="checkbox"/> | 4. Construction Site Runoff Control | <input type="checkbox"/> |
| 2. Public Participation/Involvement | <input type="checkbox"/> | 5. Post-Construction Runoff Control | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

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 Zehner
Owner Signature:
Steve Zehner, P.E.
Printed Name:

5-20-19
Date:
Village Engineer
Title:

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

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

Village of Wonder Lake

NPDES Permit No. ILR40 0503

Annual Facility Inspection Report Attachment 1

March 2018 to March 2019

May 31, 2019

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Item F: List of construction projects that your entity has paid for during the reporting period.	5
Sample Documentation for Minimum Control Measures	6+

Any questions or comments regarding this report shall be directed to either of the following:

Steve Zehner, P.E., Robinson Engineering, Ltd., Village Engineer
(815) 394-9050 or szehner@reltd.com



Village of Wonder Lake, NPDES Permit No. ILR40 0503
Annual Facility Inspection Report - Supplemental Information

Item A: Description of Changes to BMPs

No changes in Village BMPs have been made during this cycle.

**Item B: Status of compliance with permit conditions
and assessment of minimum control measures**

The Village believes that the BMPs completed within the reporting period are appropriate for the permit conditions. The status of each BMP is as follows:

Public Education and Outreach

1. A1: Distributed Paper Material

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

2. A6: Other Public Education (Website)

The Village website contains information and hyperlinks concerning environmental protection and awareness. These links include the "Green Guide" from McHenry County Recycling information. The Public Works MS4 Stormwater Certification page also has BMP information on Vehicle and Garage Habits, Lawn and Garden, Shoreline Alterations, Home Repair, Pet Care, and Septic Systems. See the enclosed prints of the Village website pages.

Public Participation and Involvement

3. B4: Public Hearing

The Village has held 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.

4. B6: Program Coordination

The Village continues to implement the community leaf pickup program annually in October and November.

Illicit Discharge Detection and Elimination

5. C1: Storm Sewer Map Preparation & Update

The Village has a Storm Sewer Map on which the outfalls are numbered. The map is available upon request and is continually updated as improvements to the system are made.

6. C2: Regulatory Control Program (Ordinance)

The Village has enforced and will continue to enforce its Illicit Discharge Ordinance (Ordinance No. 391).

7. C3: Detection/Elimination Prioritization Plan

During previous reporting periods, seven water samples were taken from identified sampling location and were analyzed for biochemical oxygen demand and total suspended solids. No samples were taken during this reporting period.

8. C4: Illicit Discharge Tracing Procedures

Tracing procedures have been implemented, but no illicit discharges were reported during this reporting period.

9. C5: Illicit Source Removal Procedures

The Illicit Discharge Detection and Elimination Procedures have been developed and will be implemented as a matter of administrative policy. The procedures are contained in the Village's Stormwater Management Plan which is also available for download from the Village website.

10. C9: Public Notification

The Village website has information concerning illicit discharges and 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. Prints of the applicable resources from the Village website are enclosed.

11. C10: Other Illicit Discharge Controls (Visual Monitoring Inspections)

The Village inspected all outfall points identified on the storm sewer map this reporting period.

Construction Site Runoff Control

12. D1: Regulatory Control Program (Ordinance)

The Village has adopted the latest McHenry County Stormwater Management Ordinance and enforcement of the Ordinance is underway.

13. D2: Erosion and Sediment Control BMPs

Erosion and Sediment Control BMPs are required under the McHenry County Stormwater Management Ordinance. The requirements are enforced through the plan review process.

14. D4: Site Plan Review Procedures

Development projects are reviewed for compliance with local and state ordinances by Village Staff and engineering consultants, especially regarding erosion and sediment control measures. Projects over one acre are required to submit a Notice of Intent and obtain a permit from the IEPA prior to construction and a SWPPP is required with such plan sets. Ordinances are available from the Village upon request.

15. D6: Site Inspection/Enforcement Procedures

Inspection reports are required from developers of active projects. Inspection reports are available upon request from the Village.

Post-Construction Runoff Control

16. E2: Regulatory Control Program (Ordinance)

The Village has adopted the latest McHenry County Stormwater Management Ordinance and enforcement of the Ordinance is underway.

17. E3: Long Term O&M Procedures

These are required and reviewed when applicable during the site plan review process.

Pollution Prevention and Good Housekeeping

18. F1: Employee Training Program

Employee training occurred and stormwater-related issues were discussed at Village Staff meetings. Winter salt application locations and rates were also discussed.

19. F2: Inspection and Maintenance Program – Routine Maintenance

Routine maintenance of Village streets, ditches, storm sewer, and stormwater facilities is part of the Public Works responsibilities. This includes sweeping, vacuuming, jetting, repair, and debris and branch collection, etc.

- a. Catch basins are cleaned as needed during the reporting period;
- b. Storm sewers were inspected and cleaned on an as needed basis during the reporting cycle;

20. F2: Inspection and Maintenance Program – SOP's

Maintenance Yard SOP's and a List of Possible Pollutants are in written form for the Public Works Maintenance Yard. Spill containment materials were purchased and are kept on site.

Operation procedures for winter salt usage have been developed and are included in the Village's procedures manual. The procedure limits the salt application to intersections and critical steep road areas of the Village.

21. F3 & F4: Municipal Operations Storm Water Control & Waste Disposal

Municipal operations programs for stormwater control and waste control are ongoing. The Village performs cleaning and removal of debris in all ditches and creeks, including the removal of litter, beaver dams, etc.

22. F5: Flood Management/Assess Guidelines

The Village Ordinance enforces flood hazard regulations for any development in or near the floodplain.

Item C: Results of information collected and analyzed, monitoring data (if any).

The Village did not collect water samples during this reporting period.

Item D: Summary of stormwater activities you plan to undertake during the next reporting cycle (and implementation schedule).

See the attached summary that is numbered to correspond with the original Village's BMPs.

Item E: Notice that you are relying on another governmental entity to satisfy some of your permit obligations (if applicable).

Not applicable – the Village of Wonder Lake does not rely on another governmental entity to satisfy NPDES permit obligations.

Item F: List of construction projects that your entity has paid for during the reporting period.

The Village did not let/construct any construction projects with one acre of disturbance or greater during this reporting period.

Sample Documentation for Minimum Control Measures

The remaining sheets in this report include some available documentation for various Best Management Practices discussed under Item B.

VILLAGE OF WONDER LAKE						
SUMMARY AND SCHEDULE OF PROPOSED BEST MANAGEMENT PRACTICES						
MINIMUM CONTROL MEASURE		MAR-16	MAR-17	MAR-18	MAR-19	MAR-20
A. Public Education and Outreach on Stormwater Impacts						
A1	Literature Distribution (Newsletter/Brochures)	X	X	X	X	A
A6	Other Public Education (Web Articles)	X	X	X	X	A
B. Public Involvement/ Participation						
B4	Public Hearing		X	X	X	A
B6	Program Coordination	X	X	X	X	A
C. Illicit Discharge Detection and Elimination						
C1	Storm Sewer Map Preparation & Update Program	X	X	X	X	A
C2	Regulatory Control Program	X	X	X	X	A
	- Review and Revise Current Procedures	X	X	X	X	A
C3	Detection/Elimination Prioritization Plan	X	X	X	X	A
C4	Illicit Discharge Tracing Procedures	X	X	X	X	A
C5	Illicit Source Removal Procedures	X	X	X	X	A
C9	Public Notification	X	X	X	X	A
C10	Other Controls (Visual Monitoring Inspections)		X	X	X	A
D. Construction Site Stormwater Runoff Control						
D1	Regulatory Control Program	X	X	X	X	A
	- Review of Current Ordinances	X	X			
	- Draft of Proposed Ordinance					
	- Board Review of Proposed Ordinance					
	- Public Hearing on Proposed Ordinance					
	- Adopt Ordinance		X			
	- Enforcement Ongoing	X	X	X	X	A
D2	Erosion and Sediment Control BMP's	X	X	X	X	A
D3	Other Waste Control Program	X	X	X	X	A
D4	Site Plan Review Procedures	X	X	X	X	A
D5	Public Information Handling Procedures	X	X	X	X	A
D6	Site Inspection/Enforcement Procedures	X	X	X	X	A
E. Post-Construction Stormwater Management						
E2	Regulatory Control Program	X	X	X	X	A
	- Review of Current Ordinances	X	X	X	X	A
	- Draft of Proposed Ordinance					
	- Board Review of Proposed Ordinance					
	- Public Hearing on Proposed Ordinance					
	- Adopt Ordinance					
	- Enforcement Ongoing	X	X	X	X	A
E3	Long Term O&M Procedures	X	X	X	X	A
F. Pollution Prevention/Good Housekeeping						
F1	Employee Training Program	X	X	X	X	A
F2	Inspection & Maintenance Program	X	X	X	X	A
F3 & F4	Municipal Operations for Stormwater Control and Waste Disposal	X	X	X	X	A
	- Audit existing BMP's					
	- Review SOP's					
	- Plan new BMP's and Procedures					
	- Implement Program	X	X	X	X	A

A = Future Required Annual Activity
R = Future One-time Required Activity

D = Deferred Activity
X = Completed Activity

MS-4 STORM WATER CERTIFICATION

Allows the Village to Permit work in the corporate limits, Seawalls Etc.

MS 4 POLLUTANT DISCHARGE ELIMINATION

As storm water flows over driveways, lawns, and side-walks, it picks up debris, chemicals, dirt, and other pollutants. Storm water can flow into a storm sewer system or directly to a lake, stream, river, wetland, or coastal water. Anything that enters a storm sewer system is discharged untreated into the water bodies we use for swimming, fishing, and providing drinking water. Polluted runoff is the nation's greatest threat to clean water. By practicing healthy household habits, homeowners can keep common pollutants like pesticides, pet waste, grass clippings, and automotive fluids off the ground and out of storm water. Adopt these healthy household habits and help protect lakes, streams, rivers, wetlands, and coastal waters. Remember to share the habits with your neighbors!

Healthy Household Habits for Clean Water: Vehicle and Garage

- Use a commercial car wash or wash your car on a lawn or other unpaved surface to minimize the amount of dirty, soapy water flowing into the storm drain and eventually into your local water body.
- Check your car, boat, motorcycle, and other machinery and equipment for leaks and spills. Make repairs as soon as possible. Clean up spilled fluids with an absorbent material like kitty litter or sand, and don't rinse the spills into a nearby storm drain. Remember to properly dispose of the absorbent material.
- Recycle used oil and other automotive fluids at participating service station. Don't dump these chemicals down the storm drain or dispose of them in your trash.

Lawn and Garden

- Use pesticides and fertilizers sparingly. When use is necessary, use these chemicals in the recommended amounts. Avoid application if the forecast calls for rain; otherwise, chemicals will be washed into your local stream.
- Select native plants and grasses that are drought and pest-resistant. Native plants require less water, fertilizer, and pesticides.
- Sweep up yard debris, rather than hosing down areas. Compost or recycle yard waste when possible.
- Don't over water your lawn. Water during the cool times of the day, and don't let water runoff into the storm drain.
- Cover piles of dirt and mulch being used in landscaping projects to prevent these pollutants from blowing or washing off your yard and into local water bodies. Vegetate bare spots in your yard to prevent soil erosion.

Shoreline Alterations: Natural Buffers and Lakescaping

Visit this link dnr.state.mn.us/restoreyourshore/ and learn more about implementing shoreline restoration. The Restore Your Shore program will enable you to:

- Develop a deeper understanding of shoreland ecosystems.
- Learn from other shoreland owners' experiences.
- Design, implement and enjoy your own shoreland project.

Shoreline Alterations: Natural Buffers & Lakescaping (PDF)

Home Repair and Improvement

- Before beginning an outdoor project, locate the nearest storm drains; protect them from debris and other materials.
- Sweep up and properly dispose of construction debris such as concrete and mortar.
- Use hazardous substances like paints, solvents, and cleaners in the smallest amounts possible, and follow the directions on the label. Clean spills immediately, and dispose of the waste safely. Store substances properly to avoid leaks and spills.
- Purchase and use nontoxic, biodegradable, recycled and recyclable products whenever possible.
- Clean paint brushes in a sink, not outdoors. Filter and reuse paint thinner when using oil-based paints. Properly dispose of excess paints through a household hazardous waste collection program, or donate unused paint to local organizations.
- Reduce the amount of paved area and increase the amount of vegetated area in you yard. Use native plants in your landscaping to reduce the need for watering during dry periods. Consider directing downspouts away from paved surfaces onto lawns and other measures to increase infiltration and reduce polluted runoff.

Pet Care

- When walking your pet, remember to pick up pet waste and dispose of it properly. Flushing is the best disposal method. Leaving pet waste on the ground increases public health risks by allowing harmful bacteria and nutrients to wash into the storm drain and eventually into local water bodies.

Septic System Use and Maintenance

- Have your septic system inspected by a professional at least every 3 years, and have the septic tank pumped as necessary (usually every 3 to 5 years)
- Care for the septic system drain field by not driving or parking vehicles on it. Plant only grass over and near the drain field to avoid damage from roots.
- Flush responsibly. Flushing household chemicals like paint, pesticides, oil and antifreeze can destroy the biological treatment taking place in the system. Other items such as diapers, paper towels, and cat litter, can clog the septic system and potentially damage components.

Where to Recycle

Visit mchenry.edu/recycling/ and download their Green Guide for Recycling options in McHenry County.

Storm Water Management Program Plan

The purpose of the Stormwater Management Program Plan (SMPP) is to meet the minimum standards required by the United States Environmental Protection Agency (USEPA). The SMPP describes the procedures and practices that can be implemented by the Village of Wonder Lake toward the goal of reducing the discharge of pollutants within stormwater runoff in order to comply with Federal standards. Compliance with the plan is intended to protect water quality thus contributing to cleaner lakes and streams, improved recreational opportunities and tourism, flood damage reduction, better aesthetics and wildlife habitat, and a safer and healthier environment for the citizens. [Stormwater Management Program Plan \(SMPP\) 3.9 MB PDF](#)

- [Village of Wonder Lake MS4 Annual Report](#) • [Notice of Intent](#)