



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, 2016 To March, 2017

Permit No. ILR40 0295

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

Name: Village of Bloomingdale Mailing Address 1: 201 South Bloomingdale Road

Mailing Address 2: _____ County: DuPage

City: Bloomingdale State: IL Zip: 60108 Telephone: 630-671-5691

Contact Person: Michael D. Marchi Email Address: marchim@vil.bloomingdale.il.us
(Person responsible for Annual Report)

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

Village of Bloomingdale

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))

Owner Signature:

Michael D. Marchi

Printed Name:

5-1-2017

Date:

Director of Village Services

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

Annual Facility Inspection Report – Section A

NPDES Permit No. ILR 400295 Village of Bloomingdale Notice of Intent May 27, 2016

No changes were made during this reporting year to the best management practices that were outlined in the Village of Bloomingdale's Notice of Intent dated 5/27/2016, to obtain coverage under General NPDES Permit No. ILR40.

Annual Facility Inspection Report – Section B

Supplement to DuPage County ILR400502 being a Qualified Local Program.

In addition to information provided by DuPage County, and the DuPage River Salt Creek Workgroup (attached) the Village of Bloomingdale conducted additional activities toward compliance with permit conditions.

STORMWATER MANAGEMENT PRACTICES

A. Public Education and Outreach

A.1,A.2,A.3,A.4,A.5,A.6

- Storm Stenciling program – Coordinate as requested with Boy Scout volunteer groups and the Conservation Foundation Dupage River Coalition to stencil paint “Do Not Dump – Drains to River”.
- Adopted Proclamation on May 12, 2016 Supporting 2016 River Sweep
- Offered Informational Materials at Village Hall and on-line at the Village web site ([www.village of Bloomingdale.org](http://www.villageofbloomingdale.org)) Published 16 articles in Village Almanac mailed directly to Village residents and businesses.

1. February 2016 – “Residents Urged to Reduce Use of Road Salt This Winter” article concerning salt conservation in the interest of the environment.
2. February 2016 – “Springfield Park Wetlands” Information.
3. April 2016 – Water System Protection Cross Connection Control Devices article concerning requirements.
4. April 2016 – Help Prevent Polluted Runoff Water article concerning pollutants washing into storm drains, Household Hazardous Waste and Reporting Spills.
5. April 2016 – Arbor Day 2016.
6. April 2016 – “Recycling Events” article concerning free recycling events.
7. June 2016 – Cross Connection Control Devices article concerning requirements.
8. June 2016 – “Recycling Events” article concerning free recycling events including latex paint.
9. June 2016 – Prescription Medicine Drop Off.
10. June 2016 – Help Prevent Polluted Runoff Water article concerning pollutants washing into storm drains, Household Hazardous Waste and Reporting Spills.
11. August 2016 – Help Prevent Local Flooding “Keep debris out of storm grates”.
12. August 2016 – Summer Water Conservation.
13. August 2016 – “Recycling Events” article concerning free recycling events.
14. August 2016 – Springfield Park Wetlands Awareness Group.

15. December 2016 - "Ice and Salting" article concerning salt conservation in the interest of the environment
 16. February 2017 - "Residents Urged to Reduce Use of Road Salt This Winter" article concerning salt conservation in the interest of the environment.
- Informational Materials at Village Hall
 1. DuPage County River Sweep brochure
 2. Car Wash Discharge Guidelines – Send Only Rain Down the Drain
 3. More than Rain Down the Drain – Illicit Discharge Detection and Elimination Public Awareness
 4. Maintain The Drain
 5. Car Wash and Pool Discharge Guidelines – Send Only Rain Down the Drain
 6. Help Prevent Ocean Pollution – Tips for Car Wash Fund-Raisers
 7. DuPage County Electronics Recycling Program
 8. Rain Barrels
 9. Storm Drain Stenciling – Dump No Waste Drains to River
 10. DuPage County Economic Development & Planning Stormwater Management Magnets "Only Rain Should Go Down the Storm Drain"
 11. Falling Into Winter DuPage County Stormwater Management BMP brochure
 12. Water Conservation and Protection Handout
 13. Springing into Summer-DuPage County Stormwater Management brochure
 14. Water System Protection
 15. DuPage County Wetlands and Streams
 16. DuPage County Latex Paint Recycling Program
 17. DuPage County Residents Reminded to Dispose of Leaves Properly this Fall Handout
 - Information Posted on the Village Website
 1. Help Prevent Polluted Runoff Water
 2. Composting Yard Waste
 3. No Dumping-Keep Our Waterways Clean
 4. Dispose of Leaves Properly this Fall
 5. Arbor Day Celebration April 29, 2016 with link
 6. Adopt-A-Stream Program with link
 7. Eco-Friendly Transportation with link
 8. Electricity Conservation Tips with link
 9. Earth Day April 22, 2016 with link
 10. DuPage River Sweep May 21, 2016 with link
 11. Recycling Events for Electronics
 12. Recycling Events for Paint
 13. Cross Connection Information

14. Reduce-Reuse-Recycle Information
 15. RX Box Dispose of medications safely
 16. Conservation Foundation with link
 17. Recycling Opportunities
 18. DuPage River Salt Creek Workgroup
 19. Try Using a Rain Barrel
 20. NPDES ILR40 Permit
 21. NPDES PHASE II Notice of Intent 2016
 22. NPDES PHASE II Annual Facility Inspection Reports
 23. Village of Bloomingdale Stormwater Management Plan
 24. DuPage Wetland & Streams Stormwater Management
 25. DuPage County Stormwater Collection App
 26. Water Conservation Tips
 27. Land Preservation & Watershed Protection with link
 28. Reduce-Reuse-Recycle with link
 29. DuPage County Guide to Preventing & Repairing Flood Damage
- Published 31 Articles in Village Residential E-News sent to participating residents and businesses
 1. March 30, 2016 – “Recycling Events” Information
 2. April 8, 2016 – “Recycling Events” Information
 3. April 14, 2016 – “Recycling Events” Information
 4. April 14, 2016 – “River Sweep” article concerning helping clean up our rivers
 5. April 18, 2016 – “Recycling Events” article
 6. April 18, 2016 – “River Sweep” article concerning helping clean up our rivers
 7. April 27, 2016 – “Recycling Events” Information
 8. April 27, 2016 – “River Sweep” article concerning helping clean up our rivers
 9. May 5, 2016 – “Recycling Event” Information
 10. May 5, 2016 – “River Sweep” article concerning helping clean up our rivers
 11. May 12, 2016 – “Recycling Event” Information
 12. May 12, 2016 – “River Sweep” article concerning helping clean up our rivers
 13. May 19, 2016 – “Recycling Event” Information
 14. May 19, 2016 – “River Sweep” article concerning helping clean up our rivers
 15. May 25, 2016 – “Recycling Event” Information
 16. June 2, 2016 – “Recycling Event” Information
 17. June 9, 2016 – “Cross Connection” Information
 18. June 14, 2016 – “Cross Connection” Information
 19. June 15, 2016 – “Cross Connection” Information
 20. June 15, 2016 – “Recycling Event” Information

21. July 6, 2016 – “Electronics Recycling” article concerning upcoming events
22. September 28, 2016 – “Electronics Recycling” article concerning upcoming events
23. September 29, 2016 – “Electronics Recycling” article concerning upcoming events
24. October 12, 2016 – “Rx Drop Box”
25. November 4, 2016 – “Electronics Recycling” article concerning upcoming events
26. November 17, 2016 – “Report Stormwater Quality Issues” article concerning watershed planning and water quality
27. February 16, 2017 – “NO FROG-No Clog” article concerning pouring and throwing items and liquid in the stormsewer
28. March 16, 2017 – “Earth Hour 2017” Information
29. March 23, 2017 – “Recycling Events” article concerning upcoming events
30. March 23, 2017 – “Earth Hour 2017”
31. March 30, 2017 – “Electronics & Paint Recycling” article concerning upcoming events

- Offered and provided Water Reclamation Facility educational tours upon request to community groups.
- COD Environmental Studies Class Tours – March 10, 2016, July 11, 2016 and September 20, 2016.
- Participate as member of the DuPage River Salt Creek Workgroup – website, chloride information, workshops and newsletters.
- General Open House tour for students – February 15, 2017 and February 27, 2017.
- Advised Subdivisions of Snow and Ice Control Operations-Salting Workshop on October 4, 2016.

B. Public Participation/ Involvement B.1,B.3,B.4,B.5,B.6

Stakeholder Meetings/Public Meetings

- Staff attended stakeholder meetings as member of the DuPage River/Salt Creek Work Group (DRSCW)
- DuPage River Salt Creek Workgroup Meeting – February 24, 2016, April 27, 2016, June 22, 2016, August 31, 2016
- Stormwater Management Plan Annual Public Meeting – April 25, 2017

C. Illicit Discharge Detection and Elimination C.1,C.2,C.3,C.4,C.5,C.6,C.7,C.8

Storm Sewer Mapping

- Engineering Division completed annual update of Village Storm Sewer Atlas
- Inspected and cleaned the 135 storm sewer outfall structures inventoried in year one.

Regulatory Control Program

- Annual regulatory administration of 200+- sanitary sewer discharge permits pursuant to TITLE 9, CHAPTER 3, OF THE VILLAGE CODE, ORDINANCE NO. 92-31.
- Continued to enforce TITLE 5, CHAPTER 3, OF VILLAGE CODE, ORDINANCE NO. 2009-30 “AN ORDINANCE REGULATING ILLICIT DISCHARGES AND DETECTION AND ELIMINATION OF ILLEGAL CONNECTIONS TO STORMWATER DRAINAGE SYSTEMS WITHIN THE VILLAGE OF BLOOMINGDALE” in cooperation with DuPage County Ordinance.
- Continued to support RESOLUTION NO. 2009-R-14 A RESOLUTION AUTHORIZING ENTERING INTO AN INTERGOVERNMENTAL AGREEMENT BETWEEN THE VILLAGE OF BLOOMINGDALE AND THE COUNTY OF DU PAGE, ILLINOIS FOR THE IMPLEMENTATION OF THE ILLICIT DISCHARGE DETECTION AND ELIMINATION PROGRAM as a full participant.
- Continued to enforce previously adopted TITLE 5, CHAPTER 3, OF VILLAGE CODE, ORDINANCE NO. 2009-31 “AN ORDINANCE PROHIBITING DISCHARGE OF HAZARDOUS MATERIALS WITHIN THE MUNICIPAL BOUNDARIES OF THE VILLAGE OF BLOOMINGDALE” which prohibits the discharging and depositing of hazardous materials or pollutants on any premise within the municipal boundaries of the Village of Bloomingdale.
- Continue to collect data for the DO monitoring station at Army Trail Road on the East Branch of the DuPage River in cooperation with DRSCW
- Village Published hotline/contact information on the Village Web site and in the Village Almanac encouraging the public to report illicit discharges.

D. Construction Site Runoff Control D.1,D.2,D.4,D.5,D.6

- Maintain full waiver status in the DuPage Countywide Stormwater and Floodplain Management Ordinance.
- Administer and enforce County Ordinance pursuant to VILLAGE CODE TITLE 10, CHAPTER 12.
- Participate in monthly Municipal Engineer’s Group meetings hosted by DuPage County.
- Participate in meetings hosted by DuPage River Salt Creek Workgroup.
- Participate in Stormwater Management Training Opportunities.
- Monthly inspection of construction sites to verify ongoing compliance with the stormwater permit, addressing such issues as storage volume, site housekeeping, and erosion and sediment control. Follow-up inspections with property owner and/or permittee as necessary.
- Utilize checklist and flowcharts for plan reviews related to the Stormwater Management Ordinance.
- Sent letter on September 1, 2016 to business’s regarding Deicing Workshop October 4 and 5, 2016 and per VILLAGE CODE TITLE 10,

CHAPTER 9-2, SUBSECTION 302.1, the Village does not allow storage of salt on the exterior of private property.

E. Post Construction Stormwater Management

Maintain records on design of stormwater storage facilities for future verification of system operation.

- Work with owners of stormwater facilities upon completion of construction so that the owner of the facilities has a working understanding of their operation and maintenance.
- Completed annual inspection of all Stormwater storage basins and outlet control structures.
- Utilize checklists and review manuals to verify compliance of design with regulations.
- Observe construction of stormwater facilities. Perform inspection of stormwater facilities during construction and prior to the use of the facilities. Observe performance of the stormwater facilities to verify their operation is as planned.
- Annual inspection of Stormwater facilities in the spring of each year to verify all components are working as intended, with enforcement of deficiencies as needed.
- Through demolition and removal of structures – adding additional green space within the facility boundaries.
- Silt fencing surrounding work sites removed and grass planted-green space upgraded.
- Storm manholes cleaned and Best Management Practice for debris removal, storage and road clean up VILLAGE CODE TITLE 10, CHAPTER 9-2 SUBSECTION 308.1

F. Pollution Prevention/Good Housekeeping F.1,F.2,F.4,F.5

Employee Training Program

- Annual Village Snow and Ice Control Training and Equipment Calibration held 10-28-2016
- DuPage County Department of Transportation and DuPage County River Salt Creek Workgroup 2016 Public Roads Deicing Workshop – September 27, 2016
- **Staff attended the following in-house and Training Workshops**
 - DuPage River Salt Creek Workgroup – April 27, 2016
 - Science Behind the Chloride Water Quality Standard – April 27, 2016
 - NPDES Steering Committee Meeting – May 6, 2016
 - Naturalized Detention Workshop – May 13, 2016
 - NPDES Steering Committee Meeting – May 20, 2016
 - DuPage River Salt Creek Workgroup – June 22, 2016
 - Manual Operation of Excess Flow System-WRF – July 7, 2016
 - DuPage River Salt Creek Workgroup – August 31, 2016

- DuPage County Department of Transportation and DuPage County River Salt Creek Workgroup 2016 Public Roads Deicing Workshop – September 27, 2016
- Mid Central Water Works Association Meeting – October 19, 2016
- Snow and Ice Control Meeting – October 28, 2016
- Disaster Management for Water & Wastewater Utilities – November 9, 2016
- Pump Isolation Maintenance – November 11, 2016
- Mid Central Water Works Association Meeting – November 16, 2016
- Sewer Collection System Workshop – November 17, 2016
- Green Infrastructure Design and Maintenance for MS4 Communities – November 30, 2016
- Lead and Copper Water Treatment Corrosion Control in Distribution Systems – February 16, 2017
- APWA Lead Water Regulations in Illinois – February 23, 2017
- Green Infrastructure and Grants Symposium – February 28, 2017
- MS4 Implementation Seminar – March 1, 2017
- Wastewater Insight – March 3, 2017
- Mid Central Water Works Association Meeting – October 19, 2016, November 16, 2016

Inspection and Maintenance Program

- Annual contractual program consisting of cleaning and televising of approximately 45,045-feet of sanitary sewer and 20,863-feet of storm sewer.
- Continuous monitoring of the dissolved oxygen levels to maintain optimum concentrations at outfall of treatment facility into the East Branch of the DuPage River.
- Storm Manhole inspections completed quarterly and annually. Generated by work order process within the WRF for 18 manholes.
- Routine maintenance cleaning of 0-feet of storm sewer based on inspections.
- Inspected 268 storm catch basins.
- Contractual maintenance cleaning of 10 catch basins, 1 at WRF and 46 “in-house” cleaning of catch basins.
- Rebuilt or replaced 15 storm water inlets and/or basins; constructed 0 new catch basins to replace inlets.
- Performed 4 storm sewer point repairs.
- Responded to 12 storm water related service requests.
- Performed 50 inspections on creeks and ponds.
- Conduct Annual Street Sweeping Program minimum of nine (9) times a year.
- Cleaned approximately 10,500-feet of sanitary in-house.
- Cured-in-place lining of sanitary sewers is complete. There are no clay sanitary sewers on system that are not lined.

- Annual contractual testing and grouting of 75 sanitary sewer later connections.
- Performed 7 river inspections and cleaned as needed headwaters and culvert crossing at: Army Trail Road - East Branch DuPage River; Circle Avenue - Springbrook – Salt Creek.
- Storm inlet grate cleaning, as required, before during and after heavy rainfall.
- Conduct Spring and Fall pre-rain season inspections of 135 stormwater detention/retention facilities and outfalls
- Maintained three (3) catch basin/inlet sedimentation filters at the Public Works Facility.
- Several river/creek inspections and clean up – prior and after all heavy rainfalls.
- Conducted 43 inspections and debris removal as required on the East Branch of the DuPage River (EBDR) upstream and downstream of Water Reclamation Facility outfall.
- Conducted Westlake inspections upstream of Water Reclamation Facility,
- Multiple clean-ups of debris from East Branch of DuPage River.
- Annual WRF NPDES permit audit/inspection conducted by IEPA representative on February 24, 2017.
- In house usage of containment products for chemicals and maintenance areas.
- Responded to report of grout dumped into storm sewer on Seneca Trail, contained pollutant and cleaned system.
- Rx pill disposal box drop off at the Village Hall/Police Department.

Municipal Operations Waste Disposal

- Discuss permit and storm water goals with Public Works and Utilities maintenance staff seeking input for the development of draft housekeeping BMP's.
- Municipal Operations BMP's - Public Works Street Division administered annual contract Street Sweeping Program nine (9) village-wide sweeps per year.
- Implemented procedures to reduce amount of salt for road deicing in the winter operations.
- Maintain aerator at village-owned 'regional' retention pond in Longridge Subdivision; treated pond for bottom feeding filamentous algae growth causing oxygen depletion.
- Implemented IEPA CCDD Program for Village excavations as required.

Annual Facility Inspection Report – Section C

NPDES Permit No. ILR 400295 Village of Bloomingdale, Notice of Intent May 27, 2016

Please see DuPage County's Annual Report for the detailed monitoring data collected over this period.

Annual Facility Inspection Report – Section D

NPDES Permit No. ILR 400295 Village of Bloomingdale, Notice of Intent May 27, 2016

Please see DuPage County's Annual Report for the goals of the storm water activities planned for the next reporting cycle.

Annual Facility Inspection Report – Section E

NPDES Permit No. ILR 400295 Village of Bloomingdale, Notice of Intent May 27, 2016

The Village of Bloomingdale relies on certain established and developing DuPage County Qualified Local Programs to satisfy some of our General NPDES Permit No. ILR40 obligations for the six (6) minimum control measures: Public Education and Outreach, Public Participation/Involvement, Illicit Discharge Detection and Elimination, Construction Site Runoff Control, Post-Construction Runoff Control and Pollution Prevention/Good Housekeeping.

Annual Facility Inspection Report – Section F

NPDES Permit No. ILR 400295 Village of Bloomingdale, Notice of Intent May 27, 2016

The following construction projects greater than one (1) acre of disturbed area were paid for by the Village of Bloomingdale within the reporting period.

Village of Bloomingdale – Old Towne Streetscape/Roadway Improvements