



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, 2015 To March, 2016

Permit No. ILR40 0295

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

Name: Village of Bloomingdale Mailing Address 1: _____

Mailing Address 2: 201 South Bloomingdale Road 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:

5-20-2016

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

IL 532 2585

WPC 691 Rev 6/10

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

Annual Facility Inspection Report – Section A

Year 13 of the NPDES Permit No. ILR 400295 Village of Bloomingdale, 2nd Notice of Intent (Year 7)

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 9/26/2013, 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 16, 2015 Supporting 2015 River Sweep
- Offered Informational Materials at Village Hall and on-line at the Village web site (www.villageofbloomingdale.org) Published 17 articles in Village Almanac mailed directly to Village residents and businesses.
 1. April 2015 – “Help Prevent Polluted Runoff Water” article concerning pollutants washing into storm drains, use of Pesticides and Fertilizers and Vehicle Washing.
 2. April 2015 – Water Conservation.
 3. April 2015 – Tree Planting Program.
 4. April 2015 – Cross Connection Control Devices article concerning requirements.
 5. June 2015 – “Recycling Events” article concerning free recycling events including Latex Paint.
 6. June 2015 – Prescription Medicine Drop Off.
 7. June 2015 – Cross Connection Control Devices article concerning requirements.
 8. June 2015 – Help Prevent Polluted Runoff Water article concerning pollutants washing into storm drains, Household Hazardous Waste and Reporting Spills.
 9. August 2015 – Help Prevent Local Flooding “Keep debris out of storm grates”.
 10. August 2015 – “Recycling Events” article concerning free recycling events.
 11. October 2015 – “2015 Tree Planting Program” article concerning 50/50 cost sharing.
 12. October 2015 – “Help Prevent Street Flooding” Don’t Leave Leaves in the Street article concerning clearing of storm inlets.
 13. October 2015 – “Recycling Events” article concerning free recycling events.

14. October 2015 – “Street Sweeping” article concerning reducing the potential from debris in front of storm inlets.
 15. December 2015 - “Ice and Salting” article concerning salt conservation in the interest of the environment
 16. February 2015 - “Residents Urged to Reduce Use of Road Salt This Winter” article concerning salt conservation in the interest of the environment.
 17. Published in the Village Almanac article seeking volunteer groups to “Put a Fish on Your Street” storm inlet stenciling program.
- 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
 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. Dispose of Leaves Properly this Fall
 3. Arbor Day Celebration April 24, 2015 with link
 4. Volunteer Tree Planting April 25, 2015 with link
 5. Green Infrastructure and Nature Friendly Landscaping Workshop April 30, 2015 with link
 6. Earth Hour 2016 March 19, 2016 with link
 7. Earth Day April 22, 2015 with link
 8. DuPage River Sweep May 16, 2015 with link
 9. Recycling Events for Electronics

10. Recycling Events for Paint
11. Cross Connection Information
12. Reduce-Reuse-Recycle Information
13. RX Box Dispose of medications safely
14. Conservation Foundation with link
15. Recycling Opportunities
16. DuPage River Salt Creek Workgroup
17. Try Using a Rain Barrel
18. NPDES PHASE II Notice of Intent for Permit Period 2009-2014
19. General NPDES Permit ILR40 Effective April 1, 2009 – March 31, 2015
20. NPDES PHASE II Annual Facility Inspection Report
21. Water System Protection
22. Falling into Winter
23. DuPage County Press Release “Residents Urged to Reduce Use of Road Salt this Winter”

- Published 16 Articles in Village Residential E-News sent to participating residents and businesses
 1. April 2, 2015 – “Recycling Events” Information
 2. April 30, 2015 – “Recycling Events” Information
 3. May 13, 2015 – “River Sweep” article concerning helping clean up our rivers
 4. June 3, 2015 – “Electronics Recycling” article
 5. June 9, 2015 – “Latex Paint Recycling Program” Event information
 6. July 16, 2015 – “Recycling Event” Information
 7. August 7, 2015 – “Keeping Trees Healthy” article concerning tree watering
 8. August 13, 2015 – “Keeping Trees Healthy” article concerning tree watering
 9. September 30, 2015 – “Recycling Events” article concerning upcoming events
 10. October 7, 2015 – “50-50 Tree Planting Program” article
 11. October 21, 2015 – “Help Prevent Street Flooding” article concerning storm drains, keeping inlet grates clear of debris
 12. November 25, 2015 – “Recycling Events” article concerning upcoming events
 13. December 3, 2015 – “Recycling Events” article concerning upcoming events
 14. March 7, 2016 – “River Sweep” article concerning helping clean up our rivers
 15. March 17, 2016 – “Earth Hour” Earth hour article concerning upcoming events with video
 16. March 23, 2015 – “Recycling Events” article concerning upcoming events

- Offered and provided Water Reclamation Facility educational tours upon request to community groups.
- COD Environmental Studies Class Tours – April 21, 2015, September 22, 2015 and February 22, 2016.
- Participate as member of the DuPage River Salt Creek Workgroup – website, chloride information, workshops and newsletters.
- General Open House tour for students – June 30, 2015, July 6, 2015, July 22, 2015 and March 18, 2016.
- Advised Subdivisions of Snow and Ice Control Operations-Salting October 16, 2015.

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 – April 29, 2015, June 24, 2015, August 26, 2015, October 28, 2015, December 9, 2015 and February 24, 2016

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, 2015 to business’s regarding Deicing Workshop October 3, 2013 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.
- 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 10-16-2015
- DuPage County Department of Transportation and DuPage County River Salt Creek Workgroup 2015 Public Roads Deicing Workshop – October 6th & 7th 2015
- **Staff attended the following in-house and Training Workshops**
 - Design and Operation of Sustainable RCP Sewers – March 5, 2015
 - WRF Plant Operational Changes Clarifiers – April 6, 2015
 - Laboratory Pretreatment Seminar – April 14, 2015
 - OSHA Compliance-General Industry Safety and Health Training – April 22, 2015
 - Annual Water Distribution Conference – April 28, 2015
 - CSWEA Annual Meeting and Multiple Technical Seminars – May 28, 2015
 - Sampling for New Construction of Watermains Field Testing – June 10, 2015
 - OSHA10 General Industry Safety and Health Training – July 15 & 16, 2015
 - Waste Water Safety Guide Lines – July 21, 2015
 - Watermain Rehabilitation Alternatives – August 11, 2015
 - Operation of WRF Maintenance Updates – August 20, 2015
 - SCADA Operations – August 27, 2015
 - SCADA System – Graphs - September 11, 2015
 - Chlorine Safety – September 15, 2015
 - Harmful Algal Clooms in Surface Water Supplies – September 16, 2015
 - WEFTEC 2015 Conference – September 28-30, 2015
 - ISAWWA Water Loss Seminar – September 29, 2015
 - DuPage County Department of Transportation and DuPage County River Salt Creek Workgroup 2014 Public Roads Deicing Workshop – October 6th & 7th, 2015
 - Communication Fails with SCADA Alarms – October 6, 2015
 - SDS Requirements Pump Changes – October 13, 2015

- Snow & Ice Control Workshop and Meeting – October 16, 2015
- IAWPO Power Trouble Shooting Power Quality and Phosphorus Removal – October 19, 2015
- Rebooting SCADA System after System Crashes – November 9, 2015
- Water Level with Elevated Tanks Community Outreach with Water Operations – November 18, 2015
- SCADA Controls Tank Turn Overs – January 22, 2016
- Mid Central Water Works Association Meeting – December 17, 2014
- East Side Pump Station Operations – February 12, 2016
- Underground Storage Tank Operator Training Course – February 18, 2016
- Mid Central Water Works Association Meeting – September 16, 2015, November 18, 2015, December 16, 2015 and February 17, 2016

Inspection and Maintenance Program

- Annual contractual program consisting of cleaning and televising of approximately 40,000-feet of sanitary sewer and 23,000-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 120 storm catch basins.
- Contractual maintenance cleaning of 20 catch basins and 51 “in-house” cleaning of catch basins.
- Rebuilt or replaced 3 storm water inlets and/or basins; constructed 1 new catch basins to replace inlets.
- Performed 3 storm sewer point repairs.
- Responded to 22 storm water related service requests.
- Performed 20 inspections on creeks and ponds.
- Conduct Annual Street Sweeping Program minimum of seven (7) times a year.
- Cleaned approximately 26,300-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.
- Tested and sealed 75 sanitary sewer wye connections using chemical grout in areas with lined clay sanitary sewer mains.
- Performed 8 river/creek 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
- Installed and 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 46 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 March 17, 2016.
- In house usage of containment products for chemicals and maintenance areas.
- Seneca Trail Culvert that feeds into Lake had gas/oil film, installed socks and sorbents and monitored the area.
- 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.
- Install and 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

Year 13 of the NPDES Permit No. ILR 400295 Village of Bloomingdale, 2nd Notice of Intent (Year 7)

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

Annual Facility Inspection Report – Section D

Year 13 of the NPDES Permit No. ILR 400295 Village of Bloomingdale, 2nd Notice of Intent (Year 7)

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

Year 13 of the NPDES Permit No. ILR 400295 Village of Bloomingdale, 2nd Notice of Intent (Year 7)

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

Year 13 of the NPDES Permit No. ILR 400295 Village of Bloomingdale, 2nd Notice of Intent (Year 7)

There were no construction projects greater than one (1) acre of disturbed area paid for by the Village of Bloomingdale within the reporting period.