



# Village of Bloomingdale

**Franco A. Coladipietro**  
Village President

**Jane E. Michelotti**  
Village Clerk

May 20, 2014

*"Growth with Pride"*

Mr. Rob Swanson  
DuPage County Department of  
Development and Environmental Concerns  
Jack T. Knuepfer Administration Building  
421 North County Farm Road  
Wheaton, IL 60189-0853

RE: NPDES PHASE II – 2013-2014 ANNUAL FACILITY INSPECTION REPORT CO-  
PERMITTEE INSPECTION REPORTS AND ATTACHMENTS/SUPPLEMENTAL  
INFORMATION

Dear Mr. Swanson:

Pursuant to the intergovernmental agreement adopted by Resolution 2003-R-02 between the Village of Bloomingdale and County of DuPage dated January 13, 2003, please find enclosed two executed copies of Village of Bloomingdale NPDES Phase II 2013-2014 Annual Facilities Inspection Report which includes the Inspection Report and Attachments/Supplemental information. Please attach this information to the DuPage County Annual Facilities Inspection Report submittal due to IEPA by June 1, 2014.

Should you require additional information, please advise.

Very truly yours,

VILLAGE OF BLOOMINGDALE

A handwritten signature in black ink that reads "Michael D. Marchi".

Michael D. Marchi, P.E.  
Director of Village Services

MDM:smr

Enclosures

Pc: Barbara E. Weber, Acting Village Administrator  
Robert F. Prohaska, P.E., Assistant Village Engineer  
James T. Monkemeyer, Assistant Director of Village Services  
Michael J. Gricus, Building Commissioner



# 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, 2013 To March, 2014

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:

5-22-2014

Date:

Director of Village Services

Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto: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.

**NPDES PHASE II ANNUAL REPORT March 2013-March 2014  
VILLAGE OF BLOOMINGDALE  
PERMIT NUMBER – ILR 400295  
SUPPLEMENT TO DUPAGE COUNTY ILR400502  
VILLAGE SERVICES DEPARTMENT - UTILITIES DIVISION**

*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.*

*In addition to information provided by DuPage County, 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 18, 2013 Supporting 2013 River Sweep
- Offered Informational Materials at Village Hall and on-line at Village web site ([www.vil.bloomingtondale.il.us](http://www.vil.bloomingtondale.il.us)) Published 18 articles in Village Almanac mailed directly to Village residents and businesses.
  1. February 2013 – “2013 Winter Salting Operations” article concerning salt conservation in the interest of the environment
  2. February 2013 – “Water Conservation Tips” article concerning water conservation and control
  3. April 2013 – “Two Billion Acts of Green” article concerning Earth Day, River Sweep, Storm Stenciling, etc. in the interest of the environment
  4. April 2013 – “Arbor Day 2013” A day set aside for planting and the appreciation of trees.
  5. April 2013 – “RxBOX Dispose of Medication Safely” Do not dispose of medications down the drain or flush them.
  6. April 2013 – “Recycling Events” article concerning free recycling events.
  7. June 2013 – “Arbor Day 2013” A day set aside for planting and the appreciation of trees.
  8. June 2013 – “Don’t Doubt the Drought” article concerning water conservation and control.
  9. August 2013 – “Summer Water Conservation” article concerning sprinkling, watering lawns and trees.
  10. August 2013 – “Recycling Events” article concerning home recycling.

11. October 2013 - "Street Sweeping" article concerning reducing the potential from debris in front of storm inlets.
  12. October 2013 - "Recycling Events" article concerning free recycling events.
  13. October 2013 - "2014 Tree Planting Program" article concerning 50/50 cost sharing
  14. December 2013 - "Recycling Event" article concerning free recycling events to dispose of household items, paints and electronics
  15. December 2013 - "Water Conservation Tips" article concerning water conservation and control
  16. February 2014 - "Ice and Salting" article concerning salt conservation in the interest of the environment
  17. February 2014 - "Water Conservation Tips" article concerning water conservation and control
  18. February 2014 - "Recycling Event" article concerning free recycling events.
- 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
  - Information Posted on the Village Website
    1. Earth Hour 2014 March 29, 2014 with link
    2. Earth Day April 22, 2013 with link
    3. DuPage River Sweep May 18, 2013 with link
    4. Save Electricity while saving our environment information
    5. Reduce-Reuse-Recycle Information
    6. Water Conservation Tips
    7. Land Preservation and Watershed Protection with links
    8. DuPage River Salt Creek Workgroup Coal Tar Based Sealant MOU
    9. Coal Tar Based Sealant brochure
    10. RX Box Dispose of medications safely
    11. Eco-Friendly Transportation
    12. Adopt-A-Stream Program
    13. Conservation Foundation with link

14. DuPage River Salt Creek Workgroup
  15. Try Using a Rain Barrel
  16. Discontinuing the use of RCT sealants.
  17. NPDES PHASE II Notice of Intent for Permit Period 2009-2014
  18. General NPDES Permit ILR40 Effective April 1, 2009 – March 31, 2014
  19. NPDES PHASE II Annual Facility Inspection Report
- Published 23 Articles in Village Residential E-News sent to participating residents and businesses
    1. March 27, 2014 – “Help Celebrate Earth” Earth hour article concerning upcoming events
    2. March 27, 2014 – “Arbor Day” article concerning tree planting at Erickson Elementary School
    3. March 27, 2014 – “River Sweep” article concerning upcoming event
    4. March 27, 2014 – “Help Prevent Polluted Runoff Water Year Round” article with tips with link
    5. March 20, 2014 – “Earth Hour 2014” article concerning helping the environment
    6. February 18, 2014 – “Help Prevent Flooding” article concerning clearing storm sewers
    7. January 29, 2014 – “Ice & Snow” article concerning salting
    8. December 4, 2013 – “Electronics Recycling” Event information
    9. November 21, 2013 - “Help Protect the Village’s Drinking Water System” article
    10. October 17, 2013 – “Recycling Extravaganza” Event
    11. October 10, 2013 – “Upcoming Recycling and Shredding Events in DuPage County” article concerning upcoming events
    12. October 10, 2013 – “Help Prevent Street Flooding” article concerning storm drains, keeping inlet grates clear of debris
    13. October 3, 2013 – “Upcoming Recycling and Shredding Events in DuPage County” article concerning upcoming events
    14. September 26, 2013 – “Recycling Event” article concerning upcoming events
    15. September 20, 2013 – “Recycling Event” article concerning upcoming events
    16. August 1, 2013 – “Electronics Recycling” article concerning upcoming events
    17. July 10, 2013 – “Electronics Recycling” article concerning upcoming events
    18. March 20, 2013 – “Earth Hour” article concerning upcoming events
    19. April 17, 2013 – “Recycling Events” article concerning upcoming events

20. April 10, 2013 – “Celebrate Earth” article concerning upcoming events
  21. April 10, 2013 – “DuPage River Sweep” article concerning upcoming events
  22. April 3, 2013 – “Celebrate Earth” article concerning upcoming events
  23. April 3, 2013 – “DuPage River Sweep” article concerning upcoming events
- Offered and provided Water Reclamation Facility educational tours upon request to community groups.
  - COD Environmental Studies Class Tours – April 15, 2013 and November 14, 2013
  - Conducted two (2) Training sessions on water conservation for local organizations.
  - Participate as member of the DuPage River Salt Creek Workgroup – website, chloride information, workshops and newsletters.

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

**Stakeholder Meetings**

- Staff attended stakeholder meetings as member of the DuPage River/Salt Creek Work Group (DRSCW)

**Public Meetings**

- **Staff attended the following in-house and Training Workshops**
  - Essential Operations for a reliable water distribution system – March 12, 2013
  - Beyond the Basics Stormwater BMP’s – March 13, 2013
  - DuPage County FEMA ISWS Flood Risk Discovery Meeting – March 27, 2013
  - IAWPCO Wastewater Operational Maintenance – April 16, 2013
  - Managing your Community’s Stormwater – April 22, 2013
  - ISAWWA In the Plant Training – May 7, 2013
  - Water Accountability in a digital world – June 6, 2013
  - The science of mixing and maintaining water quality in water storage tanks - July 19, 2013
  - Extend the service life of water storage tanks – July 19, 2013
  - Stormwater Management Solutions – July 29, 2013
  - Operation of Wastewater Treatment Plants Volume II – August 8 thru October 22, 2013
  - DuPage River Salt Creek Workgroup Meeting – August 28, 2013 & October 30, 2013
  - DuPage County Department of Transportation and DuPage County River Salt Creek Workgroup 2013 Public Roads Deicing Workshop – September 26, 2013
  - IEPA Radiation Worker Training for Operations on Radium Removal – October 1, 2013

- Water Reclamation 300 feet underground – October 10, 2013
- Snow & Ice Control Workshop and Meeting – October 18, 2013
- IAWPCO Maintenance and Electrical Safety – October 21, 2013
- Pipe Joint assembly and Restraint IEPA Course – October 29, 2013
- IEPA Course – What is corrosion costing our treatment plants – October 29, 2013
- OSHA General Industry Safety and Health Training - October 29, 2013
- Green Infrastructure – November 14, 2013
- Fox Valley Operators Association Meeting - November 14, 2013
- Tank Maintenance – November 20, 2013
- DRSCW Facility Planning for Nutrient Removal – January 23, 2014
- Advanced Waste Treatment Correspondence Class – February 4, 2014
- DRSCW Annual Meeting – February 26, 2014
- Environmental Resources Training Center – March 3 thru March 30, 2014
- IWEA Water Conference – March 17 thru March 19, 2014

#### Volunteer Monitoring

- 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
- Published in the Village Almanac article seeking volunteer groups to “Put a Fish on Your Street” storm inlet stenciling program.
- Village Published hotline/contact information on the Village Web site and in the Village Almanac encouraging the public to report illicit discharges.

### **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.
- Responded to an incident on June 17, 2013 involving grease found in a stormwater retention facility. Initiated containment measures and a point-of-source procedure to determine the cause. Located the source as a spilled restaurant grease waste container in an adjacent upstream community. Participated with the adjacent community and the IEPA in overseeing cleanup and remediation by offender.
- Responded to an incident on August 30, 2013 involving an unknown substance found on a county roadway. Coordinated with local fire department and county department of transportation to locate source and determine the substance to be non-hazardous. Cleanup handled through county department of transportation.

#### 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 previously adopted 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.

#### **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 9, 2013 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.
- 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 noted below:
  - Worked with Bayview Crossings Homeowners Association to maintain the detention by keeping invasive species of plants from growing and to remove debris from the basin.
  - Worked with Management Company of the Bloomingdale Town Center detention basin to have plants mowed and kept from overgrowth to restore functionality of the basin.
  - Worked with the owner of the basin at Covington Corporate Center to remove debris and trim vegetative matter around the outlet control structures of the basin.
  - Worked with the manager of the BMO/Harris Bank to remove debris from the bottom of the outlet control structure.
  - Worked with Heritage at Stratford Homeowners Association President to reduce the algae and maintain the general function and appearance of the basin.
  - Worked with the Indian Lakes Homeowners Association to maintain the water quality of Lake Illini and keep the weir outlet control structure free of debris.
  - Worked with the Los Lagos Homeowners Association to keep the outlet control structures clean and free of debris to allow the detention and retention ponds to drain as designed.
  - Worked with Meijer to keep their detention and retention ponds to be free of debris and the outlet control structure in the retention pond to be free of obstructions so can drain properly.
  - Worked with the owners of Mini-U-Storage to install the proper 4” restrictor in the detention basin outlet pipe and to remove debris blocking the flow into the pipe.
  - Worked with the owner of the Prologis Park to keep the outlet control structures free of debris and obstructions to allow the retention pond to drain properly.
  - Worked with the Shell Gas Station at Army Trail Road and Glen Ellyn Road to remove debris from in and around the outlet control structure.

- Worked with the Speedway Gas Station owner to clean debris from the detention basin outlet control and trimming vegetation to restore its functionality.
- Worked with St. Andrews Church to remove debris from clogging the outlet control pipe.
- Worked with The Crossings Homeowners Association to repair the south part of the wall in the detention basin to prevent it from collapsing.
- Worked with The Bloomingdale Town Square to remove debris out of the detention basin so that water can flow through properly.
- Worked with Toys R Us to clean the debris out of the outlet control structure and to move the dumpsters into an enclosure.
- Worked with Vittoria Brooke Homeowners Association to clean out the debris from the retention pond that were blocking to flow of water to the outlet pipe of the basin and to trim the weeds and vegetative overgrowth around the pond that was preventing proper water discharge.
- Worked with the Village of Bloomingdale Public Works Utilities Supervisor to have a crew remove wooden boards out of manhole that is part of the drainage system where water empties from the retention pond in Covington Corporate Center located south of Scott Drive and by Gary Avenue, to allow the pond to discharge properly and maintain a proper water level.
- Silt fencing surrounding work site 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
- Through demolition and removal of structures – adding additional green space within the facility boundaries.

#### **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 10-18-2013
- DuPage County Department of Transportation and DuPage County River Salt Creek Workgroup 2013 Public Roads Deicing Workshop – September 26, 2013

##### **Inspection and Maintenance Program**

- Successfully completed IEPA Inspection/Audit conducted on-site (WRF) on April 5, 2013.
- Successfully completed IEPA Inspection/Audit conducted on-site (Public Works) August 20, 2013.
- Annual contractual program consisting of cleaning and televising of approximately 39,672-feet of sanitary sewer and 15,757-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 17 manholes.
- Routine maintenance cleaning of 0-feet of storm sewer based on inspections.
- Inspected 0 storm catch basins.
- Contractual maintenance cleaning of 15 catch basins and 0 “in-house” cleaning of catch basins.
- Rebuilt or replaced 13 storm water inlets and/or basins; constructed 1 new catch basins to replace inlets.
- Performed 6 storm sewer point repairs.
- Responded to 9 storm water related service requests.
- Performed 4 inspections on creeks and ponds.
- Conduct Annual Street Sweeping Program minimum of 9 times a year.
- Cleaned approx.0-feet of sanitary in-house.
- Annual contractual cured-in-place lining of 1,309 feet of sanitary sewer.
- Performed 4 river/creek inspections and cleaned as needed headwaters areas 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
- Several river/creek inspections and clean up – prior and after all heavy rainfalls
- Conducted 35 upstream and downstream creek inspections on the East Branch of the DuPage River (EBDR); included the removal of debris and blockages. Pond inspections conducted upstream of facility.
- NPDES inspection of Water Reclamation Facility by Illinois Environmental Protection Agency representative on April 5, 2013.
- Multiple clean-ups of debris from East Branch of DuPage River.
- Annual WRF NPDES permit audit/inspection conducted by IEPA representative on April 5, 2013.
- In house usage of containment products for chemicals and maintenance areas.

#### 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 minimum seven (7) 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