

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
ANNUAL FACILITY INSPECTION REPORT  
NPDES PERMIT FOR STORMWATER DISCHARGES  
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)

**APRIL 2014 TO MARCH 2015 (YEAR 13) REPORTING PERIOD**

**VILLAGE OF LISLE, ILLINOIS**

**A. CHANGES TO BEST MANAGEMENT PRACTICES**

There are two changes to the Best Management Practices (BMPs) from the Village's Notice of Intent (NOI) for the reporting period from April 2014 to March 2015. Public education through speaking engagements (A.2) has been added to our BMPS for this reporting period as well as other public education activities (A.6).

**B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS**

The Village of Lisle committed to a number of stormwater BMPs in order to meet the requirements of the NPDES Phase II stormwater program. The following is a status report on each of the BMPs and the activities that were undertaken during the April 2014 to March 2015 reporting period. The status or progress for each of the measurable goals related to these BMPs is presented below.

**BMP No. A.1 Distributed Paper Material**

**Brief Description of BMP:** Paper materials assist in providing information regarding programs, procedures, and research. DuPage County has partnered with The Conservation Foundation and S.C.A.R.C.E. (School and Community Assistance for Recycling and Composting Education) to develop and distribute various water quality related brochures and fact sheets.

**Milestones: Year 12** Assist DuPage County in developing water quality information to fit the needs of the Stormwater Management Program by regularly participating in the Municipal Engineers Group.

**BMP Status:** The Village of Lisle regularly participates in the Municipal Engineers Group and makes various brochures and fact sheets from various sources available to the public in take-away racks at Village Hall and the Public Works Facility. Example outreach materials included: Water Matters, a Village produced newsletter that includes water quality tips, two fact sheets on deicing – one for contractors and one for residents; *Keep it Clean – Stormwater Management*; *Conservation@Home*; *Thinking about Sealcoating your Driveway?*; *Get the Facts!*; *Clean Water – Everybody's Business*; and *Living on a Stream*.

**BMP No. A.2 Speaking Engagement**

**Brief Description of BMP:** Speaking engagements provide another outlet to inform the public about stormwater issues, procedures, and information.

**Milestones: Year 12:** Encourage staff participation in speaking engagement opportunities.

**BMP Status:** Village staff made the following presentations about stormwater issues during Year 12.

- May 2014 Stormwater Administrator, Marilyn Sucoe completed a presentation titled Stormwater Management Best Management Practices for the National Garden Club, Environmental Studies course series. Discussed the use of rain gardens and rain barrels to reduce runoff and pollution from residential properties.
- February 4, 2015, Stormwater Administrator, Marilyn Sucoe, presented at a Lisle Women's Club meeting discussing the use of rain gardens and rain barrels to reduce runoff and pollution.

**BMP No. A.3** Public Service Announcement

**Brief Description of BMP:** Public service announcements are utilized to reach large groups of people and inform them of issues regarding stormwater management and water quality.

**Milestones: Year 12:** Coordinate with DuPage County to update and air public service announcements on the Lisle Cable TV Channel.

**BMP Status:** The Village uses its website, Facebook, Twitter, YouTube, and Cable to keep residents informed on a variety of stormwater management and water quality topics. Articles on stormwater and floodplain issues run periodically in the Village newsletter, *Neighbors*

**Facebook - postings**

8/27/14 – Rain barrels GREEN! What’s not to like? Rain barrels are easy to install & provide great benefits. They help reduce flooding, keep waterways clean & provide an abundant source of water for landscaping or washing cars. They reduce water bills & can even be decorated. To learn how to install a rain barrel & start enjoying their many benefits, visit <http://www.villageoflisle.org/home/index.asp?page=724>

8/22/14 – Water Quality Video GREEN! Can learning be fun? Watch this 30-second video which provides easy steps you can take to help keep our waterways clean & decide for yourself! (Bet you watch it more than once!)  
<https://www.youtube.com/watch?v=NTUbpIZxU8>

7/17/14 - GREEN! Don’t miss the FINAL Monthly Electronics Recycling Collection Event. Sat, July 19 from 9 AM to noon at 4930 Lincoln Ave. (Route 53). Lisle. For list of items accepted, visit <http://www.villageoflisle.org/home/index.asp?page=721>

**Newsletters**

Lisle *Neighbors* private publication mailed to all Lisle postal customers in the 60532 zip code, bi-monthly publication – 4 pages per publication:

- May/June 2014 Article titled, Enjoy summer while respecting the environment, discussed no stream dumping, proper fertilizing of lawn and pet waste pick up.
- May/June 2014, article titled, Help your Family Preserve the Environment, provided information on non-point source pollution and requested volunteers to stencil next to storm drains, Dump No Waste Drains to River.
- May/June 2014, article advertised Annual DuPage River Sweep to clean trash from East Branch of the DuPage River and Rott Creek.

**BMP No. A.4** Community Event

**Brief Description of BMP:** Community events provide information to the general public about a variety of stormwater management and water quality issues in a relaxed setting. These events can reach a broad group of people comprised of residents, non-residents, and business leaders.

**Milestones: Year 12:** We will participate in the annual DuPage County River Sweep.

**BMP Status:** The Village participated in the DuPage County River Sweep, held on May 17, 2014. Debris and trash pickup was done in Community Park along the East Branch of the DuPage River (0.64 stream miles) and Rott Creek (0.6 stream miles).

Village staff staffed a table at the French market during one Saturday in June, 2014. Displayed a rain barrel and distributed information regarding constructing rain gardens and brochures related to stormwater management; *Water Matters, After the Storm, Make your home the Solution to Pollution, and Thinking about sealcoating your Driveway? Get the facts!*.

**BMP No. A.5** Classroom Education Material

**Brief Description of BMP:** The County of DuPage approved a countywide water quality education program in 2002.

**Milestones: Year 12:** The County of DuPage will establish the necessary resources to support the development and distribution of educational materials throughout the County of DuPage.

**BMP Status:** Educational materials are distributed through SCARCE.

**BMP No. A.6** Other Public Education

**Brief Description of BMP:** Other public education initiatives allow further opportunities to promote stormwater management and water quality issues.

**Milestones: Year 12:** Participate in further opportunities to promote stormwater management and water quality issues and to continue to review and update public education information.

**BMP Status:** Promoted attendance at 2014 Parking Lot Deicing Workshop, October 9, 2014 via e-mails sent to property managers at Village of Lisle, Universal Technical Institute, Benedictine University, Benet Academy, Lisle Park District and Lisle School District 202.

**BMP No. B.3** Stakeholder Meeting

**Brief Description of BMP:** Stakeholder meetings provide the opportunity for individuals and groups of people with a vested interest in stormwater management and water quality to exchange ideas and goals.

**Milestones: Year 12:** Actively participate in the monthly Municipal Engineers Group meetings at DuPage County and the DuPage River Salt Creek Workgroup.

**BMP Status:** Village staff actively participated in the Municipal Engineers Group's

monthly meetings. The Village also actively participated in the DuPage River Salt Creek Workgroup's meetings and initiatives regarding the establishment of TMDL requirements.

A new watershed planning effort for the East Branch of the DuPage River began during this permit period. Village staff attended steering committee meetings held on December 18, 2014, January 8, January 26, and February 19, 2015 as well as a focus group meeting on February 5, 2015. The draft plan addresses water quality, green infrastructure and stormwater and floodplain management.

#### **BMP No. B.4** Public Hearing

**Brief Description of BMP:** Public hearings allow community members, both public and private, to gain insight into different stormwater programs and initiatives. Public information meetings allow for an open forum giving citizens first-hand knowledge of various programs, policies, and projects while giving citizens the opportunity to discuss their viewpoint and provide input concerning appropriate stormwater management, water quality policies, and best management practices.

**Milestones: Year 12:** Review all amendments proposed by DuPage County to the Stormwater and Flood Plain Ordinance, hold public hearings as necessary for any ordinance or watershed plan changes, as well as variance requests.

**BMP Status:** The Village participated in public hearings for the initial phases of the East Branch of the DuPage River Resiliency Plan. The Village hosted the public hearing held on January 14, 2015, which was attended by approximately 25 watershed residents. Additionally, Village staff participated in public meetings held on February 5, February 23 and March 10, 2015.

#### **BMP No. B5** Volunteer Monitoring

**Brief Description of BMP:** Volunteer monitoring provides an opportunity for an interested person to become involved in the collection of water quality data. The collected data can be used to identify impairments to a water body and help develop proposed water quality improvement projects.

**Milestones: Year 12:** Continue support for volunteer monitoring opportunities.

**BMP Status:** As a member of the DuPage River Salt Creek Workgroup, Village staff participates in monitoring projects such as the Basin Assessment for Salt Creek, which is a study of certain water quality parameters.

#### **BMP No. C.1** Storm Sewer Map Preparation

**Brief Description of BMP:** A storm sewer system map, showing the location of all outfalls and the names and location of all waters that receive discharges from those

outfalls, is a critical tool in the detection and elimination of illicit discharges.

**Milestones: Year 12:** Incorporate new outfall and storm sewer information into the GIS database. Field inspectors will continue to verify the locations and attribute information of the outfalls within the GIS database and provide information to the County.

**BMP Status:** The Village storm sewer system map is complete, showing all Village-owned infrastructure. The Village is adding easement information to the map. This map will be updated from time-to-time with data from private and public improvement projects.

**BMP No. C.2 Regulatory Control Program**

**Brief Description of BMP:** The Village and DuPage County established an Intergovernmental Agreement to regulate illicit discharges. DuPage County will monitor outfalls and trace suspicious discharges to their source, while the Village will pursue enforcement action when illicit discharges are found.

**Milestones: Year 12:** Notify DuPage County of any suspicious discharges and work with local property owners to remove or abate illicit discharges.

**BMP Status:** No illicit discharges were discovered in the Village during Year 12.

**BMP No. D.1/D.2/D.4/D.5/D.6 Construction Site Stormwater Runoff Control**

**Brief Description of BMP:** The Village has adopted the Countywide Stormwater and Flood Plain Ordinance and is a complete waiver community for enforcement of the Ordinance within Village limits. The Ordinance requires erosion and sediment control BMPs along with the control of construction material debris. The Village reviews BMP designs prior to construction and inspect sites during construction.

**Milestones: Year 12:** Continue to enforce the Ordinance, participate in the Municipal Engineers Group, field public concerns regarding development sites, and provide staff with appropriate training on permitting and site inspections.

**BMP Status:** The Village performs detailed reviews of the engineering plans for all proposed developments. 123 stormwater permits were issued in Year 12 and permit files were maintained for each project. Village staff regularly attends the monthly Municipal Engineers Group meetings, which occasionally include presentations on new erosion and sediment control technology. Staff proactively inspects construction sites through the development process and addresses violations of the Stormwater and Flood Plain Ordinance at sites as necessary.

**BMP No. E.2/E.3/E.4/E.5/E.6** Post-Construction Stormwater Management

**Brief Description of BMP:** The Village has adopted the Countywide Stormwater and Flood Plain Ordinance and is a complete waiver community for enforcement of the Ordinance within Village limits. The Village requires long term O&M plans accordance with the Ordinance. Staff also reviews BMP designs prior to construction and inspect sites during and after construction.

**Milestones: Year 12:** Continue to enforce the Ordinance, participate in the Municipal Engineers Group, provide staff with appropriate training on permitting and BMPs for reducing post-construction runoff, and field public concerns regarding development sites.

**BMP Status:** The Village regularly assists permit applicants in interpreting the Stormwater and Flood Plain Ordinance throughout the permitting process, particularly in the application of VCBMPs and PCBMPs. Applicants are required to submit record drawings once a permitted project has been constructed and prior to staff conducting a final inspection. Site plans with the location of BMPs are being recorded with the DuPage County Recorder of Deeds office.

**BMP No. F.1** Employee Training Program

**Brief Description of BMP:** The permit requires employee training to prevent and reduce stormwater pollution from activities such as park and open space maintenance, fleet and building maintenance, operation of storage yards, snow disposal, new construction, land disturbances, and stormwater system maintenance.

**Milestones: Year 12:** Continue organizing training sessions and making sessions available to staff.

**BMP Status:**

- Public Works staff attended a seminar hosted by the DuPage River Salt Creek Workgroup on September 25, 2014 titled “Public Works Road Deicing Workshop”.
- Public Works participated in a “Public Works Deicing Questionnaire” sponsored by the DuPage River Salt Creek Workgroup.

**BMP No. F.2** Inspection and Maintenance Program

**Brief Description of BMP:** The Village implements an operation and maintenance program designed to prevent or reduce the discharge of pollutants from the storm sewer system.

**Milestones: Year 12:** Advance the inspection and maintenance program to improve drainage ditches, clean storm sewers and structures, and clear creeks of debris.

**BMP Status:**

- Cleaned 182 storm sewer structures (catch basins, inlets, or manholes)

- Flushed 11,180 linear feet of storm sewers.
- Repaired 17 storm sewer structures (catch basins, inlets, or manholes).
- Swept all village streets 7 times throughout the year.
- Repaired 97 linear feet of storm sewer.
- Conducted Storm water facility inspections during July 2014, October 2014, and March 2015. Each inspection involves visiting 237 sites within the village to maintain storm inlets, outfalls, and detention basin control structures.

### **BMP No. F.3** Municipal Operations Stormwater Control

**Brief Description of BMP:** Municipal operations at the Public Works Facility and other Village facilities are designed to prevent or reduce the discharge of pollutants to the maximum extent practicable.

**Milestones: Year 12:** Continue implementation of appropriate practices to prevent the discharge of pollutants resulting from municipal operations.

**BMP Status:** All maintenance and washing for the Public Works Department fleet is done in the Public Works garage, where floor drains are tributary to triple traps prior to discharging to the sanitary sewer system. Road salt and other materials are stored in covered shelters, or are covered if in open areas, to minimize exposure to rainfall. Lubricant and oil spills resulting from equipment maintenance are typically cleaned up using oil absorbing compounds, rather than hosing down spill areas. The Village recycles vehicle fluids with Maxsafe Antifreeze and Lisle Township.

Grass clippings are removed from streets when turf is mowed by Public Works employees and fertilizers and pesticides are not used within 50 feet of a waterway.

In Year 12, the Village eliminated coal-tar sealants from any Village project.

### **BMP No. F.5** Flood Management/Assess Guidelines

**Brief Description of BMP:** The 1989 Stormwater Management Plan, including Appendix F (Ordinance), restricts future development in the flood plain to facilities that will not adversely affect flood damage potential or wetland environments. Within the floodway, development will be prohibited unless it involves facilities that enhance flood protection; requires preservation of wetlands to maintain their natural flood control and environmental benefits; incorporates water quality and habitat protection measures in all stormwater management activities within DuPage County; and requires regular, planned maintenance of stormwater management facilities.

**Milestones: Year 12:** Continue on-going efforts to ease flooding and flood damages to the maximum extent practicable. Review and revise, as needed, Appendix F and other related appendices. Continue to cooperate with the County of DuPage audit system for non-waiver and



partial-waiver communities for compliance with Appendix F. Track the progress of watershed plans, hydrologic and hydraulic models, and FIRM maps updates as it pertains to the Village of Lisle. Continue to participate in the National Flood Insurance Program's Community Rating System.

**BMP Status:** Village staff participated in the watershed planning efforts in the East Branch of the DuPage River watershed as outlined under Public participation.

The Village also participated in meetings with DuPage County staff regarding new flood insurance studies and mapping.

The Village continues to enforce floodplain regulations.

**C. INFORMATION AND DATA COLLECTION RESULTS**

No monitoring data was collected by the Village of Lisle during the March 2014 to April 2015 reporting period; however, the Village is a co-permittee with DuPage County and partners with the DuPage River Salt Creek Workgroup to monitor the quality of water throughout DuPage County. Monitoring data from this reporting period is presented in DuPage County's Year 12 Annual Facility Inspection Report.

**D. SUMMARY OF NEXT REPORTING PERIOD STORMWATER ACTIVITIES**

The Village plans to undertake the following activities during the April 2015 2014 to March 2016 reporting period:

**BMP No. A.1 Distributed Paper Material**

**Milestones: Year 13:** Assist DuPage County in developing water quality information to fit the needs of the Stormwater Management Program by regularly participating in the Municipal Engineers Group.

**BMP No. A.2 Speaking Engagement**

**Milestones: Year 13:** Encourage staff participation in speaking engagement opportunities.

**BMP No. A.3 Public Service Announcement**

**Milestones: Year 13:** Coordinate with DuPage County to update and air public service announcements on the Lisle Cable TV Channel, Facebook, Twitter, etc.

**BMP No. A.4 Community Event**

**Milestones: Year 13:** Continue community events that pertain to stormwater management, including providing information to residents.

**BMP No. A.5 Classroom Education Material**

**Milestones: Year 13:** Continue the development of education materials and sponsorship of environmental clubs. Review and update classroom education materials as necessary.

**BMP No. A.6 Other Public Education**

**Milestones: Year 13:** Participate in further opportunities to promote stormwater management and water quality issues and continue to review and update public education information.

**BMP No. B.3** Stakeholder Meeting

**Milestones: Year 13:** Actively participate in the monthly Municipal Engineers Group meetings at DuPage County and the DuPage River Salt Creek Workgroup.

**BMP No. B.4** Public Hearing

**Milestones: Year 13:** Review all amendments proposed by DuPage County to the Stormwater and Flood Plain Ordinance, hold public hearings as necessary for any ordinance or watershed plan changes, as well as variance requests.

**BMP No. B5** Volunteer Monitoring

**Milestones: Year 13:** Continue support for volunteer monitoring programs through DuPage County S.C.A.R.C.E. program, along with The Conservation Foundation and the DuPage River Salt Creek Workgroup.

**BMP No. C.1** Storm Sewer Map Preparation

**Milestones: Year 13:** Incorporate new outfall and storm sewer information into the GIS database. Field inspectors will continue to verify the locations and attribute information of the outfalls within the GIS database and provide information to the County.

**BMP No. C.2** Regulatory Control Program

**Milestones: Year 13:** Notify DuPage County of any suspicious discharges and work with local property owners to remove or abate illicit discharges.

**BMP No. D.1/D.2/D.4/D.5/D.6** Construction Site Stormwater Runoff Control

**Milestones: Year 13:** Continue to enforce the Ordinance, participate in the Municipal Engineers Group, provide staff with appropriate training on permitting and site inspections, and field public concerns regarding development sites.

**BMP No. E.2/E.3/E.4/E.5/E.6** Post-Construction Stormwater Management

**Milestones: Year 13:** Continue to enforce the Ordinance, participate in the Municipal Engineers Group, provide staff with appropriate training on permitting and BMPs for reducing post-construction runoff, and field public concerns regarding development sites.

**BMP No. F.1 Employee Training Program**

**Milestones: Year 13:** Continue organizing training sessions and making sessions available to staff.

**BMP No. F.2 Inspection and Maintenance Program**

**Milestones: Year 13:** Advance the inspection and maintenance program to improve drainage ditches, clean storm sewers and structures, and clear creeks of debris.

**BMP No. F.3 Municipal Operations Stormwater Control**

**Milestones: Year 13:** Continue implementation of appropriate practices to prevent the discharge of pollutants resulting from municipal operations.

**BMP No. F.5 Flood Management/Assess Guidelines**

**Milestones: Year 13:** Continue to participate in the National Flood Insurance Program's Community Rating System and implement floodplain regulations.

**E. NOTICE OF QUALIFYING LOCAL PROGRAM**

The Village of Lisle relies on DuPage County for illicit discharge monitoring, tracing, and source removal. During dry weather conditions, County staff surveys outfalls and monitors those that are actively discharging. Analysis is performed on the discharged water for a variety of parameters to determine if the flow consists of stormwater or runoff from one of the 21 allowed uses, as stated in ILR40. The monitoring plan anticipates that all of the outfalls discharging into DuPage County's waterways, including those in the Village of Lisle, will be monitored during the five-year permit cycle.

The Village of Lisle also relies on DuPage County for water quality monitoring of receiving waters to gauge the effects of stormwater discharges on the physical/habitat-related aspects of the receiving waters.

In addition to the Village's extensive Public Education and Outreach, DuPage County conducts regular classroom education on topics including stormwater management, the environment, and water quality.

**F. CONSTRUCTION PROJECT CONDUCTED DURING REPORTING PERIOD**

<u>Project Name/Location</u>	<u>Project Description</u>	<u>Start/End Dates</u>
2014 Street Rehabilitation Program; various streets	Annual resurfacing of local streets throughout the Village of Lisle	June 2014 to November 2014