

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

MARCH 2015 TO FEBRUARY 2016 (YEAR 13) REPORTING PERIOD

VILLAGE OF DOWNERS GROVE, ILLINOIS

A. CHANGES TO BEST MANAGEMENT PRACTICES

There have been no changes to the Village of Downers Grove's Best Management Practices (BMPs) for the reporting period from March 2015 to February 2016.

B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS

The Village of Downers Grove 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 March 2015 to February 2016 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 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 Status: The Village of Downers Grove 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: 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: Year13: Encourage staff participation in speaking engagement opportunities.

BMP Status: Village staff made the following presentations about stormwater issues during Year 13.

- Sustainability in Stormwater Funding at the Illinois Collection Systems Conference, 6.18.15
- Stormwater Utility, One Town's Story at the IAFSM Conference 3.10.16
- Striving Towards Sustainability at the 5th Annual Sustainability Conference, 5.8.15
- Flood Plain 101 at the Downers Grove Baird & Warner Office, 5/8/15
- Managing Your Stormwater at Home at VODG, 3/18/15

- Funding for Stormwater Utilities, IAFSM Conference 5/21/15

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 13: Coordinate with DuPage County to update and air public service announcements on the Downers Grove Cable TV Channel and utilize social media to inform the public of issues regarding stormwater management and water quality.

BMP Status: The Village uses its website, Facebook, Twitter, YouTube, and RSS Feeds/Podcasts to keep residents informed on a variety of stormwater management and water quality topics, particularly as related to the Stormwater Utility. The Village airs a 22-minute program titled *After the Storm* and a 30-second commercial titled *Don't Muddy the Waters* on the local access channel. Each video airs approximately 40-50 times per year. Articles on flood insurance, rain barrels, and the Stormwater Utility run periodically in the Village Newsletter, *Hometown Times*. From time-to-time, the weekly Village e-News elicits help from residents to clear debris from storm sewer inlets.

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 13: Continue local community events that pertain to stormwater management, including providing information to residents during the Village's Public Works Open House.

BMP Status: The Village held its annual Public Works Open House on May 15, 2015. The event was advertised on the local access channel and over 150 people attended the event. Village staff distributed stormwater information to the public at the Open House. The Village also participated in the Conservation Foundations River Sweep with 10 volunteers.

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

BMP Status: The Village requires storm sewer grates with an integrated permanent label reading “DUMP NO WASTE – DRAINS TO RIVER” in new developments. The Village also actively participates with the DuPage River Salt Creek Workgroup’s public education and outreach efforts.

BMP No. B.1 Public Panel

Brief Description of BMP: Being aware of public opinion can assist in creating programs that address concerns effectively.

Milestones: Year 13: Provide support to and communicate with the Village’s Environmental Concerns Commission.

BMP Status: A staff liaison attends the monthly meetings of the Environmental Concerns Commission and assists the Commission with various initiatives, including the DIY Rain Garden Workshop, cooking and motor oil collection at Village Hall, a prescription drug drop-off program, and the Green Business Recognition Program.

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 13: 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 DuPage County Municipal Engineers Group’s monthly meetings and the DuPage River Salt Creek Workgroup’s initiatives regarding the establishment of TMDL requirements and a Memorandum of Understanding regarding the use of Coal Tar based sealants.

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 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 Status: The Village holds regular meetings of the Stormwater and Flood Plain Oversight Committee. This Committee also schedules public hearings for variance requests related to the Stormwater and Flood Plain Ordinance, as needed. No variances were issued in Year 13.

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 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 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 13: Incorporate new outfall and storm sewer information into the GIS database.

BMP Status: The Village storm sewer system map is complete, showing all Village-owned infrastructure. The Village is in the process of adding the locations of mandatory PCBMPs installed since implementation of the revised Countywide Stormwater and Flood Plain Ordinance in 2012. 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 13: Notify DuPage County of any suspicious discharges and work with local property owners to remove or abate illicit discharges.

BMP Status: One illicit discharge was discovered in the Village during Year 13. In August fuel odors in the storm sewer near Downers Grove North High School were noticed. The State Fire Marshall's office was contacted and they assisted us in the investigation to determine where the odor was originating. During remodeling of a pre-1970 building at 1021 Ogden Ave., a utility line was bored through an undocumented underground storage tank. A total of four underground storage tanks were found during excavation activities and have been emptied and removed from the property, along with associated impacted fill and soil material. IEMA Incident No.: H2015-0938

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 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 Status: The Village performs detailed reviews of the engineering plans for all proposed developments. 49 stormwater permits were issued in Year 13 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 addresses violations of the Stormwater and Flood Plain Ordinance at active construction sites and answers questions from the public.

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 in accordance with the Ordinance. Staff also reviews BMP designs prior to construction and inspect sites during and after construction.

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 Status: The Village regularly assists permit applicants in interpreting the Stormwater and Flood Plain Ordinance throughout the permitting process, particularly in the application of PCBMPs. Applicants are required to submit record drawings once a permitted project has been constructed and prior to staff conducting a final inspection.

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

BMP Status: Six Village employees attended over twenty different training events, including *Drainage System Maintenance, Checking in on Post Construction Stormwater Management and What to do about Trashy Watersheds.*

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. The Village's storm sewer system includes over 12 miles of ditches, 32 miles of storm sewer, and over 2,600 storm sewer structures.

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

BMP Status: The following maintenance was performed on the storm sewer system in Year 13: 186 catch basins were cleaned; 56 drainage structures were repaired or installed; 20,000 feet of storm sewer was televised; 20,000 feet of storm sewer was cleaned; inspected and maintained 25 storage facilities; and 7,000 feet of roadside ditches were re-graded.

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 13: 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 basins prior to discharging to the sanitary sewer system. Road salt and other materials are stored in covered shelters 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 has contracted with Downers Grove Sanitary District for proper disposal of waste, and vehicle fluids are recycled or otherwise disposed of properly.

The Village maintains a Memorandum of Understanding with the DuPage River Salt Creek Workgroup to refrain from the use of coal-tar sealants from any Village project

BMP No. F.5 Flood Management/Assess Guidelines

Brief Description of BMP: The Village adopted a Watershed Infrastructure Improvement Plan on September 18, 2007. The study presented specific solutions for each major watershed in the Village. The first phase of implementation is increasing maintenance, the second phase is accessing the infrastructure, and the last phase is construction of recommended infrastructure improvements.

Milestones: Year 13: Implement projects identified in the 2014 Stormwater Project Analysis Report as budget permits and continue to participate in the National Flood Insurance Program's Community Rating System.

BMP Status: The first two phases of implementation of the Watershed Infrastructure Improvement Plan is complete. The Village is now in phase three and the implementation of the Stormwater Utility in Year 10 has helped the Village construct infrastructure improvements necessary to reduce flooding. The Village continues to participate in the Community Rating System and has recently received an upgrade to a rating of 6.

Following the April 18, 2013 storm event, the Village prepared an extensive Staff Report on the April 2013 Flood Event. The 2014 Stormwater Project Analysis prioritizes and details construction approach in the remaining areas of concern identified in the Watershed Improvement Plan and subsequent storm event reports.

C. INFORMATION AND DATA COLLECTION RESULTS

No monitoring data was collected by the Village of Downers Grove during the March 2015 to February 2016 reporting period; however, the Village of Downers Grove 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 13 Annual Facility Inspection Report.

D. SUMMARY OF NEXT REPORTING PERIOD STORMWATER ACTIVITIES

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

BMP No. A.1 Distributed Paper Material

Milestones: Year 13: Assist DuPage County to publish two stormwater pollution prevention articles regarding one of the following topics: use and management of household chemicals, the hazards associated with illegal discharges and improper disposal of waste, the importance of green infrastructure, and the impact of climate change. Make the brochures and fact sheets available at Village Hall and the Public Works Facility.

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 Downers Grove Cable TV Channel and utilize social media to inform the public of issues regarding stormwater management and water quality.

BMP No. A.4 Community Event

Milestones: Year 13: Continue community events that pertain to stormwater management, including providing information to residents during the Village's Public Works Open House.

BMP No. A.5 Classroom Education Material

Milestones: Year 13: DuPage County is acting as a qualifying local program.

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. Continue to require storm

sewer grates with an integrated permanent label reading “DUMP
NO WASTE – DRAINS TO WATERWAYS”.

BMP No. B.1 Public Panel

Milestones: Year 13: Provide support to and communicate with the Village's Environmental Concerns Commission.

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. B.6 Program Involvement

Milestones: Year 13: DuPage County is acting as qualified local provider.

BMP No. B.7 Other Public Involvement

Milestones: Year 13: Identify any environmental justice areas within the Village using the website link: <http://epa.gov/environmentaljustice/>.

BMP No. C.1 Storm Sewer Map Preparation

Milestones: Year 13: Incorporate new outfall and storm sewer information into the GIS database.

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. C.3/C.5/C.7/C.8 Illicit Discharge

Milestones: Year 13: DuPage County is acting as qualified local provider.

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. E.7 Other Post-Construction Runoff Controls

Milestones: Year 13: The Village will identify and begin a Monitoring Program. The Village will begin developing a process to assess flood control projects for the impacts associated with climate change.

BMP No. F.1 Employee Training Program

Milestones: Year 13: Continue annual stormwater pollution prevention training for Public Works Department employees and include contractors, if possible.

BMP No. F.2 Inspection and Maintenance Program

Milestones: Year 13: Continue conducting formal inspection and maintenance. Review the program for effectiveness and update the program as needed. Begin training employees or contractors in the routine maintenance, repair, or replacement of green infrastructure.

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: Implement projects identified in the 2014 Stormwater Project Analysis Report as budget permits and continue to participate in the National Flood Insurance Program's Community Rating System.

BMP No. F.6 Other Municipal Operations Controls

Milestones: Year 13: Actively participate in the watershed group and attempt implement recommended control measures.

E. NOTICE OF QUALIFYING LOCAL PROGRAM

The Village of Downers Grove 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 Downers Grove, will be monitored during the five-year permit cycle.

The Village of Downers Grove 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 PROJECTS CONDUCTED DURING REPORTING PERIOD

- Lacey Creek Streambank Stabilization between Barneswood Drive and I-88
- Parking Lot H Reconstruction
- Roadway Reconstruction, Clyde Estates
- Roadway Reconstruction Maple Ave, Fairview to Cumnor
- Roadway Reconstruction, Orchard Brook East

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