

Village of Elk Grove Village
NPDES Permit No. ILR40 0334

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
2016-2017 ANNUAL FACILITY INSPECTION REPORT ATTACHMENTS
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)
YEAR 14

A. CHANGES TO BEST MANAGEMENT PRACTICES

No changes occurred during 2016 – 2017 reporting cycle.

B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS

1. Public Education and Outreach

BMP A.1: Distributed Paper Material (Newsletter)

The Village newsletter, *Elk Grove Villager*, contains periodic stormwater related articles throughout the given year to assist in Public Education. The Village used the newsletter this cycle to communicate various stormwater-related information to residents and business owners. See attached sample newsletters from April, June and September 2016. *Newsletters allow for “fair” access and are available to all in the community.*

BMP A.3: Public Service Announcement (Cable TV)

Two (2) separate Public Service Announcements were transmitted on the cable TV municipal access channel this reporting period and involved Public Works Staff (see attached screen shots). *Cable TV is a “fair access” means for communicating with the public important stormwater-related matters.*

BMP A.6: Other Public Education (Village Website)

An updated Storm Water specific section was added to the Village website in the during the Year 12 cycle and continues to be monitored and updated. This section of the website contains: information about motor oil’s environmental impact and proper disposal methods, information regarding the storage and disposal of common household items that are harmful to our waterways and past NPDES Permits (see attached samples). *The website is a “fair access” means for communicating with residents and businesses. If there is suitable information regarding the ever-changing climate and its effect on pollution prevention for waterways, it will get posted in the future.*

2. Public Participation/Involvement

BMP B.4: Public Hearing (Meeting)

Hosted a public meeting during the January 24, 2017 Village Committee of the Whole Meeting. Village Trustees, Staff and attendees were educated on the IEPA's National Pollutant Discharge Elimination Program (please see attached meeting notice and PowerPoint presentation).

BMP B.7: Other Public Involvement (Cleanup Event; Tree Planting)

A local volunteer group, Friends of Critters, Salt Creek Watershed Network, hosted "Salt Creek Clean Up" day on June 4, 2016. A fall cleanup corresponding to leaf pickup was also emphasized in the fall of 2016 (see the attached September 2016 newsletter sample). The Village planted 650 trees during the past cycle.

3. Illicit Discharge Detection & Elimination

BMP C.1: Storm Sewer Map Preparation

The Storm Sewer System is mapped and edits and revisions are made as needed when incorrect information is found (see attached copy dated 2/9/2017).

BMP C.2: Regulatory Control Program (Ordinance)

The Ordinance was reviewed and no revisions were deemed necessary.

BMP C.3: Detection/Elimination Prioritization Plan

BMP C.4: Illicit Discharge Tracing Procedures

BMP C.5: Illicit Source Removal Procedures

The joint approach by the Metropolitan Water Reclamation District of Greater Chicago (MWRD) and all departments of the Village has resulted in a comprehensive approach to detecting and eliminating illicit discharges. The Village responds with appropriate resources including a Hazardous Materials Team, trained Public Works personnel, Health Inspectors, and Community Development Inspectors depending on the situation. Some requests for assistance are generated from MWRD, and MWRD is notified and assistance requested as appropriate. The outfalls are checked minimally on a quarterly basis for debris and illicit discharges. Prior to forecasted major rain or snow melt events, the outfalls are checked for debris and illicit discharges as well in supplement to the quarterly checks.

BMP C.7: Visual Dry Weather Screening (Outfall Inspections)

A GIS map was created of all Village outfall locations. Outfall locations will be monitored during periods of dry weather and results/pictures of the area will be catalogued in the Village GIS system (see attached sample).

BMP C.10: Other Illicit Discharge Controls ("Drains to Waterways")

All frames and grates purchased by the Village are cast with “Drains to Waterways” text. Replacement of existing frames and grates continues as required, typically during the Street Maintenance program and as part of storm sewer repairs based on complaints.

BMP C.10: Other Illicit Discharge Controls (Visual Monitoring Inspections)

During the past reporting cycle, the Village established a new water monitoring program. Beginning in the upcoming reporting cycle the Village will begin collecting water samples twice a year (spring and fall), during a period of dry weather from Salt Creek, where the creek enters the Village limits at Arlington Heights Rd and exits the Village limits at Devon Ave. Water samples will be collected and tested for Total Nitrogen calculated Gas Diffusion, Total Oil & Grease SPE, Total Suspended Solids, Phosphate Total as P by Lachat, Fecal Coliform by Membrane Filter for Wastewater, and Chloride by IC. Records will be stored in the Village’s NPDES files.

4. Construction Site Runoff Control

BMP D.1: Regulatory Control Program (Ordinance)

The new MWRD Watershed Management Ordinance became effective on May 1, 2014 and was amended on July 10, 2014. This ordinance, along with Village Ordinance 8-12-9: Soil Erosion and Sedimentation Control, is used to enforce soil erosion and sediment control requirements with developments.

BMP D.2: Erosion and Sediment Control BMPs

Construction Permits require that an appropriate SWPPP be developed. These requirements are enforced during the site plan review process.

BMP D.4: Site Plan Review Procedures

Site plans are reviewed for SWPPP and erosion control during the plan review process.

BMP D.6: Site Inspection/Enforcement Procedures

All sites inspected as required for compliance.

5. Post-Construction Runoff Control

BMP E.2: Regulatory Control Program

Post construction BMPs are installed, regulated and inspected per MWRDs Watershed Management Ordinance.

BMP E.3: Long Term O&M Procedures

All known BMPs were inspected as needed. Inspection of erosion control measures were completed, no maintenance was required during the reporting period. MWRD Ordinance requires all property owners performing a development to have a Long Term O&M Procedural Plan.

BMP E.4: Pre-Construction Review of BMP Designs

Reviewed plans and suggested inclusion of BMP designs where appropriate and when required by MWRDs Watershed Management Ordinance.

BMP E.5: Site Inspections During Construction

Inspected BMPs during construction to ensure compliance with approved plans along with required weekly inspecting and inspections after ½ inch of rain fall.

6. Pollution Prevention/Good Housekeeping

BMP F.1: Employee Training Program

Two employees received NPDES Training from the APWA (registration and agenda attached). Appropriate Police, Fire, and Public Works personnel have received at a minimum Hazardous Materials Awareness training performed by certified trainers from the Fire Department in past cycles. Three employees also received winter salt operations training from the APWA (certifications verifying attendance are attached).

BMP F.2: Inspection and Maintenance Program

A total of 54 catch basins, inlets, and storm sewer mains were cleaned, repaired or rebuilt. Over 4,150 linear feet of various sized storm sewer pipe were cleaned of debris. The debris was removed primarily by vacuum truck and disposed of as non-toxic debris.

Street sweeping of all Village streets was accomplished three times for the business park and four times for the residential area during the reporting period. Over 2,000 miles of street gutters/curbs were swept during the reporting period. Debris generated from those activities was disposed of as non-toxic debris.

BMP F.3: Municipal Operation Storm Water Control

Debris was removed from storm grates as conditions dictated. Deicing materials are stored in a permanent structure. All fertilizers, pesticides, or other chemicals are stored indoors.

BMP F.4: Municipal Operations Waste Disposal

During the reporting period; all non-toxic debris generated by municipal operations such as storm sewer cleaning, and similar activities was removed and disposed of by a contractual service. The Village Fleet Services stored lubricants in a waste oil tank and they were picked up by a licensed waste hauler. Coolant waste is stored in barrels and picked up by a licensed recycler. Street sweeping debris was disposed of by the Village's Solid Waste Hauler.

BMP F.5: Flood Management/Assessment Guidelines

This BMP has not been reported in the past. The Village is part of the National Flood Insurance Program (NFIP) and focuses Village resources on the reduction of flooding throughout the Village. The Village continues to make a

concentrated effort to keep all drains and waterways open throughout the duration of heavy rainfalls. During the 2016 reporting period the Village continued to remove and reconstruct culverts underneath roadways as needed.

BMP F.6: Other Municipal Operations Controls

During the reporting period, municipal vehicles were routinely washed at wash stations, the triple basins were cleaned as required.

C. INFORMATION COLLECTED & MONITORING DATA

No monitoring or data gathering was conducted during the reporting period.

The U.S. Census Bureau Quick Facts for the Village of Elk Grove Village demographics is attached. Some extracted data is below:

<i>2014 Estimated Population</i>	<i>33,379</i>
<i>Poverty Percentage</i>	<i>6.1%</i>
<i>White (not Hisp.) Pop. Percentage</i>	<i>77.5%</i>
<i>Hispanic Pop. Percentage</i>	<i>9.5%</i>
<i>Asian Pop. Percentage</i>	<i>10.1%</i>
<i>Black Pop. Percentage</i>	<i>1.4%</i>
<i>Misc. Pop. Percentage</i>	<i>1.5%</i>

D. Summary of planned activities for the 2017-2018 reporting period

Best Management Practice	Planned Activity	Timeline
BMP A.1	Publish storm water quality content in the Village Newsletters	Summer of 2017
BMP A.3	Broadcast a Public Service Announcement on the cable TV municipal access channel.	Throughout the 2017 - 2018 reporting cycle.
BMP A.6	Update storm water quality content on the Village Website.	Routine checks of content throughout the 2017 – 2018 reporting period.
BMP B.4	Schedule a public hearing	Fall of 2017
BMP B.7	Meet with and assist groups as needed.	Summer of 2017
BMP C.1	Continue to edit the Storm Sewer System atlas as improvements are made and revisions are needed when incorrect information is found.	Routine checks of content throughout the 2017 – 2018 reporting period.
BMP C.2	Review the ordinance for changes	Winter 2017 – 2018
BMP C.3, BMP C.4, BMP C.5	Continue the joint approach by the MWRD and all departments of the Village to detect and eliminate illicit discharges when detected	Continue to coordinate and meet with appropriate MWRD staff throughout the 2017 – 2018 reporting period.
BMP C.10	Replace frames & grates with ones cast with “Drains to Waterways” text as required. Begin monitoring and sample collecting of upstream and downstream locations along Salt Creek.	Continued monitoring of grates throughout the 2017 – 2018 reporting period. Begin sample collecting program throughout the 2017 – 2018 cycle.
BMP D.1	Review and change as necessary in conjunction with the Watershed Management Ordinance by MWRD	Winter 2017 - 2018
BMP D.2	Require appropriate SWPPPs as a requirement of the Construction Permits when appropriate.	Throughout the 2017 – 2018 reporting period.

BMP D.4	Review site plans for SWPPP & erosion control plans.	Throughout the 2017 – 2018 reporting period.
BMP D.6	MWRD and property owners inspect all sites as required for compliance	Throughout the 2017 – 2018 reporting period.
BMP E.2	Encourage installation of post construction BMPs on sites greater than 1 acre where practical.	Throughout the 2017 – 2018 reporting period.
BMP E.3	Inspect all known BMPs as needed.	Throughout the 2017 – 2018 reporting period.
BMP E.4	Review plans and suggested inclusion of BMP designs where appropriate.	Throughout the 2017 – 2018 reporting period.
BMP E.5	Inspect BMPs during construction to ensure compliance with approved plans.	Throughout the 2017 – 2018 reporting period.
BMP F.1	Train appropriate Village personnel in Hazardous Materials Awareness.	Throughout the 2017 – 2018 reporting period.
BMP F.2.1	Repair, rebuild, and clean catch basins, inlets, and storm sewer mains.	Throughout the 2017 – 2018 reporting period.
BMP F.2.2	Street sweep Village streets as needed	Scheduled cleaning in the Summer, Fall and late Winter of 2017 – 2018. Additional sweeping as needed.
BMP F.3	Remove debris from storm grates as conditions dictate. Continue to store deicing materials and any chemicals in proper locations.	Routine checks of grates condition throughout the 2017 – 2018 reporting period.
BMP F.4	Proper continued disposal of Municipal Waste.	Throughout the 2017 – 2018 reporting period as needed.
BMP F.5	Continued participation in the NFIP, flood reduction infrastructure improvements, and ensure open waterways and drains during heavy periods of rain.	Routine checks of water ways during heavy periods of rain throughout the 2017 – 2018 reporting period.
BMP F.6	Clean municipal vehicles at wash stations and clean triple basins as needed.	Throughout the 2017 – 2018 reporting period as needed.

E. NOTICE OF RELIANCE ON ANOTHER GOVERNMENT ENTITY

The Metropolitan Water Reclamation District of Greater Chicago responds and assists with the detection and elimination of illicit discharges. The MWRDGC is a special district recognized under the laws of the State of Illinois with authority to enforce Ordinances. The District enforces Appendix A – Discharges To Waterways of their sewage and waste control ordinance and the Watershed Management Ordinance.

F. CONSTRUCTION PROJECTS PAID BY THE VILLAGE OF ELK GROVE VILLAGE

Over the last year the Public Works Department has implemented the design and construction of over 4,500 feet of culvert replacement throughout the Village, improvements to 2 miles of mainline and 7 miles of secondary drainage channels in the business park to prevent flooding, 19.5 miles of sanitary sewer lining, over 4 miles of Village road rehabilitation, 2 miles of median enhancements on Busse Road, 11 rail road spur crossing replacements, and the installation of 4 Business Park Gateway Signs.