

# Village of Elk Grove Village

IEPA NPDES General Permit No. ILR40-0334

## Storm Water Management Program (SWMP)

For discharges from Small Municipal Separate Storm Sewer Systems (MS4)

October 2019 to March 2021

October 2, 2019

### A. General Information

1. Storm Water Management Program contact:

Name: Brian Southey  
Title: Superintendent of Administration  
Public Works Department  
Mailing Address: Village of Elk Grove Village  
901 Wellington Avenue  
Elk Grove Village, IL 60067  
Public Works Dept.: (847) 734-8800  
Village Hall: (847) 439-3900  
Email Address: [BSouthey@elkgrove.org](mailto:BSouthey@elkgrove.org)

2. State Authority Contact:

Name: Mr. Alan Keller, PE  
Title: Manager, Permit Section  
Mailing Address: Illinois Environmental Protection Agency  
Division of Water Pollution Control  
Permit Section  
P. O. Box 19276  
Springfield, IL 62794-9276  
Email Address: [epa.ms4noipermit@illinois.gov](mailto:epa.ms4noipermit@illinois.gov)

### B. Governmental entities in which MS4 is located:

1. Cook County

### C. Names of known receiving waters:

1. Unnamed Tributary to Meacham Creek
2. Higgins Creek
3. Tributary A to Higgins Creek
4. Tributary B to Higgins Creek
5. Unnamed Tributary to Willow Creek
6. Salt Creek West Branch
7. Salt Creek Lower Reach
8. Salt Creek Tributary 3
9. Salt Creek Tributary 6
10. Salt Creek Tributary 7

**D. Storm Water Management Program Requirements:**

1. The [Village] must develop, implement, and enforce a storm water management program designed to reduce the discharge of pollutants from [its] small municipal separate storm sewer system (MS4) to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act. The storm water management program must include the 6 Minimum Control Measures (MCMs). The U.S. Environmental Protection Agency's National Menu of Storm Water Best Management Practices (<https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu>) and the most recent version of the Illinois Urban Manual should be consulted regarding the selection of appropriate BMPs.
2. You may partner with other MS4s to develop and implement your storm water management program.
3. For further details on the requirements for each of the 6 MCMs, please refer to the latest version of the General NPDES Permit No. ILR40.

**E. Minimum Control Measures (MCMs):**

1. Public Education and Outreach – (MCM 1)
2. Public Participation/Involvement – (MCM 2)
3. Illicit Discharge Detection and Elimination – (MCM 3)
4. Construction Site Runoff Control – (MCM 4)
5. Post-Construction Runoff Control – (MCM 5)
6. Pollution Prevention/Good Housekeeping – (MCM 6)

**F. SWMP Organizational Responsibility:**

1. MCMs 1, 2, 3, and 6:  
Name: Bryan Grippo  
Title: Deputy Director of Operations  
Phone: 847-734-8800
2. MCM 4 and 5:  
Name: Mary Jo Pye, PE  
Title: Director of Community Development  
Phone: 847-357-4220

**G. Best Management Practices (BMPs):**

**A. Public Education and Outreach**

- A.1 Distributed Paper Material
- A.2 Speaking Engagement
- A.3 Public Service Announcement
- A.4 Community Event
- A.5 Classroom Education Material
- A.6 Other Public Education

**B. Public Participation/Involvement**

- B.1 Public Panel
- B.2 Educational Volunteer
- B.3 Stakeholder Meeting
- B.4 Public Hearing
- B.5 Volunteer Monitoring
- B.6 Program Coordination
- B.7 Other Public Involvement

**C. Illicit Discharge Detection and Elimination**

- C.1 Storm Sewer Map Preparation
- C.2 Regulatory Control Program
- C.3 Detection/Elimination Prioritization Plan
- C.4 Illicit Discharge Tracing Procedures
- C.5 Illicit Source Removal Procedures
- C.6 Program Evaluation and Assessment
- C.7 Visual Dry Weather Screening
- C.8 Pollutant Field Testing
- C.9 Public Notification
- C.10 Other Illicit Discharge Controls

**D. Construction Site Runoff Control**

- D.1 Regulatory Control Program
- D.2 Erosion and Sediment Control BMPs
- D.3 Other Waste Control Program
- D.4 Site Plan Review Procedures
- D.5 Public Information Handling Procedures
- D.6 Site Inspection/Enforcement Procedures
- D.7 Other Construction Site Runoff Controls

**E. Post-Construction Runoff Control**

- E.1 Community Control Strategy
- E.2 Regulatory Control Program
- E.3 Long Term O&M Procedures
- E.4 Pre-Const Review of BMP Designs
- E.5 Site Inspections during Construction
- E.6 Post-Construction Inspections
- E.7 Other Post-Const Runoff Controls

**F. Pollution Prevention/Good Housekeeping**

- F.1 Employee Training Program
- F.2 Inspection and Maintenance Program
- F.3 Muni Operations Storm Water Control
- F.4 Municipal Operations Waste Disposal
- F.5 Flood Management/Assess Guidelines
- F.6 Other Municipal Operations Controls

**Statement of Fairness** – All BMPs shall and will be implemented, conducted, regulated, or enforced fairly throughout the entire Village as appropriate and applicable.

**Revisions** – Since the NOI was prepared in 2013, BMPs B.4, F.4, and F.5 have been added, and B.3 has been discontinued.

## MCM 1

### 1. Public Education and Outreach

#### Purpose

The purpose of Public Education and Outreach as part of the Village's Stormwater Management Program (SWMP) is to educate and inform the public about the impact of pollutants and stormwater runoff on receiving waterways and the steps that the public can take to lessen these negative impacts on stormwater quality.

#### A1: Distributed Paper Material (Newsletters)

1. Description of BMP:

The Village Newsletter, *Elk Grove Villager*, will be used periodically to provide stormwater relevant information on a variety of topics to the public. Public Works items, duties, and concerns may also be highlighted from time to time. Cleanup events will be emphasized and listed in the calendar of events that is included within a newsletter. The newsletters and event flyers are mailed to all residences and businesses within the Village and/or will be posted on the Village website. The newsletters are planned to be issued typically six (6) times per year, but the issue months may vary from time to time. Publication can be affected by budget and staffing availabilities.

Distributed paper material will be fairly distributed via mass-mailing and available to all within the Village via the Village website.

2. Target Audience: Village residents and business owners

3. Measurable Goals:

- a. Quantity of articles
- b. Frequency of distribution
- c. Public awareness
- d. Reduced pollutants

4. Schedule:

- a. Ongoing
- b. Planned issues throughout typical year: January, March, May, June, September, and November
- c. Begun in previous cycles

### **A3: Public Service Announcement (Cable TV)**

1. Description of BMP:

The Village's Public Service Cable TV municipal access channel will be used to post or present Public Service Announcements (PSAs) containing various stormwater-related content. This content may be prepared or presented by Public Works Staff and appear on the station multiple times per day in a typical month. Content will be changed from time to time. Cable TV is a "fair access" means for communicating with the public important stormwater-related content.

2. Target Audience: Village residents

3. Measurable Goals:

- a. Number of notices
- b. Public awareness
- c. Reduction in stormwater related problems
- d. Improved awareness
- e. Reduced pollutants

4. Schedule:

- a. Ongoing
- b. Runs 24/7
- c. Begun in previous cycles

### **A6: Other Public Education (Website)**

1. Description of BMP:

The Village website will be used throughout the year to post a variety of stormwater, flooding, and public works information. Information regarding public services such as street sweeping, tree trimming, leaf collection, and snow plowing will be posted. Flyers for cleanups or other future programs would also be posted. Cook County or other drop off locations for electronic recycling may be posted on a regular basis. Rain Barrel information may be posted. Postings may be provided in languages other than English to reach a wider audience. Targeted topics include information about motor oil's environmental impact, proper disposal of common household items that are harmful to the Village's waterways, and past NPDES permits. The Village website is a fair and equitable means to reach Village residents and business owners.

The following items are required under the ILR40 permit to be posted on the Village website:

- PDF copy of latest Notice-of-Intent (NOI) for the ILR40 permit renewal
- PDF copy of this Storm Water Management Program (SWMP)
- PDF copies of at least the latest 5 Annual Reports

2. Target Audience: Village residents and business owners
  
3. Measurable Goals:
  - a. Website hits and usage
  - b. Public awareness
  - c. Reduced pollutants
  
4. Schedule:
  - a. Ongoing
  - b. To be used throughout the year
  - c. Begun in previous cycles

## MCM 2

### 2. Public Participation and Involvement

#### Purpose

The purpose of Public Participation and Involvement is to involve and engage the Village's residents and business owners through active participation in stormwater management.

#### B4: Public Hearing (Meeting)

1. Description of BMP:

The Village will hold an annual informational Public Meeting that will be used to inform the public about such topics as stormwater, flooding, pollution control, the six (6) minimum controls, program changes, new permit requirements, or other MS4-related items. The meeting will typically highlight the 6 minimum control measures and the Village's compliance status with same. The forum for the meeting will be before or during a typical Village Board meeting. The meeting will be publicized to the public according to typical Board meeting notification procedures.

2. Target Audience: Meeting attendees and Board/Council members

3. Measurable Goals:

- a. Number of participants
- b. Public questions
- c. Public awareness
- d. Meeting agendas and minutes

4. Schedule:

- a. Ongoing
- b. Hold public meeting annually
- c. Begun in previous cycles

#### B7: Other Public Involvement (Cleanup Event; Tree Planting)

1. Description of BMP:

The Village will hold annual cleanup events typically hosted by a volunteer group. An example group is the Friends of Critters of the Salt Creek Watershed Network which hosts "Salt Creek Clean Up" events for the past 25 years. The most recent event was held on 6/8/19 and are typically held in the month of June. Fall cleanups are also emphasized to correspond with leaf pickup and may vary between October or November each year. The Village also has a tree planting program and has planted as many as 650 trees during a typical reporting cycle.

2. Target Audience: Village residents and business owners
  
3. Measurable Goals:
  - a. Items collected (tons of trash)
  - b. Number of participants
  - c. Number of volunteer groups
  - d. Debris reduction
  - e. Improved awareness
  - f. Reduced pollutants
  - g. Number of trees planted
  
4. Schedule:
  - a. Annual events in spring/early summer and/or fall, or both
  - b. The spring/early summer event is typically in June
  - c. The fall event is typically October or November
  - d. Ongoing
  - e. Begun in previous cycles



## MCM 3

### 3. Illicit Discharge Detection and Elimination

#### Purpose

The purpose of Illicit Discharge Detection and Elimination is to identify the source of illicit discharges and eliminate them. There are two primary situations that can contribute illicit discharges within the Village: 1) non-stormwater runoff from contaminated sites or, 2) the deliberate discharge or dumping of non-stormwater items into storm sewer systems and receiving waterways. And illicit discharges can occur through direct or indirect connections to storm sewer systems or receiving waterways. Pollutants from these discharges can be extremely harmful to water quality.

#### C1: Storm Sewer Map Preparation

1. Description of BMP:

The Village has an up-to-date Storm Sewer Map on which sizes, information and outfalls are shown. The map is GIS-based and will be reviewed on a regular (annual) basis for potential updates and revisions as needed or as new development occurs. The map will be used as a source for locating or obtaining information concerning outfalls, storm sewers, or storm structures.
2. Measurable Goals:
  - a. Updated storm sewer atlas
  - b. Review annually
3. Schedule:
  - a. As budget allows, update the storm sewer atlas as soon as is practicable when revisions are needed
  - b. On a yearly basis, compile new updates to be added to the atlas
  - c. Perform file update (as needed) or at least once every 5 years

#### C2: Regulatory Control Program (Ordinance)

1. Description of BMP:

The Village Ordinance, 7-2-6, addresses issues related to Illicit Discharges. The Village will continue to enforce this ordinance and other development ordinances through its plan review process and inspection procedures. The Village ordinances are posted on the Village website. Periodically, the Village will review the regulatory program and ordinance adequacy and make any updates or revisions as needed. The Village also refers to the MWRD Sewer Use ordinance that includes portions that address issues related to Illicit Discharge.

2. Measurable Goals:
  - a. Ordinance effectiveness
  - b. Current applicability
  
3. Schedule:
  - a. Ongoing enforcement of all Village ordinances
  - b. Review the regulatory program and ordinance adequacy annually
  - c. Update and adopt any changes as needed

### **C3: Detection/Elimination Prioritization Plan**

1. Description of BMP:

The Village has written Illicit Discharge Detection and Elimination Procedures for outfall inspections. Procedures will include inspections, tracing procedures, and removal procedures. The procedures will be reviewed for adequacy and any updates or revisions made as needed.
  
2. Measurable Goals:
  - a. Procedures effectiveness
  - b. Current applicability
  - c. Reduced pollutants
  
3. Schedule:
  - a. Established initially then ongoing enforcement
  - b. Review the procedures for adequacy in the third year of the permitting cycle
  - c. Perform update (as needed) at least once every 5 years

### **C4: Illicit Discharge Tracing Procedures**

1. Description of BMP:

After outfall inspections under BMP C7 and typical storm sewer inspections, the source of any discovered contaminants or illicit discharges will be traced and investigated. Periodic inspection of residential, commercial or industrial areas should be conducted on an annual basis as may be necessary. Storm sewer systems should be inspected and cleaned where needed. Inspections and source tracing may also lead to recommended catch basin or inlet vacuuming/cleaning. Storm sewer jetting is an option in some circumstances.
  
2. Measurable Goals:
  - a. Clean outfalls
  - b. Removal of any illicit discharges

3. Schedule:
  - a. Ongoing
  - b. Conduct inspections annually and follow-up tracing as needed

#### **C5: Illicit Source Removal Procedures (Locate and Eliminate Illicit Discharges)**

1. Description of BMP:

After outfall inspections under BMP C7 and tracing procedures under BMP C4, any discovered contaminants or illicit discharges will be eliminated as much as is practicable. If tracing procedures lead to specific industrial or commercial areas as the source, proper warnings or notices will be given to property owners to cease causal activities.
2. Agency Cooperation:

A joint approach setup by the Metropolitan Water Reclamation District of Greater Chicago (MWRD) and all departments of the Village will be used as a comprehensive approach to detect and eliminate illicit discharges. The Village will respond 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 will be generated by MWRD, and MWRD will be notified what assistance will be given as appropriate for the situation.
3. Measurable Goals:
  - a. Clean outfalls
  - b. Removal of any illicit discharges
  - c. Frequency of requests
4. Schedule:
  - a. Ongoing
  - b. Conduct inspections annually and follow-up elimination as needed
  - c. Provide assistance as needed

#### **C7: Visual Dry Weather Screening (Outfall Inspections)**

1. Description of BMP:

The dry weather screening program will consist of inspecting outfalls and logging the results on an appropriate inspection form and/or catalogued in the Village GIS system. Inspections shall take place no sooner than 72 hours after a rain event. Photos of the outfalls may or may not be taken. The target goal is to inspect the Village outfalls on a quarterly basis. Any discovered illicit discharges will flag the suspect outfall for follow-up tracing and removal procedures.

2. Measurable Goals:
  - a. Clean outfalls
  - b. Inspection of outfalls quarterly
  - c. Reduced illicit discharges
  
3. Schedule:
  - a. Perform inspections in dry weather times throughout the year, but primarily in the warm weather months no sooner than 72 hours after a rain event
  - b. Priority outfalls to be inspected at least quarterly

**C10: Other Illicit Discharge Controls (“Drains to Waterways”)**

1. Description of BMP:

The Village will require that all new frames and grates purchased by the Village be cast with “Drains to Waterways” text imprinted on the grates. As part of the Village’s replacement program, existing grates will be replaced during the Street Maintenance program as storm sewer repairs are made based on typical complaints.
  
2. Measurable Goals:
  - a. Replacement of grates
  - b. Improved awareness
  
3. Schedule:
  - a. Perform replacements in conjunction with repairs as needed
  - b. Install new stamped grates for new structures as they are constructed

**C10: Other Illicit Discharge Controls (Visual Monitoring Inspections)**

4. Description of BMP:

Visual Monitoring Inspections at upstream and downstream locations along the receiving watercourses will be performed as part of this BMP. Since the Village population is over 25,000 (i.e., 33,379 per 2014 estimate), it has opted for a combination of visual monitoring and water sampling. Beginning in the Fall of 2017, the Village began taking water samples during dry weather conditions from Salt Creek where the creek enters the Village limits at Arlington Heights Road and exits the Village limits at Devon Avenue. Water samples will be 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. These records will be stored in the Village’s NPDES files.

5. Measurable Goals:

- a. Illicit discharge detection at upstream and downstream locations of watercourses
- b. Identification of potential source location
- c. Reduced Pollutants
- d. Number of water samples taken

6. Schedule:

- a. Ongoing
- b. Annually

## MCM 4

### 4. Construction Site Runoff Control

#### Purpose

The purpose of Construction Site Runoff Control is to control the pollutants commonly discharged from construction sites, such as sediment, solid and sanitary wastes, pesticides and fertilizers, oil and grease, and construction debris. All these contaminants can be detrimental to the chemical, biological, and physical aspects of water quality, with sedimentation being the most common pollutant generated from construction sites.

#### D1: Regulatory Control Program (Erosion and Sediment Control Ordinance)

1. Description of BMP:

The Village Ordinance #8-12-9, Soil Erosion and Sedimentation Control, regulates soil erosion and sediment control in runoff from construction sites. The Village ordinances are posted on the website. Article 4 of the Watershed Management Ordinance (WMO) used by MWRD is also in effect and regulates erosion and sediment control. The WMO became effective on May 1, 2014. The Village continues to enforce these ordinances and other development ordinances through the plan review process.

2. Measurable Goals:

- a. Ordinance enforcement through the plan review process
- b. Reduced soil erosion and sediment

3. Schedule:

- a. Ongoing enforcement
- b. Periodic review of ordinance effectiveness and applicability

#### D2: Erosion and Sediment Control BMPs

1. Description of BMP:

Erosion and Sediment Control BMPs are required under the current ordinance and these requirements are enforced through the plan review process. Required site BMPs will be reviewed for effectiveness. Consideration will be given for any changes in the requirements warranted due to new or emerging technologies.

2. Measurable Goals:

- a. Ordinance enforcement
- b. Reduced soil erosion and sediment

3. Schedule:
  - a. Ongoing enforcement
  - b. Periodic review of ordinance effectiveness and applicability

#### **D4: Site Plan Review Procedures**

1. Description of BMP:

Development plans will continue to be reviewed under local and MWRD ordinances by Village Staff and/or engineering consultants, especially regarding stormwater and erosion and sediment control measures. Projects over one acre will continue to be required to submit a Notice of Intent prior to construction. A SWPPP is required with plan sets for developments larger than one acre.
2. Measurable Goals:
  - a. Ordinance enforcement
  - b. Reduced soil erosion and sediment
3. Schedule:
  - a. Ongoing enforcement
  - b. Periodic review of ordinance effectiveness and applicability

#### **D6: Site Inspection/Enforcement Procedures**

1. Description of BMP:

Weekly inspection reports will continue to be required from developers of active projects. Periodic or surprise audit inspections may be conducted by the Village as needed. The inspections will typically be documented on appropriate forms. Developers will be informed of any noted deficiencies in their site's erosion and sediment control measures. Copies of the documentation will be filed.

A graduated step approach with escalation in enforcement measures will be used to achieve compliance, such as initial reporting of deficiencies, notification of possible enforcement measures such as stop work orders and ticketing by the Police Department, drawing on Letter of Credit monies or Performance Bond to have the measures implemented, and potential legal proceedings.
2. Measurable Goals:
  - a. Ordinance enforcement
  - b. Reduced soil erosion and sediment
3. Schedule:
  - a. Ongoing enforcement

- b. Periodic inspections will be conducted as deemed necessary depending on level of activity at a site and on weather conditions
- c. Inspections of sites for which the Village is responsible will be conducted weekly and after 0.5" or greater rain events



## MCM 5

### 5. Post-Construction Runoff Control

#### **Purpose**

The purpose of Post Construction Runoff Control is to minimize the amount and frequency of pollutants in stormwater runoff on post-construction sites to the maximum extent practicable.

#### **E2: Regulatory Control Program (Post Construction Runoff Control Ordinance)**

1. Description of BMP:

The Village Ordinance #8-12-9, Soil Erosion and Sedimentation Control, regulates soil erosion and sediment control in runoff from construction sites. The Village ordinances are posted on the website. Article 4 of the Watershed Management Ordinance (WMO) used by MWRD is also in effect and regulates erosion and sediment control. The WMO became effective on May 1, 2014. The Village continues to enforce these ordinances and other development ordinances through the plan review, construction and post-construction process.

2. Measurable Goals:

- a. Ordinance enforcement through the plan review process
- b. Reduced soil erosion and sediment

3. Schedule:

- a. Ongoing enforcement
- b. Periodic review of ordinance effectiveness and applicability

#### **E3: Long Term O&M Procedures**

1. Description of BMP:

Long Term Operation and Maintenance (O&M) Procedures related to erosion and sediment control are required under the current ordinance and these requirements are enforced during the plan review process prior to construction. The MWRD Ordinance requires all property owners performing a development to have a Long-Term O&M Procedural Plan.

2. Measurable Goals:

- a. Ordinance enforcement
- b. Reduced soil erosion and sediment

3. Schedule:
  - a. Ongoing enforcement
  - b. Periodic review of ordinance effectiveness and applicability

#### **E4: Pre-Construction Review of BMP Designs**

1. Description of BMP:

Erosion and Sediment Control BMPs are required under the current ordinance and these requirements are enforced through the plan review process prior to construction. Required site BMPs will be reviewed for effectiveness. Consideration will be given for any changes in the requirements warranted due to new or emerging technologies.
2. Measurable Goals:
  - a. Ordinance enforcement
  - b. Reduced soil erosion and sediment
3. Schedule:
  - a. Ongoing enforcement
  - b. Periodic review of ordinance effectiveness and applicability

#### **E5: Site Inspections during Construction**

1. Description of BMP:

Weekly inspection reports will continue to be required from developers of active projects. Periodic or surprise audit inspections will be conducted by the Village as needed during the construction process. The inspections will typically be documented on appropriate forms. Developers will be informed of any noted deficiencies in their site's erosion and sediment control measures. Copies of the documentation will be filed.

A graduated step approach with escalation in enforcement measures will be used to achieve compliance, such as initial reporting of deficiencies, notification of possible enforcement measures such as stop work orders and ticketing by the Police Department, drawing on Letter of Credit monies or Performance Bond to have the measures implemented, and potential legal proceedings.

2. Measurable Goals:
  - a. Ordinance enforcement
  - b. Reduced soil erosion and sediment

3. Schedule:

- a. Ongoing enforcement
- b. Periodic inspections will be conducted as deemed necessary depending on level of activity at a site and on weather conditions
- c. Inspections of sites for which the Village is responsible will be conducted weekly and after 0.5" or greater rain events

## MCM 6

### 6. Pollution Prevention and Good Housekeeping

#### Purpose

The purpose of Pollution Prevention/Good Housekeeping is to improve and/or protect waterways by improving typical municipal operations. Poor operating procedures can allow polluted runoff that collects on street, parking lots, open spaces, and storage and maintenance areas to enter receiving water bodies. Excessive sodium chloride in runoff can be a harmful pollutant in waterways, and best management practices are critical for management of road salt usage. Similarly, motor oil or other vehicle fluid residue on pavement can end up in waterways and cause other water quality problems. Pollutants can also accumulate if stormwater conveyance systems are poorly maintained or if improper land development and floodplain management practices are used.

#### F1: Employee Training Program

1. Description of BMP:

Appropriate employees will be provided training for pollution prevention measures, such as training in the use of salt spreading, distribution rates, proper snow-plowing, procedures for disposal of oil, salt storage, fuel dispensing, handling of solvents, outfall inspections, monitoring, catch basin cleaning, construction site inspections or audits, etc. Training on Green Infrastructure and Hazardous Materials Awareness will also be pursued for applicable employees.

Appropriate employees will be provided refresher training or information to reinforce the established pollution measures in place. This may involve the use of various videos applicable to the subject matter.

2. Measurable Goals:

- a. Conduct at least one training session per year
- b. Informed staff

3. Schedule:

Various times of year on an annual basis

#### F2: Inspection and Maintenance Program

1. Description of BMP:

Routine inspection and maintenance of Village streets, storm sewers, storm inlets and catch basins, ditches, swales, and stormwater detention facilities are part of the typical Public Works responsibilities. This includes street sweeping, storm structure

vacuuming, jetting, or repair, and debris, branch and leaf collection. Systems and facilities are primarily under continuous surveillance rather than on a rigidly established schedule; however, some scheduling is involved.

2. Measurable Goals:

- a. Keep Village systems in top operating condition
- b. Reduced pollutants or contaminants

3. Schedule:

- a. Ongoing and as needed
- b. Street-sweeping – will be performed 3–4 times throughout the year during the seasonal months (typically April through October)
- c. Inlets/Catch Basins – will be inspected and maintained as needed throughout the year – needed repairs may be performed in-house or by contractor. Catch basins will be cleaned per a 2 to 3-year cycle, or as needed.
- d. Storm sewers – will be inspected and cleaned or jetted on an as needed basis throughout the year – significant maintenance issues may not be able to be repaired immediately and may require special budgeting and scheduling depending on severity and impacts to drainage.
- e. Detention ponds/basins – Village-owned detention basins will be inspected periodically and maintained as needed – debris will be cleared from outlets as necessary to promote proper drainage. Other detention basins will be similarly inspected and maintained if proper easements allow for Village access.
- f. Culverts – if under Village control, will be inspected and debris removed as needed
- g. Ditch, swale or creek cleaning – will be inspected and cleaned as needed on an annual basis
- h. Snow Plowing and Deicing – roadways under the Village control will be plowed of snow and deiced as needed during the cold weather months and performed on a yearly basis
- i. Leaf Pickup – will be done during the month of November if the leaves are placed in biodegradable bags. Dates for leaf pickup will be posted on the Village website.
- j. Maintenance Yard – will be kept clean and tidy to facilitate public works functions

### **F3: Municipal Operations Storm Water Control**

1. Description of BMP:

The BMPs for municipal operations for stormwater control will be reviewed for effectiveness and audited for compliance with the program. Revisions will be made as necessary. Typical municipal operations will continue to adhere to established and

known stormwater control measures. Deicing materials are to be stored in a permanent structure. All fertilizers, pesticides, or other chemicals are to be stored indoors away from any storm drains.

2. Measurable Goals:
  - a. Program effectiveness
  - b. Program compliance
  - c. Reduced pollutants or contaminants
  
3. Schedule:
  - a. Ongoing
  - b. Yearly review to take place in February or March

#### **F4: Municipal Operations Waste Disposal**

1. Description of BMP:

The BMPs for municipal operations for waste control will be reviewed for effectiveness and audited for compliance with the program. Revisions will be made as necessary. Typical municipal operations will continue to adhere to established and known waste disposal measures. Waste disposal is typically logged and may be handled directly by Village staff or through a contracted disposal service. Fluids such as oil and coolant from vehicle maintenance are collected and disposed of per typical methods as mentioned above. Triple basins are routinely cleaned per typical procedures. Spilled fuel is mopped up with an absorbent product or similar material and disposed of properly.
  
2. Measurable Goals:
  - a. Program effectiveness
  - b. Program compliance
  - c. Reduced pollutants or contaminants
  
3. Schedule:
  - a. Ongoing
  - b. Yearly review to take place in February or March

#### **F5: Flood Management/Assessment Guidelines**

1. Description of BMP:

The Village is part of the National Flood Insurance Program (NFIP) and focuses Village resources of the reduction of flooding throughout the Village. The Village will make a concentrated effort to keep all drains and waterways open during heavy rainfalls. The Village Ordinance includes Title 8-11 which enforces floodplain and flood hazard

regulations for any development in or near to floodplains. The MWRD WMO is also applicable and enforced with new developments. Development plans will be reviewed for compliance with applicable ordinances and policies regarding flood management and for compliance with IDNR-OWR and FEMA regulations. Where applicable, developers will be required to submit for and obtain a Letter of Map Revision (LOMR) from FEMA.

2. Measurable Goals:

Reduced flooding and flood reduction

3. Schedule:

a. Ongoing

b. Development reviews as needed by Village staff and/or its engineering consultant.

**F6: Other Municipal Operations Controls**

1. Description of BMP:

The Village wash municipal vehicles at wash stations. Triple basins will be cleaned per a schedule or as needed.

2. Measurable Goals:

c. Program effectiveness

d. Program compliance

e. Reduced pollutants or contaminants

3. Schedule:

a. Ongoing

b. Yearly review to take place in February or March

## H. Monitoring, Recordkeeping, and Reporting:

### 1. Monitoring:

Monitoring shall include at least annual monitoring of receiving waters upstream and downstream of the MS4 discharges, use of indicators to gauge the effects of stormwater discharges on the physical/habitat-related aspects of the receiving waters, and/or monitoring of the effectiveness of the BMPs.

### 2. Recordkeeping:

- a. The Village must keep records required by the ILR40 permit for up to 5 years after the expiration date of the permit. The current permit expires on February 28, 2021.
- b. All records shall be kept onsite or locally available and shall be made accessible to the Agency (IEPA) for review at the time of an on-site inspection.
- c. Except as otherwise required by the ILR40 permit, the Village must submit its records to the IEPA only when specifically asked to do so.
- d. As required by the ILR40 permit, the following (at a minimum) must be posted on the Village website:
  - i. Current Notice of intent (NOI)
  - ii. Storm Water Management Program/Plan (SWMP)
  - iii. Annual reports (the last 5 years)
- e. Storm sewer maps may be withheld for security reasons.

### 3. Reporting:

- a. The Village must submit annual reports to the IEPA by the first day of June (**June 1**) for each year that the ILR40 permit is in effect.
- b. If the Village maintains a website, a copy of the latest annual report shall be posted on the website by June 1 of each year.
- c. Each report shall cover the period from March of the previous year through March of the current year. Please refer to the ILR40 permit for the list of items the annual report must include.

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**I. Revisions:**

1. 10/2/19 – Initial plan draft
- 2.
- 3.
- 4.
- 5.