Village of Pingree Grove
Stormwater Management Program

Project No.: 18-920

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1.0 EXECUTIVE SUMMARY

The Village of Pingree Grove has developed this Storm Water Management Program (SWMP) in an effort to reduce the discharge of pollutants from the Village's Municipal Separate Storm Sewer System (MS4), to the maximum extent practicable in order to protect water quality and satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations and the Clean Water Act. This SWMP is consistent with the requirements of the National Pollutant Discharge Elimination System (NPDES) General NPDES Permit No. ILR40 for Discharges from Small Municipal Separate Storm Sewer Systems.

The Village of Pingree Grove SWMP is a comprehensive document which combines six smaller Control Measure Programs. Together, these individual programs identify potential sources of pollution expected to affect the quality of storm water discharges and describe the proper implementation of best management practices (BMPs) selected to reduce or eliminate erosion, sedimentation, and pollutants in storm water discharges to the Village's MS4. As a condition of the General NPDES Permit No. ILR40, the following documents will be posted on the Village's website:

- This SWMP document
- Village's Notice of Intent for Permit Coverage under NPDES ILR40
- Annual Facility Inspection Report
- Community Engagement/Educational Materials

The Notice of Intent for Renewal of General Permit for Discharges from small Municipal Separate Storm Sewer Systems – MS4's shall be submitted 180 days prior to the expiration date of the permit. A new NOI shall be submitted within 30 days of a change in operator or the addition of a new operator. The Annual Facility Inspection Report shall be submitted by the first day of June each year with the appropriate documentation.

2.0 CONTROL MEASURE PROGRAMS

2.1 Public Education and Outreach

The Village of Pingree Grove recognizes the important role that the community has in protecting the quality of the storm water discharges to the Village's Municipal Separate Storm Sewer System (MS4) and waters of the state. To that end, the Village has prepared a Public Education and Outreach Program in order to inform citizens of the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

This program involves distributing educational paper material to the public. It also includes the distribution of hard copies of educational material to developers during the planning phase of projects. The Village will keep brochures stocked at the Village Hall and has a link to the materials on their webpage. Other links to stormwater pollution prevention and green infrastructure can also be found on their webpage. These links on the webpage will be current, accessible, and reviewed on an annual basis.

2.1.1 BMP A.1 Distributed Paper Material

Brief Description of BMP

As part of the distributed paper material BMP, Pingree Grove will make educational materials available at the Village Hall and on the Village website for the public. Educational materials will also be distributed to developers as part of the site plan review process. The educational materials will include information on green infrastructure strategies and climate change.

Measurable Goal(s), including frequencies:

The Village of Pingree Grove will review and update the educational materials on an annual basis, as necessary.

Year	Milestones
2019-2020 - Year 1	Create handouts/educational materials/website and make materials available at the Village Hall and website to the Public. Materials will be distributed to developers during the planning phase of site development.
2020-2021 – Year 2	Review/update handouts/educational materials/website as necessary and make materials available at the Village Hall and website to the Public. Materials will be distributed to developers during the planning phase of site development.
2021-2022 – Year 3	Review/update handouts/educational materials/website as necessary and make materials available at the Village Hall and website to the Public. Materials will be distributed to developers during the planning phase of site development.
2022-2023 – Year 4	Review/update handouts/educational materials/website as necessary and make materials available at the Village Hall and website to the Public. Materials will be distributed to developers during the planning phase of site development.
2023-2024 - Year 5	Review/update handouts/educational materials/website as necessary and make materials available at the Village Hall and website to the Public. Materials will be distributed to developers during the planning phase of site development.

2.2 Public Involvement/Participation

General

The Village of Pingree Grove recognizes the important role that the community has in protecting the quality of the storm water discharges to the Village's Municipal Separate Storm Sewer System (MS4) and waters of the state. Consequently, the Village has prepared a Public Involvement/Participation Program in order to inform citizens of the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff.

The Village will identify environmental justice areas within its corporate limits and document findings along with any applicable strategies to mitigate issues related to environmental justice.

Public Meeting

An annual public meeting will be held specifically for the MS4 program to present the components of the program and allow for verbal and written feedback from the public. In addition to general information on the MS4 program, the Village will present its findings regarding environmental justice areas within its jurisdiction and allow for public feedback.

Volunteerism

This program depends on community involvement. The Village should encourage members of the community to participate in the nature/natural area cleanup days and medication drives. The number of participants and activities performed should be documented. Medications can be dropped off throughout the year at the police station as detailed below.

Pingree Grove Police Department
Note: No syringes/needles
1 Police Plaza, Pingree Grove, IL 60140 / 847-464-4600
Hours: M-F 7:30am-2:30pm

Public Reporting

The Village of Pingree Grove will provide an email hotline on the Village's webpage for the purpose of public reporting of any storm water related issues, including but not limited to, illegal dumping and suspicious discharges. Using the email provided, residents will be able to contact the Village at any time. The storm water contacts web page should be current, accessible, and reviewed on an annual basis.

2.2.1 BMP No. B.2 Educational Volunteer

Brief Description of BMP

As part of the Educational Volunteer BMP, Pingree Grove will encourage volunteer cleanup days throughout the year. Currently, the local schools do cleanup activities as a part of Arbor Day observance and little league participants do cleanups 2-3 times per year.

Measurable Goal(s), including frequencies:

The Village of Pingree Grove encourage volunteer cleanup days, specifically Arbor day within the local schools and little league participation.

Year	Milestones
2019-2020 - Year 1	Encourage participation in local cleanup volunteer days.
2020-2021 – Year 2	Encourage participation in local cleanup volunteer days.
2021-2022 – Year 3	Encourage participation in local cleanup volunteer days.
2022-2023 – Year 4	Encourage participation in local cleanup volunteer days.
2023-2024 - Year 5	Encourage participation in local cleanup volunteer days.

2.2.2 BMP No. B.4 Public Hearing

Brief Description of BMP

As part of the public hearing BMP, Pingree Grove will hold an annual public meeting for the public to provide input on the MS4 program. An overview of the Village SWMP will be presented. As environmental justice areas are identified by

the Village, these will be presented at the public hearings to get feedback on the Village's stormwater program as it relates to environmental justice.

Measurable Goal(s), including frequencies:

The Village of Pingree Grove will organize an annual public meeting where the public can submit comments on the MS4 program. Comments will be able to be submitted verbally and in writing.

Year	Milestones
2019-2020 - Year 1	Hold an annual public meeting. Attendance of individuals and comments made at the meeting will be documented.
2020-2021 – Year 2	Hold an annual public meeting. Attendance of individuals and comments made at the meeting will be documented.
2021-2022 – Year 3	Hold an annual public meeting. Attendance of individuals and comments made at the meeting will be documented.
2022-2023 – Year 4	Hold an annual public meeting. Attendance of individuals and comments made at the meeting will be documented.
2023-2024 - Year 5	Hold an annual public meeting. Attendance of individuals and comments made at the meeting will be documented.

2.2.3 BMP No. B.7 Public Reporting

Brief Description of BMP

The Village of Pingree Grove will set up an email and phone hotline on the Village's webpage for the purpose of public reporting of any stormwater-related issues and assist in the coordination of medication drop-off drives. Pingree Grove Police Department currently accepts medication drop-offs and can be reached at the location below. Additionally, there are drop off drives for prescription drugs once or twice a year that the village will assist in coordinating.

Measurable Goal(s), including frequencies:

The Village will establish an email and phone hotline in Year 1 and will review and update on an annual basis. The Village will assist in coordinating the medicine drop-off drives.

Year	Milestones
2019-2020 - Year 1	The Village will develop a webpage/email and phone hotline for the public to report stormwater-related issues. The Village will document the number of complaints received per year. The number of households participating in the medication drive will be documented.
2020-2021 - Year 2	The Village will review/update the webpage/email and phone hotline as necessary and document the number of complaints received per year. The Village will coordinate with medication drives and document the number of households that participated.
2021-2022 - Year 3	The Village will review/update the webpage/email and phone hotline as necessary and document the number of complaints received per year. The Village will coordinate with medication drives and document the number of households that participated.
2022-2023 - Year 4	The Village will review/update the webpage/email and phone hotline as necessary and document the number of complaints received per year. The Village will coordinate with medication drives and document the number of households that participated.
2023-2024 - Year 5	The Village will review/update the webpage/email and phone hotline as necessary and document the number of complaints received per year. The Village will coordinate with medication drives and document the number of households that participated.

2.3 Illicit Discharge Detection and Elimination

This document contains the Village of Pingree Grove's strategy to detect and eliminate illicit discharges to the MS4 conveyance system in accordance with the Village's Storm Water Management Plan (SWMP) and the Village's planned Illicit Discharge Detection and Elimination (IDDE) Ordinance. This plan includes illicit discharge definitions, an outfall screening procedure, a source identification procedure, a list of active facilities that discharge into Village's MS4, and an outfall inspection check list.

Illicit Discharge

Illicit discharge is any discharge to a MS4 conveyance system that is not composed entirely of storm water, except naturally occurring floatables, such as leaves or tree limbs. Examples of illicit discharges are sanitary wastewater, septic tank effluent, oil disposal, radiator flushing disposal, laundry wastewater, roadway accident spillage, and household hazardous wastes.

Illicit discharges can be categorized as either direct or indirect. Examples of direct illicit discharges include: sanitary wastewater including piping that is directly connected from a home to the storm sewer, materials (e.g., used motor oil) that have been dumped illegally into a storm drain, a shop floor drain that is connected to the storm sewer, or a cross-connection between the sanitary sewer and storm sewer systems. Examples of indirect illicit discharges include a damaged sanitary sewer line that is leaking into a storm sewer line or a failing septic system that is leaking into a storm sewer line or causing surface discharge into the storm sewer.

Pingree Grove's SWMP need not address the following categories of non-storm water discharges or flows unless the MS4 operator identifies them as significant contributors of pollutants to the MS4 conveyance system. Therefore, in the interim, the Village will not consider those items listed in Table 1 as illicit discharges. However, if in the future the Village determines any of these activities to be illicit discharges, the Village will update its IDDE Plan accordingly.

Table 1: Exempted Non-Storm Water Discharges

Exempted Non-Storm Water Discharges	
Water Line and Fire Hydrant Flushing	Irrigation Water
Landscape Irrigation	Springs
Rising Ground Waters	Water from Crawl Space Pumps
Ground Water Infiltration	Footing Drains
Pumped Ground Water	Lawn Watering
Potable Water Sources	Individual Residential Car Washing
Foundation Drains	Flows from Riparian Habitats and Wetlands
Air Conditioning Condensation	Dechlorinated Swimming Pool Discharges
Firefighting Activities	Storm Sewer Cleaning Water
Routine Ext. Building Wash down (no detergents)	Residual Street Wash Water
Pavement Wash Waters*	Dechlorinated Water Reservoir Discharges

*Not for spills of toxic or hazardous materials.

Outfall Screening

The Village of Pingree Grove will perform dry weather screening on 25% of its storm water outfalls with a pipe diameter of twelve inches or larger and open ditches with a two foot or larger bottom width on an annual basis. An Outfall Inventory and Outfall Screening Checklist will be utilized to track outfall screening activities. The Village defines dry weather as a period in which there has been no rainfall or no more than one-tenth (.1) of an inch of rain within a seventy-two (72) hour period.

The goal of the screening will be to locate pipes or ditches that have dry weather discharges and to test discharges to identify pollutants (if necessary). Results of initial screening will be utilized to identify priority outfalls for illicit discharge elimination or additional illicit discharge screening.

Field inspectors will conduct and document physical observations at each storm water outfall. For those outfalls proceeded by a retention pond, the inspector will conduct and document physical observations of the conveyance that leads to the pond. In the event an outfall or pond conveyance system is discharging during dry weather and physical observations warrant, the inspector will conduct and document a series of in-field water quality tests.

When in-field water quality testing is warranted, at a minimum, dry weather discharges shall be screened for pH, temperature, conductivity, and E.coli. If visual observations and in-field tests suggest water quality problems, the inspector may choose to collect additional samples for further laboratory analysis. The outfall inspector will utilize the outfall inspection checklist at the end of this document in order to accurately record all outfall observations. Table 2 identifies potential water quality parameters that may be monitored by field inspectors.

Table 2: Water Quality Test Parameters and Uses

WATER QUALITY TEST	REASON FOR TEST	METHOD
Conductivity	Used as indicator of dissolved solids	Handheld field meter – Oakton pH/CON10 or equivalent
Temperature	Sanitary wastewater and industrial cooling water can substantially influence outfall temperatures; this is most useful during cold weather.	Handheld field meter – Oakton pH/CON10 or equivalent
pH	Extreme pH values may indicate commercial or industrial flows; not useful in determining the presence of sanitary wastewater.	Handheld field meter – Oakton pH/CON10 or equivalent
Ammonia – Nitrogen	High levels can be an indicator of the presence of sanitary wastewater.	Hach Field Test Kit and laboratory analysis if deemed appropriate.
Phosphorus	Used to indicate the presence of sanitary wastewater.	Hach Field Test Kit and laboratory analysis if deemed appropriate.
E. coli	Used to indicate the presence of sanitary wastewater.	Coliscan Easygel and laboratory analysis if deemed appropriate.
Oil and Grease	Used to indicate the presence of oil and grease that would indicate a definite illicit discharge.	Laboratory Analysis if deemed appropriate.
Metals	Dissolved iron exposed to air oxidizes and reduces dissolved oxygen levels.	Laboratory Analysis if deemed appropriate
Optical Brighteners	Used to indicate the presence of laundry detergents (which often contain fabric whiteners, which cause fluorescence).	Untreated cotton pad surrounded by mesh bag placed in storm drain outlet, manhole, or catch basin; left for 5-7 days. Then cotton pad placed under UV light.

Source Identification

The Village of Pingree Grove will attempt to identify the source of all dry weather discharges. Recognizing that most dry weather discharges will not be constant, the Village understands that identifying the source of 100% of all illicit discharges is unlikely.

For each dry weather discharge, the inspector, after conducting the visual observations and outfall testing, will utilize the Village's storm sewer map and follow the drainage ditch or identify the closest upstream manhole with a junction in an attempt to identify the general location from which the discharge originates. If, from following the drainage ditch or inspecting the manhole, the inspector cannot determine the direction from which the discharge originates, he or she will continue following the drainage ditch or to the next upstream manhole until he or she can pinpoint the source or the general vicinity from where the discharge is originating. If the inspector cannot identify the specific source through visual observation or if the trail of the discharge dissipates, a dye test, smoke test, or video inspection may be necessary to determine the source of the discharge.

Dye Testing

If an inspector is able to narrow down the likely source of a discharge to a few homes or businesses, the Village will dye test one building at a time. Non-toxic dye will be flushed into toilets, sinks and other drains, and then storm sewer and sanitary sewer manholes and storm sewer outfalls will be observed to check for presence of the dye. Prior to testing, the Village will contact building owners and occupants to obtain access to the buildings. The County Health Department will be notified so they will be prepared to respond to citizen calls and/or questions. Two or more Village staff will be equipped with two-way radios with one person inside the building and the others stationed at appropriate opened manholes and/or outfalls. The inside person will drop dye into a plumbing fixture and run a sufficient amount of water to move the dye through the plumbing system. The inside person will then radio the outside crew so they can watch for the dye and record the presence or absence of dye.

Smoke Testing

If dye tests prove unsuccessful, the Village may opt to conduct smoke testing. A smoke test involves injecting non-toxic smoke into storm sewer lines and then noting the

emergence of smoke from sanitary sewer vents in illegally connected buildings or from cracks and leaks in the storm sewer lines. The injection will be done by placing a smoke bomb in the storm sewer manhole below ground and forcing air in after it. Village staff will be stationed at points of suspected illegal connections or cracks/leaks, noting any escape of smoke. Prior to performing tests, the Village will inform building owners and occupants in the area, as well as, police and fire departments.

Video Inspection

Video inspections involve filming the storm sewer system and tracking a discharge to its source.

Identification of Active Facilities in the MS4 Area

All active facilities located within the Village of Pingree Grove's MS4 area (as of May 2015), will be on file with the village. This list will be updated annually to ensure that the list is current. This listing will assist in identifying potential pollutants of concern as well as potential sources of illicit discharges.

Illicit Discharge Detection and Elimination Reporting

The inspectors responsible for outfall screening and identifying illicit discharges will maintain a database that documents all activities associated with the Village's IDDE Plan ranging from mapping, outfall screening, source identification and enforcement. All activities associated with this plan will be documented and submitted with the Village's annual Facility Inspection Report.

Annual program evaluation will determine the program strengths and deficiencies. As new technology is developed, these procedures may be incorporated to this plan for improved efficiency. The result of a successful IDDE program will be improved stream, lake, and river water quality within the Village of Pingree Grove and surrounding communities.

2.3.1 BMP No. C.1 Storm Sewer Map Preparation

Brief Description of BMP

The Village of Pingree Grove is currently mapping its storm sewer system. The map will show the location of all outfalls and the names and locations of all receiving waters.

Measurable Goal(s), including frequencies:

Storm Sewer System Map should be updated annually to maintain an accurate representation of all storm sewer outfalls.

Year	Milestones
2019-2020 - Year 1	Complete storm sewer system map.
2020-2021 – Year 2	Update storm sewer system map as needed.
2021-2022 – Year 3	Update storm sewer system map as needed.
2022-2023 – Year 4	Update storm sewer system map as needed.
2023-2024 - Year 5	Update storm sewer system map as needed.

2.3.2 BMP No. C.2 Regulatory Control Program

Brief Description of BMP

The Village of Pingree Grove will develop and update their stormwater ordinances as needed to address illicit discharges.

Measurable Goal(s), including frequencies:

The Village will review and update their stormwater ordinances annually as needed.

Year	Milestones
2019-2020 - Year 1	The Village shall develop their stormwater ordinance to include a section on Illicit Discharge Detection and Elimination.
2020-2021 – Year 2	The Village shall review and update their stormwater ordinances as needed.
2021-2022 – Year 3	The Village shall review and update their stormwater ordinances as needed.
2022-2023 – Year 4	The Village shall review and update their stormwater ordinances as needed.
2023-2024 - Year 5	The Village shall review and update their stormwater ordinances as needed.

2.3.3 BMP No. C.3 Detection/Elimination Prioritization Plan

Brief Description of BMP

The Village of Pingree Grove will develop, implement and enforce an Illicit Discharge Detection & Elimination (IDDE) program.

Measurable Goal(s), including frequencies:

The Village will develop an IDDE Program in Year 1 Employee training, documentation and review/updating the IDDE Program will occur annually thereafter.

Year	Milestones
2019-2020 - Year 1	The Village will develop an Illicit Discharge Detection and Elimination (IDDE) Program.
2020-2021 – Year 2	The Village will implement and enforce the IDDE Program. Employees will be trained on their responsibilities under the IDDE Program. Employees will document instances of Illicit Discharge Detection and the actions taken to correct it. IDDE Program will be reviewed and updated as necessary.
2021-2022 – Year 3	The Village will review and update the IDDE Program. Employees will have refresher training on their responsibilities under the IDDE Program. Employees will document instances of Illicit Discharge Detection and the actions taken to correct it. IDDE Program will be reviewed and updated as necessary.

2022-2023 – Year 4	The Village will review and update the IDDE Program. Employees will have refresher training on their responsibilities under the IDDE Program. Employees will document instances of Illicit Discharge Detection and the actions taken to correct it. IDDE Program will be reviewed and updated as necessary.
2023-2024 - Year 5	The Village will review and update the IDDE Program. Employees will have refresher training on their responsibilities under the IDDE Program. Employees will document instances of Illicit Discharge Detection and the actions taken to correct it. IDDE Program will be reviewed and updated as necessary.

2.3.4 BMP No. C.7 Visual Dry Weather Screening

Brief Description of BMP

The Village of Pingree Grove will conduct periodic inspections of the storm sewer outfalls during dry weather periods to detect non-storm water discharges.

Measurable Goal(s), including frequencies:

The Village will inspect all storm sewer outfalls annually to check for illicit discharges.

Years	Milestones
2019-2020 - Year 1	The Village will perform visual dry weather screenings. Suspected illicit discharges shall be investigated to determine the source. These discharges will be documented and addressed.
2020-2021 – Year 2	The Village will perform visual dry weather screenings. Suspected illicit discharges shall be investigated to determine the source. These discharges will be documented and addressed.
2021-2022 – Year 3	The Village will perform visual dry weather screenings. Suspected illicit discharges shall be investigated to determine the source. These discharges will be documented and addressed.
2022-2023 – Year 4	The Village will perform visual dry weather screenings. Suspected illicit discharges shall be investigated to determine the source and will be documented and addressed.
2023-2024 - Year 5	The Village will perform visual dry weather screenings. Suspected illicit discharges shall be investigated to determine the source. These discharges will be documented and addressed.

2.3.5 BMP No. C.9 Public Notification

Brief Description of BMP

The Village of Pingree Grove will include material on the hazards associated with illegal discharges and improper disposal of waste and the requirements and means for reporting such discharges in its annual public meeting for the MS4 meeting.

Measurable Goal(s), including frequencies:

The Village will present information on IDDE at its annual public meeting for the MS4 program.

Year	Milestones
2019-2020 - Year 1	The Village will present IDDE information at its annual MS4 public meeting.
2020-2021 – Year 2	The Village will present IDDE information at its annual MS4 public meeting.
2021-2022 – Year 3	The Village will present IDDE information at its annual MS4 public meeting.
2022-2023 – Year 4	The Village will present IDDE information at its annual MS4 public meeting.
2023-2024 - Year 5	The Village will present IDDE information at its annual MS4 public meeting.

2.4 Construction Site Storm Runoff Control

General

The Village of Pingree Grove has developed this Construction Site Storm Water Runoff Control Program consistent with the requirements of the National Pollutant Discharge Elimination System (NPDES) General NPDES Permit No. ILR40 for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s). The purpose of this program is to reduce pollutants in storm water runoff from construction activities discharging to the Village's MS4 and waters of the state. In addition to the requirements set forth in this program, construction site owners and operators must fully comply with the Village's Code of Ordinances, and the General NPDES Permit No. ILR10 for Storm Water Discharges from Construction Site Activities. This program in combination with the Village's Code of Ordinances provides standard procedures for construction site erosion and sedimentation control including planning, implementation, inspection, compliance, and enforcement.

Applicability

The program requirements herein apply to all regulated construction projects (public and private). A project is considered regulated if it disturbs one acre or more, or if the parcel is less than one (1) acre but is part of a larger project that will disturb one acre or more.

Program Requirements

The owners, operators, and contractors for any regulated construction project shall:

1. Abide by all requirements within the Village's Code of Ordinances, including but not limited to: Erosion and Sedimentation Plans, Storm Water Pollution Prevention Plans, grading permits, building permits, site inspections and other related items.
2. Implement appropriate erosion and sediment control best management practices (BMPs) and maintain controls to minimize discharge of pollutants.

    A. At a minimum, such controls must be designed, installed, and maintained to:
        1) Control storm water volume and velocity within the site to minimize soil erosion;
        2) Control storm water discharges, including both peak flow rates and total storm water volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion;
        3) Minimize the amount of soil exposed during construction activity;
        4) Minimize the disturbance of steep slopes;

5) Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;

6) Provide and maintain natural buffers around surface waters, direct storm water to vegetated areas to increase sediment removal, and maximize storm water infiltration, unless infeasible; and

7) Minimize soil compaction and preserve topsoil, unless infeasible.

B. Soil stabilization BMPs (erosion controls) shall be designed and implemented to prevent soil particles from detaching and becoming suspended in storm water runoff. Effective erosion control will reduce the need and cost of sediment control. Therefore, the contractor shall preserve existing vegetation wherever feasible and limit disturbed areas to a practical minimum. Disturbed portions of the site shall be stabilized using temporarily seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, staged or staggered development, and other appropriate measures as required in the ILR10 permit.

C. Structural BMPs (sediment controls) shall be designed and implemented to complement the selected erosion control BMPs. Sediment controls intercept and settle out soil particles that have been detached or eroded by the force of water. Appropriate sediment controls including silt fence, ditch checks, check dams, inlet protection, outlet protection, energy dissipation devices, temporary sediment traps shall be used to prevent a net increase of sediment in storm water discharges. Sufficient quantities of sediment control materials shall be maintained on-site throughout the duration of the project, to allow implementation of temporary sediment controls in the event of predicted rain, and for rapid response to failures or emergencies.

3. Control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site.

   A. No solid materials, including building materials, shall be discharged to the Village's MS4 or Waters of the State.

   B. No solid materials including unused construction materials, debris or trash shall be buried or burned on any construction site. These waste materials shall be collected and stored in a manner that does not expose the waste to storm water runoff such as a covered metal dumpster. The dumpster shall be emptied as necessary, and the waste shall be disposed of offsite at an approved landfill.

   C. All sanitary waste shall be collected from the portable units by a licensed sanitary waste management contractor, as often as required.

   D. All unused Portland cement concrete and bituminous asphalt shall be hauled offsite and disposed of in accordance with all local and State requirements. No concrete or asphalt waste material shall be buried onsite.

E. Concrete washout shall only be conducted at designated containment areas.

F. Any and all hazardous waste materials shall be disposed of in the manner specified by local or State regulation and in conformance with Section 669 of the Illinois Department of Transportation standard specifications.

4. Prepare a storm water pollution prevention plan that meets the requirements of Part IV of NPDES permit No. ILR10 including management practices, controls, and other provisions at least as protective as the requirements contained in the Illinois Urban Manual, Latest Edition, or as amended including green infrastructure techniques where appropriate and practicable.

5. Make appropriate submittals to the Village as outlined in the Village's Code of Ordinances to allow for site plan review which incorporate consideration of potential water quality impacts and review of individual pre-construction site plans to ensure consistency with local sediment and erosion control requirements.

6. Provide qualified personnel to inspect disturbed areas of the site for compliance with the plan. Inspections shall be conducted in accordance with the current IEPA NPDES ILR10 permit, which is at least once every seven calendar days and within twenty-four hours of the end of a rainstorm or by the end of the following business workday that is one-half inch or greater. Areas inaccessible during inspections due to flooding or other unsafe conditions shall be inspected within seventy-two hours of becoming accessible. Inspections may be reduced to once per month when construction activities have ceased due to frozen conditions.

   Keep the site accessible for site inspections and comply with any and all requirements of the Village inspector including: modifying, maintaining, replacing, supplementing, etc. erosion and sedimentation control BMPs as needed to maintain effective pollutant control as determined by the Village inspector.

7. Comply with all NPDES ILR10 General Permit requirements and conditions.

   A. To obtain and maintain permit coverage, the following steps must be completed:

      1) Determine which parties are considered "operators" responsible for complying with the Phase II requirements.

      2) Complete and submit a Notice of Intent (NOI) and Storm Water Pollution Prevention Plan (SWPPP) along with the appropriate permit application fee to the Illinois EPA Division of Water Pollution Control Permit Section at least 30 days before construction activities that will cause land disturbance to begin.

      3) When a letter of notification of coverage is received, provide a copy for the Village. Post another copy of the letter of notification of coverage along with a copy of the ILR10 general permit on-site during construction. The SWPPP must also be kept on the construction site and accessible for review during construction activities.

4) Implement the erosion and sediment control BMPs as identified on the SWPPP, including completion of inspection reports that must be kept on site. Maintain the SWPPP as necessary to reflect any changes required during construction.
5) Complete final stabilization of all areas disturbed as a result of construction.
6) Upon completion of the construction phase and final stabilization, the owner shall cancel the specific coverage under the general permit by submitting a Notice of Termination (NOT) to Illinois EPA and send one copy to the Village. The NOT certifies that:
    a) Construction activity is completed, and the site stabilized to the requirements of the NPDES Permit.
    b) All parts of the SWPPP have been completed.
    c) Construction and equipment maintenance waste has been properly disposed of.
    d) The site complies with all local storm water management requirements.

Review Procedures

The Village will review erosion and sediment control plans for all development and redevelopment within the municipal limits. The review will consider potential water quality impacts of each project and ensure that the design of erosion and sediment controls are consistent with the Village ordinance.

Inspection Procedures

The Village will inspect each project periodically to ensure project permit compliance as required by the Village's general MS4 permit. The Village's inspector shall be familiar with the site's Erosion and Sediment Control Plans / SWPPP and identify all BMP's prior to the initial site inspection. All aspects of the inspection shall be documented within an inspection report. Photos may also be taken of current site conditions for additional documentation. The seven (7) activities listed below are a recommended inspection sequence that will help conduct a thorough inspection.

1. Plan the inspection
    - Review Village's inspection report to be use during the inspection (Appendix D1)
    - Obtain a copy of the site map with BMP locations marked
    - Plan to walk the entire site, including discharge points from the site and any off-site support activities such as concrete batch plants should also be inspected

- Follow a consistent pattern each time to ensure all areas are inspected (for example, starting at the lowest point and working uphill)

2. Inspect discharge points and downstream, off-site areas
    - Inspect discharge locations to determine whether erosion and sediment control measures are effective
    - Inspect nearby downstream locations, if feasible
    - Walk down the street to inspect off-site areas for signs of discharge. This is important in areas with existing curbs and gutters
    - Inspect down-slope municipal catch basin inlets to ensure that they are adequately protected
3. Inspect perimeter controls and slopes
    - Inspect perimeter controls such as silt fences to determine if sediment should be removed
    - Check the structural integrity of the BMP to determine if portions of the BMP need to be replaced
    - Inspect slopes and temporary stockpiles to determine if erosion controls are effective
4. Compare BMPs in the site plan with the construction site conditions
    - Determine whether BMP's are in place as required by the site plan
    - Evaluate whether BMP's have been adequately installed and maintained
    - Look for areas where BMP's are needed but are missing and are not in the SWPPP
5. Inspect construction site entrances
    - Inspect the construction exits to determine if there is tracking of sediment from the site onto the street
    - Determine if rock needs to be refreshed or replaced in the designated entrances
    - Look for evidence of additional construction exits being used that are not in the SWPPP or are not stabilized
    - The street should be swept if there is evidence of sediment accumulation
6. Inspect sediment controls
    - Inspect any sediment basins for sediment accumulation
    - Recommend removal of sediment when it reduces the capacity of the basin
7. Inspect pollution prevention and good housekeeping practices
    - Inspect trash areas to ensure that waste is properly contained
    - Inspect material storage and staging areas to verify that potential pollutant sources are not exposed to stormwater runoff

- Verify that concrete, paint, plaster, etc. washouts are being used properly and are correctly sized for the volume of wash water
- Inspect vehicle/equipment fueling and maintenance areas for signs of stormwater pollutant exposure

Public Reporting Procedures

The Village will provide a phone and email hotline and post online for the public to report any observed issues with erosion and sediment control on construction sites. The comment will be documented, and the Village will inspect the construction site and follow up with the construction site operator as is deemed necessary.

Recordkeeping

The owner of the project must keep copies of the SWPPP, inspection records, copies of all reports required by the permit, and records of all data used to complete the NOI to be covered by the permit for a period of at least three (5) years from the date that permit coverage expires or is terminated. At the request of the Village's inspector, these records shall be made available for review. The records should include the following:

A copy of the SWPPP, with any modifications

1. A copy of the NOI and Notice of Termination (NOT) and any stormwater related correspondence with federal, state, and local regulatory authorities
2. Inspection forms, including the date, place, and time of BMP inspections
3. Names of inspector(s)
4. The date, time, exact location, and a characterization of significant observations, including spills and leaks
5. Records of any non-stormwater discharges
6. BMP maintenance and corrective actions taken at the site (Corrective Action Log)
7. Any documentation and correspondence related to endangered species and historic preservation requirements
8. Weather conditions (e.g., temperature, precipitation)
9. Date(s) when major land disturbing (e.g. clearing, grading, and excavating) activities occur in an area
10. Date(s) when construction activities are either temporarily or permanently ceased in an area
11. Date(s) when an area is either temporarily or permanently stabilized

Compliance & Enforcement (Reporting of Violations)

1. Violations discovered during site inspections shall be noted. See Appendix D2 for sample letter of each offense. Application of levels of enforcement are as follows:
    - First Offense: Written notification of non-compliance
    - Second Offense: Second written notification of non-compliance
    - Third Offense: Issuance of Notice of Violation (NOV)
2. Documentation is critical to effective enforcement. It is the responsibility of the Village inspector to maintain time limits, specified by enforcement levels, and re-inspect on appropriate dates. Timely follow-up inspection is critical.

2.4.1 BMP No. D.1/D.2/D.3/D.4/D.6 Construction Site Runoff Control

Brief Description of BMP

The purpose of this program is to reduce pollutants in storm water runoff from construction activities discharging to the Village's MS4 and waters of the state. The Village of Pingree Grove will review and update their Storm Water Management Ordinance and Erosion and Sedimentation Control Ordinance. At a minimum, the ordinance must comply with the Kane County Stormwater Management Ordinance. The Village will develop, implement and enforce a Construction Site Storm Water Runoff Control Program.

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
D.6 - Site Inspection/Enforcement Procedures

Measurable Goal(s), including frequencies:

The Village will implement and enforce Construction Site Storm Water Runoff Control Program. The Village will review, and update Storm Water Management Ordinance and Erosion and Sediment Control Ordinance annually as needed. A phone number will be provided on the Village website so that residents can report any construction site runoff control issues.

Year	Milestones
2019-2020 - Year 1	The Village will review and update their Stormwater Management Ordinance and Erosion and Sediment Control Ordinance, as needed. The Village will develop a Construction Site Storm Water Runoff Control Program. Site Plans will be reviewed by the Village Engineer for appropriate erosion and sediment control BMP's. Site inspections will be performed routinely to enforce control measures. The Village will post a phone number that can be called to report issues and the calls received will be documented.
2020-2021 – Year 2	The Village will review and update their Stormwater Management Ordinance, and Erosion and Sediment Control Ordinance, as needed. The Construction Site Stormwater Runoff Control Program will be implemented and enforced. Site plans will be reviewed by the Village Engineer for appropriate erosion & sediment control BMP's. Site inspections will be performed routinely to enforce control measures. Public phone calls about construction site runoff issues will be documented.
2021-2022 – Year 3	The Village will review and update their Stormwater Management Ordinance, Erosion and Sediment Control Ordinance and Construction Site Stormwater Runoff Control Program, as needed. Site plans will be reviewed by the Village Engineer for appropriate erosion & sediment control BMP's. Site inspections will be performed routinely to enforce control measures. Public phone calls about construction site runoff issues will be documented.
2022-2023 – Year 4	The Village will review and update their Stormwater Management Ordinance, Erosion and Sediment Control Ordinance and Construction Site Stormwater Runoff Control Program, as needed. Site plans will be reviewed by the Village Engineer for appropriate erosion & sediment control BMP's. Site inspections will be performed routinely to enforce control measures. Public phone calls about construction site runoff issues will be documented.
2023-2024 - Year 5	The Village will review and update their Stormwater Management Ordinance, Erosion and Sediment Control Ordinance and Construction Site Stormwater Runoff Control Program, as needed. Site plans will be reviewed by the Village Engineer for appropriate erosion & sediment control BMP's. Site inspections will be performed routinely to enforce control measures. Public phone calls about construction site runoff issues will be documented.

2.5 Post-Construction Storm Water Management

General

The Village of Pingree Grove has developed these ordinances consistent with the requirements of the National Pollutant Discharge Elimination System (NPDES) General NPDES Permit No. ILR40 for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s). The purpose of these ordinances is to reduce storm water runoff from developments discharging to the Village's MS4 and waters of the state. In addition to the requirements set forth in these ordinances, all development must fully comply with the Village's Code of Ordinances. These ordinances provide specific requirements to ensure that controls are in place that would protect water quality and reduce the discharge of pollutants for new development projects, redevelopment projects, and existing privately-owned developed property.

Program Requirements

New Development/Redevelopment Projects Greater Than 1 Acre

Any new development or redevelopment project that will disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale or that have been designated to protect water quality, that discharge into the Village of Pingree Grove's MS4 must have controls in place to protect water quality and reduce the discharge of pollutants to the maximum extent practicable. Any such development must comply fully with the Village's Code of Ordinances, including requirements for plan/permit submittals and review, construction site inspections, long term operation and maintenance procedures, and post-construction inspections.

The project plans for these developments shall incorporate storm water infiltration, reuse and evapotranspiration of storm water to the maximum extent practicable.

These projects shall also provide post-construction management that meets or exceeds the requirements of Section IV (D) (2) (b) of NPDES permit No. ILR10 including management practices, controls, and other provisions at least as protective as the requirements contained in the Illinois Urban Manual, Latest Edition.

All New Development/Redevelopment Projects

The plans for any project including: development, redevelopment, highway construction, maintenance, replacement/repair on existing developed sites, or other land disturbing activity must incorporate a combination of structural and/or nonstructural BMPs appropriate for the project which will reduce the discharge of pollutants, the volume and velocity of storm water flow to the maximum extent practicable using the strategies below. When selecting BMPs to comply with these requirements, the developer should adopt one or more of these strategies, in order of preference, or provide rational for selecting a more preferred strategy.

1. Preservation of the natural features of development sites, including natural storage and infiltration characteristics.
   Preservation of existing natural streams, channels and drainage ways.
2. Minimization of new impervious surfaces.
3. Conveyance of storm water in open vegetated channels.
4. Construction of structures that provide both quantity and quality control, with structures serving multiple sites being preferable to those serving individual sites.
5. Construction of structures that provide only quantity control, with structures serving multiple sites being preferable to those serving individual sites.

Existing Privately Owned Developed Property

In order to minimize the volume of storm water runoff and pollutants from existing privately-owned developed property that contributes storm water to the Village's MS4, the following requirements shall apply:

- Education on green infrastructure controls
- Evaluation of existing flood control facilities to determine the feasibility of pollution control retrofits
- Special events such as fairs, parades, and performances expected to generate significant pollution will require the implementation of BMP controls. This includes cleanup after 4th of July, Touch a Truck in the spring, and Holiday Train/Tree Lighting as it occurs.
- Appropriate maintenance language shall be included on Final Plats according to the requirements set forth in the Village's Code of Ordinances for structural pollution control devices or systems.
- Pesticides and fertilizers shall not be used or stored in environmentally sensitive areas.

Operation and Maintenance of Structural Storm Water Controls

The following items shall be implemented to control the amount of debris/sediment entering waterways:

- Storm sewer structures and storm sewer pipe shall be incorporated into a maintenance program to clean out debris/sediment and check for repair items. Storm sewer pipes shall be jetted to remove debris build-up and the structure cleaned out by a vacuum trailer. All debris/sediment shall be disposed of at an approved landfill. Minor repairs can be performed as necessary.
- Street sweeping shall be conducted to remove debris/sediment before it reaches the storm sewer system. The sweepings shall be disposed of at an approved landfill.
- All storm sewer outfalls shall be checked for debris, sediment and vegetative growth. All debris/sediment shall be cleaned up and disposed of at an approved landfill. Any over-growth of vegetation shall be cleared out and disposed of properly.

Public Reporting Procedures

Contact information for the public works department will be posted online for the public to report any issues related to post-construction stormwater management.

Existing Publicly Owned Developed Property

In order to minimize the volume of storm water runoff and pollutants from existing publicly owned developed property that contributes storm water to the Village's MS4, the following annual training shall take place:

- All MS4 employees and contractors retained to manage or carry out routine maintenance, repair, or replacement of public surfaces shall be trained annually in current green infrastructure or low impact design techniques applicable to such projects. A typical training PowerPoint is included after this section.

Flood Management Project Review

In order to identify opportunities for water quality improvements, each flood management project undertaken by the city will be reviewed for potential to incorporate water quality benefits and findings will be documented.

2.5.1 BMP No. E.2/E.3/E.4/E.5 Post-Construction Runoff Control

Brief Description of BMP

The Village of Pingree Grove will review and update their Stormwater Management Ordinance to ensure there are no discrepancies with the 2019 revisions to the Kane County Stormwater Management Ordinance. Site plans will be reviewed for post-construction stormwater BMP's and site visits will be conducted during and after construction to ensure BMP's are implemented correctly. Annual training for employees and contractors who perform maintenance, repairs, and replacement of public roads, sidewalks, and parking lots in low impact design techniques. A program to provide education and inventory stormwater pollution sources and mitigation techniques on private property will be developed and maintained. Flood control projects will be reviewed to identify opportunities for water quality benefits.

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

Measurable Goal(s), including frequencies:

The Village shall review and update their Storm Water Management Ordinance and Erosion and Sediment Control Ordinance annually. The operation and maintenance of structural storm water controls will be developed and implemented during Year 1 and reviewed annually thereafter.

Year	Milestones
2019-2020 - Year 1	The Village shall review and update Stormwater Management Ordinance as needed. The Village will develop the operation and maintenance program (including employee training). The Village Engineer will review site plans for post-construction BMP's and conduct site visits during and after construction to ensure BMP's are implemented correctly. Education for private property owners on stormwater pollution and prevention measures will take place. Flood control projects will be reviewed to identify opportunities to incorporate water quality benefits.
2020-2021 – Year 2	The Village shall review and update Stormwater Management Ordinance as needed. The operation and maintenance program (including employee training) will be implemented. The Village Engineer will review site plans for post-construction BMP's and conduct site visits during and after construction to ensure BMP's are implemented correctly. Education for private property owners on stormwater pollution and prevention measures will take place. Flood control projects will be reviewed to identify opportunities to incorporate water quality benefits.
2021-2022 – Year 3	The Village shall review and update Stormwater Management Ordinance as needed. The operation and maintenance program (including employee training) will be reviewed and updated as needed. The Village Engineer will review site plans for post-construction BMP's and conduct site visits during and after construction to ensure BMP's are implemented correctly. Education for private property owners on stormwater pollution and prevention measures will take place. Flood control projects will be reviewed to identify opportunities to incorporate water quality benefits.
2022-2023 – Year 4	The Village shall review and update Stormwater Management Ordinance as needed. The operation and maintenance program (including employee training) will be reviewed and updated as needed. The Village Engineer will review site plans for post-construction BMP's and conduct site visits during and after construction to ensure BMP's are implemented correctly. Education for private property owners on stormwater pollution and prevention measures will take place. Flood control projects will be reviewed to identify opportunities to incorporate water quality benefits.
2023-2024 - Year 5	The Village shall review and update Stormwater Management Ordinance as needed. The operation and maintenance program (including employee training) will be reviewed and updated as needed. The Village Engineer will review site plans for post-construction BMP's and conduct site visits during and after construction to ensure BMP's are implemented correctly. Education for private property owners on stormwater pollution and prevention measures will take place. Flood control projects will be reviewed to identify opportunities to incorporate water quality benefits.

2.6 Municipal Pollution Prevention/Good Housekeeping

General

The Village of Pingree Grove has developed this Municipal Pollution Prevention and Good Housekeeping Program consistent with the requirements of the National Pollutant Discharge Elimination System (NPDES) General NPDES Permit No. ILR40 for Discharges from Small Municipal Separate Storm Sewer Systems (MS4s). The purpose of this program is to reduce the discharge of pollutants associated with municipal operations to the Village's MS4 and waters of the state to the maximum extent practicable. This program outlines strategies for the Village in order to reduce pollution from the use, storage, and disposal of materials and wastes associated with the Village's municipal operations. This program also includes a Storm Water Pollution Prevention (SWPP) training component for the Village's public works employees.

Goals

1. Reduce storm water pollution from municipal operations and maintenance activities.
2. Establish guidelines and strategies for minimizing the potential for storm water pollution.
3. Enhance awareness of Public Works Employees regarding pollution prevention

Operation and Maintenance Pollution Prevention Program

In general, the following hierarchy should be followed during municipal operation and maintenance activities in order to reduce pollutant discharges in the Village of Pingree Grove's Municipal Separate Storm Sewer System to the maximum extent practicable.

1. Eliminate or reduce storm water pollutants used, stored, wasted, or caused by municipal operation and maintenance activities whenever feasible.
2. For pollutants that cannot be eliminated, minimize their exposure to rainfall and storm water runoff during associated municipal operation and maintenance activities.
3. Use appropriate best management practices (BMPs) to prevent the pollutants from being discharged into the Village's MS4 or waters of the state.

The following specific operational policies should be incorporated by the Village of Pingree Grove to prevent storm water pollution associated with municipal operations.

- Park and Open Space Maintenance – As parks and open spaces are maintained and mowed on a regular basis during the summer and/or as needed, this regular activity is a good time for employees to identify any areas with soil erosion or sources of potential pollution. Employees should also be observant to the need for any repairs (including storm sewer structures/ outlets) within these areas. When soil erosion, potential pollutant sources, or the need for repairs is noticed, the employee should inform the Public Works Director.

- Fleet and Building Maintenance – Any vehicle maintenance to be completed by Public Works employees (including oil changes) should be done inside the public works facility. The building's floor traps, trenches, and floor should be cleaned once a month or as needed and waste material should be disposed of as municipal waste. Building gutters and other storm water drainage in and around the public works facilities should be evaluated and modified as necessary to reduce the risk of storm water pollution.

- Lubricant and Oil – Any spill resulting from equipment maintenance are cleaned up using oil absorbing compounds to the maximum extent possible. All used oil should be disposed of at a used oil recycling facility.

- Operation of Storage Yards – Stored materials at the Public Works Facilities should be covered, contained or otherwise protected from rainfall and/or storm water runoff. The Village should inspect the storage areas periodically including after significant rainfall events to ensure these conditions are met and that stored materials are not discharged into the Village MS4 or waters of the State. These areas shall be repaired or modified as needed based on information gathered during inspections.

- Road Salt – Road salt is stored in a covered building, on the grounds for wastewater treatment facilities, to isolate the salt from rainfall and storm water runoff. The Village should inspect the building on an annual basis to ensure its integrity. The building shall be repaired as needed, based on information gathered during inspections. The Village of Pingree Grove uses a combination of salt brine and

Magic -0 for de-icing operations. The product choice is intended to reduce the environmental impact of the de-icing operations and is recommended by the EPA.

- Snow Disposal – Public works department has snow routes to maintain during snowfall events. Employees responsible for snow removal should be trained on traffic safety, speeds, routes, and snow piling locations. Snow should not be piled near or on inlets or sensitive environmental areas (streams, creeks, wetlands, etc.).

  Should snow fall depth require removal and storage at a Village Facility, snow should be picked up from the various streets/cul-de-sacs and dumped in an area which will allow for the snow to melt and runoff without introducing the debris into the Village's MS4 or waters of the state. This may require the use of sedimentation control BMPs. Once all the snow has melted at the Village Facility, the remaining debris should be swept and disposed of at an approved local landfill.

- Municipal Construction and Land Disturbances – All materials for municipal construction projects shall be delivered and stored in a manner that minimizes the potential for these materials to be introduced into storm water runoff. Materials should be stored indoors, covered, or otherwise protected with appropriate best management practices. Land disturbances should be kept to a minimum. Land disturbance that cannot be avoided should be protected with appropriate best management practices. More information is included in the Construction Site Storm Water Runoff Control Program.

- Bulk Liquid Chemicals –The Village uses herbicides as needed for weeds. Mosquito sprays occur throughout the year and are performed by licensed operators. The Village does have a gasoline tank and a diesel tank for fueling at the wastewater treatment facility. These tanks are double walled to prevent leakage.

  The fueling and containment area should be maintained in a clean manner. The Village of Pingree Grove's Fire District and Police Department are responsible for any hazardous materials spill response.

- Municipal Waste – All municipal wastes including those for road, water, and sewer repair/construction, landscaping should be disposed of at an approved local landfill.

Employee Training Program

The Village of Pingree Grove should educate staff on the prevention and reduction of storm water pollution from municipal activities. New employees should be given initial training to educate them on the basics of stormwater pollution prevention. In addition to this initial training, the Village should also provide annual training for all public works employees involved in municipal operation and maintenance activities. This annual training should include a review of the operation and maintenance pollution prevention strategies (general and specific) discussed above. This training should also address the hazards associated with illegal discharges and improper disposal of waste.

2.6.1 BMP No. F.1 Employee Training Program

Brief Description of BMP

The Village of Pingree Grove will provide educational materials and/or training opportunities to staff.

Measurable Goal(s), including frequencies:

The Village will provide educational materials and on and off-site training annually.

Year	Milestones
2019-2020 - Year 1	The Village will update and provide educational materials and/or training opportunities to staff.
2020-2021 – Year 2	The Village will update and provide educational materials and/or training opportunities to staff.
2021-2022 – Year 3	The Village will update and provide educational materials and/or training opportunities to staff.
2022-2023 – Year 4	The Village will update and provide educational materials and/or training opportunities to staff.
2023-2024 - Year 5	The Village will update and provide educational materials and/or training opportunities to staff.

2.6.2 BMP No. F.4 Municipal Operations Waste Disposal

Brief Description of BMP

The Village of Pingree Grove will develop and implement a hazardous waste plan.

Measurable Goal(s), including frequencies:

The Village will develop and implement a hazardous waste spill response and prevention program in coordination with the fire and police departments in Year 1. The Program will be reviewed and updated annually as needed.

Year	Milestones
2019-2020 - Year 1	The Village will develop and implement a Hazardous Waste Plan.
2020-2021 – Year 2	The Village will review and update their Hazardous Waste Plan.
2021-2022 – Year 3	The Village will review and update their Hazardous Waste Plan.
2022-2023 – Year 4	The Village will review and update their Hazardous Waste Plan.
2023-2024 - Year 5	The Village will review and update their Hazardous Waste Plan.

3.0 Monitoring, Record Keeping, and Reporting

Monitoring

The Village will need to perform monitoring as a part of its MS4 program. The monitoring program will evaluate the effectiveness of BMPs proposed as a part of the MS4 program. The Village will utilize published research to estimate the pollution reduction as a result of their program. Other monitoring efforts will include the visual screening of the stormwater discharge at outlets. Color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheet, or other indicators of pollution will be documented in outfall screening forms.

Record Keeping

The Village will keep records required by the MS4 permit for 5 years after the expiration of the permit.

Reporting

The Village will submit Annual Inspection Reports to IEPA by the first day of June for each year that the permit is in effect. The report must include:

1. An assessment of the appropriateness and effectiveness of the permittee's identified BMPs and progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable (MEP), and the permittee's identified measurable goals for each of the minimum control measures;
2. The status of compliance with permit conditions, including a description of each incidence of non-compliance with the permit, and the permittee's plan for achieving compliance with a timeline of actions taken or to be taken;
3. Results of information collected and analyzed, including monitoring data, if any, during the reporting period;
4. A summary of the storm water activities the permittee plans to undertake during the next reporting cycle, including an implementation schedule;
5. A change in any identified BMPs or measurable goals that apply to the program elements;
6. Notice that the permittee is relying on another government entity to satisfy some of the permit obligations (if applicable);
7. Provide an updated summary of any BMP or adaptive management strategy constructed or implemented pursuant to any approved TMDL or alternate water quality management study. Use the results of your monitoring program to assess

whether the WLA or other performance requirements for stormwater discharges from your MS4 are being met; and

8. If a qualifying local program or programs with shared responsibilities is implementing all minimum control measures on behalf of one or more entities, then the local qualifying program or programs with shared responsibilities may submit a report on behalf of itself and any entities for which it is implementing all of the minimum control measures.

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