

**VILLAGE OF VERNON HILLS
RESOLUTION 2021-004**

A RESOLUTION COMPLYING WITH THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY'S REQUIREMENT FOR COMPLETION OF THE NPDES NOTICE OF INTENT PERMIT AND THE CREATION OF PROGRAMS DESIGNED TO CONTROL POLLUTION STORMWATER RUNOFF

WHEREAS, since the passage of the Clean Water Act (CWA) in 1972, the quality of our Nation's waters has improved dramatically. However, despite this progress, degraded water bodies, which are impaired by pollution and do not meet water quality standards, still exist. A leading source of these impairments is polluted runoff; and

WHEREAS, the United States Environmental Protection Agency's (USEPA) Stormwater program was promulgated in 1990 under the CWA and has developed phases for compliance; and

WHEREAS, under Phase II of the Storm Water Phase II Final Rule, operators of Municipal Separate Storm Sewer Systems (MS4s) in urbanized areas and operators of small construction sites through the use of the National Pollutant Discharge Elimination System (NPDES) are required to complete a NPDES Phase II permit package which consists of a Notice of Intent for General Permit for discharges from Municipal Separate Storm Sewer Systems (MS4s) and attachments which implement programs and Best Management Practices (BMPs) to control polluted stormwater runoff. Phase II is intended to further reduce adverse impacts to water quality and aquatic habitat by instituting the use of controls on the unregulated sources of Stormwater discharges that have the greatest likelihood of causing continued environmental degradation; and

WHEREAS, The Village of Vernon Hills has completed the Notice of Intent for General Permit for discharges from (MS4s) and has included attachments with programs and Best Management Practices (BMPs), which will assist in the goal to reduce and control polluted stormwater runoff.

NOW THEREFORE BE IT RESOLVED BY THE VILLAGE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF VERNON HILLS, LAKE COUNTY, ILLINOIS:

That the Village of Vernon Hills has complied with the United States Environmental Protection Agency's requirement for completion of the NPDES Notice of Intent permit and will follow through with the programs to control pollution stormwater runoff. The Public Works Director is authorized to execute the NOI and forward same to the IEPA.

Dated this 2nd day of March, 2021

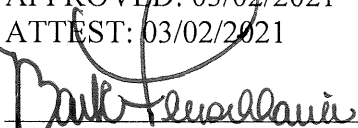
Adopted by a roll call vote as follows:

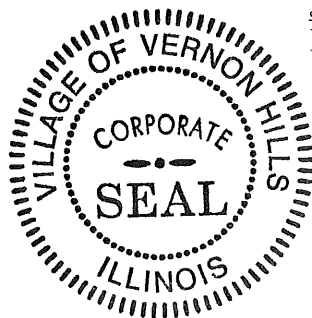
AYES: 7 – Byrne, Schultz, Oppenheim, Takaoka, Marquardt, Forster, Koch

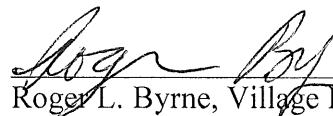
NAYS: 0 - None

ABSENT AND NOT VOTING: 0 - None

PASSED: 03/02/2021
APPROVED: 03/02/2021
ATTEST: 03/02/2021


Mark Fleischhauer, Village Clerk




Roger L. Byrne, Village President



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Notice of Intent for New or Renewal of General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4's)

Part I. Municipal (MS4) Contact Information

1. Name of Municipality: Village of Vernon Hills MS4 #: ILR400252
Population (based on 2010 census): 25,005
2. MS4 Mailing Address: 490 Greenleaf Drive City: Vernon Hills, IL Zip: 60061
3. Primary MS4 Contact Person (Authorized Representative for MS4 Permit)
Name: David Brown Title: Public Works Director / Village Engineer
Phone: 847-918-3544 Email Address: daveb@vhills.org

General Information

4. Latitude and Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:

Latitude: 42 13 47 Longitude: 87 57 45
Degrees Minutes Seconds Degrees Minutes Seconds

5. Community Type: Village Other: _____
6. Name(s) of governmental entity(ies) in which MS4 is located:

City/Village	Township	County
	Libertyville Township	Lake County
	Vernon Township	Lake County

7. Area of land within your MS4 in square miles: 7.9
8. Percent of MS4 served by combined sewer: 0 Percent of MS4 served by separate sewer: 100

- 9.
- | Name(s) of known receiving waters (in and within 3 miles of MS4 area) | Impairment listed on 303d List or TMDL? |
|---|---|
| Aptakisic Creek | ☐ Yes ☒ No |
| Tributary to Aptakisic Creek | ☐ Yes ☒ No |
| Big Bear Lake | ☒ Yes ☐ No |
| Buffalo Creek | ☒ Yes ☐ No |
| Bull Creek | ☒ Yes ☐ No |
| Bull Creek Tributary | ☐ Yes ☒ No |
| North Branch Bull Creek Tributary | ☐ Yes ☒ No |
| West Branch Bull Creek Tributary | ☐ Yes ☒ No |
| Butler Lake | ☒ Yes ☐ No |
| Countryside Lake | ☒ Yes ☐ No |
| Middle Fork North Branch Chicago River | ☒ Yes ☐ No |

Name(s) of known receiving waters (in and within 3 miles of MS4 area)	Impairment listed on 303d List or TMDL?
West Fork North Branch Chicago River	☒ Yes ☐ No
Des Plaines River	☒ Yes ☐ No
Tributary No. 1 to Des Plaines River	☐ Yes ☒ No
Diamond Lake	☒ Yes ☐ No
Diamond Lake Drain	☐ Yes ☒ No
Unnamed Tributary to Diamond Lake Drain	☐ Yes ☒ No
Farrington Ditch	☐ Yes ☒ No
Forest Lake	☒ Yes ☐ No
Forest Lake Drain	☐ Yes ☒ No
Harvey Lake	☐ Yes ☐ No
Indian Creek	☒ Yes ☐ No
South Branch Indian Creek	☐ Yes ☒ No
Tributary to South Branch Indian Creek	☐ Yes ☒ No
West Branch Indian Creek	☐ Yes ☒ No
Kemper Lake No. 1	☐ Yes ☒ No
Lake Charles	☒ Yes ☐ No
Loch Lomond	☒ Yes ☐ No
Seavey Drainage Ditch	☐ Yes ☒ No
St. Mary's Lake	☒ Yes ☐ No
Sullivan Lake	☒ Yes ☐ No
Thorngate Creek	☐ Yes ☒ No

9a. If impaired, which potential causes and source?

Causes: DO, Chloride, Fecal Coliform, Phosphorus, etc.

Source: Atmospheric Deposition, Crop Production, etc.

9b. Are the receiving waterbodies included in an approved TMDL or alternate water quality management plan? ☒ Yes ☐ No

If yes, what measures to comply with the TMDL waste load allocation (WLA) are being implemented or are planned?

The December 2015 Buffalo Creek Watershed-Based Plan by the Buffalo Creek Clean Water Partnership and Lake County Stormwater Management Commission (SMC) proposes managing fertilizer use, planting natives, restoring streams, creating wetlands, participating in outreach, establishing guidelines, retrofitting detention basins, and more to improve water quality.

The August 2008 Bull Creek-Bull's Brook Watershed-Based Plan by the SMC proposes measures such as education programs, detention basin retrofits, stream maintenance, wetland restoration, shoreline restoration, and more to improve water quality.

The May 2008 North Branch Chicago River Watershed-Based Plan by the SMC proposes measures such as creating new regulatory requirements, installing vegetative filter strips, constructing wetland detention basins, preserving riparian buffers along streams, preventing nonpoint source pollution, providing education to the public, and more to improve water quality.

The Lower Des Plaines River Watershed-Based Plan by the Metropolitan Planning Council (Oct. 2018) proposes measures such as bioretention, infiltration trenches, oil/grit separators, cisterns, porous pavement, weekly sweeping, detention basin retrofits, and more to improve water quality.

The June 2018 Des Plaines River Watershed-Based Plan by the Lake County Stormwater Management Commission (SMC) proposes measures such as nutrient monitoring, salt reduction, agricultural conservation practices, streambank

Impaired Waters

The most recent 303(d) list may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/303d-list.aspx>. Information regarding TMDLs may be found at <https://www2.illinois.gov/epa/topics/water-quality/watershed-management/tmdls/Pages/default.aspx>.

restoration, bioretention, wetland construction, detention basin retrofits, and more to improve water quality.

The December 2006 Indian Creek Watershed-Based Plan by the Lake County Stormwater Management Commission (SMC) proposes measures such as filter strips, wetland detention basins, improved agricultural practices, stream maintenance, preservation of riparian areas, and more to improve water quality.

9c. Is the MS4 community included in the chloride variance? ☐ Yes ☒ No

Program Responsibility

10. Shared Responsibility

Is your MS4 responsible for any permit requirements of another MS4 community? ☐ Yes ☒ No

Does your MS4 Community rely on another MS4 to satisfy any of the permit requirements? ☒ Yes ☐ No

If yes: Which MS4 community?: Lake County

Which minimum control measurements is the other MS4 responsible for?

- | | |
|---|--|
| ☒ Public Education and Outreach | ☒ Construction Site Runoff Control |
| ☒ Public Participation/Involvement | ☒ Post-Construction Runoff Control |
| ☒ Illicit Discharge Detection and Elimination | ☒ Pollution Prevention/Good Housekeeping |

11. Co-Permittee

Is your MS4 Community a Co-Permittee with another MS4 Community? ☐ Yes ☐ No

12. Other contacts responsible for implementation or coordination of Stormwater Management Program

Name: Josh Hansen Title: Engineering Landscape Technician

Phone: 847-918-3591 Email: JoshH@vhills.org

Area of Responsibility: Control Measures 1-6

Part II. Best Management Practices (include shared responsibilities) which have been implemented or are proposed to be implemented in the MS4 area

A. Public Education and Outreach

Approximate date first implemented: March 2003

Frequency of each BMP program: Annually (at a minimum)

Qualifying Local Programs

As part of its stormwater management program, the Village of Vernon Hills conducts a number of Public Education and Outreach activities that educate and inform the public about the impacts of stormwater runoff on receiving water bodies and the steps that the public can take to reduce those impacts. In coordination and collaboration with the QLP, the Village of Vernon Hills will continue to perform activities related to the Public Education and Outreach MCM, as described below.

The Village of Vernon Hills intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below.

Qualifying Local Program:

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the Permit, including activities related to Public Education and Outreach.

MS4 Stormwater Management Program:

As part of its stormwater management program, the Village of Vernon Hills conducts a number of Public Education and Outreach activities that educate and inform the public about the impacts of stormwater runoff on receiving water bodies and the steps that the public can take to reduce those impacts. In coordination and collaboration with the QLP, the Village of Vernon Hills utilizes a variety of best management practices (BMPs) to educate and inform the public about these issues, including: distributing paper material containing information about stormwater management; sponsoring and/or attending community outreach events, including meetings, to provide information about stormwater management; publicizing household hazardous waste collection events sponsored by the Solid Waste Agency of Lake County (SWALCO) to encourage the public to participate in such events; upon request, providing classroom education on stormwater management to local students and teachers; upon request, providing training and information to local students and teachers interested in conducting storm drain stenciling; and, providing, on its website, information about stormwater management and its stormwater management program.

☒ A.1 Distributed Paper Material

Brief Description of BMP

In addition to the QLP's efforts to distribute informational materials throughout Lake County, the Village of Vernon Hills works to compile and distribute within the Village of Vernon Hills a variety of materials related to stormwater management from a variety of sources, including the Lake County Stormwater Management Commission (i.e., QLP), IEPA, US EPA, the Center for Watershed Protection, and other agencies and organizations. The Village of Vernon Hills maintains a list of the types of materials it has made available to the public and the methods through which such materials have been distributed.

Measurable Goals, including frequencies

Distribute informational materials from "take away" rack at Vernon Hills Village Hall annually, at a minimum.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Measurable Goals (include shared responsibilities)

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

- ☐ A.2 Speaking Engagement
- ☐ A.3 Public Service Announcement
- ☒ A.4 Community Event

Brief Description of BMP

In addition to the QLP's efforts to sponsor or co-sponsor workshops and provide educational presentations, the Village of Vernon Hills sponsors and/or attends community outreach events, including meetings, to provide information on stormwater management-related topics. Audiences attending such events may include homeowners associations, lake management associations, businesses, and neighborhood groups. The Village of Vernon Hills maintains a list of the stormwater management-related community outreach events, including meetings, that it has attended.

Additionally, the Village of Vernon Hills supports the efforts of the Solid Waste Agency of Lake County (SWALCO) to implement programs throughout Lake County that increase reuse, recycling, and composting and reduce reliance on landfills. As part of these waste management efforts, SWALCO conducts dozens of household hazardous waste collection events each year at various locations throughout the county. The Village of Vernon Hills publicizes these household hazardous waste collection events to encourage the public to participate in such events.

Measurable Goals, including frequencies

Sponsor and/or attend stormwater management-related community outreach events, including meetings annually, at a minimum. Provide notice of SWALCO household hazardous waste collection events on Village of Vernon Hills website as needed.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

- ☐ A.5 Classroom Education Material
- ☒ A.6 Other Public Education

Brief Description of BMP

In addition to the QLP's efforts to distribute information via its website, the Village of Vernon Hills maintains a website that contains materials and resources related to stormwater management. The website includes a web page that provides information about IEPA's NP DES Stormwater Program, information about the Village of Vernon Hills stormwater management program, including its SMPP, NOI, Permit, and Annual Reports, and links to a number of other stormwater management-related resources, including the Lake County Stormwater Management Commission's (i.e., QLP's) website.

Measurable Goals, including frequencies

Maintain and update the portion of the Village of Vernon Hills website dedicated to its stormwater management program as needed.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

B. Public Participation/Involvement

Approximate date first implemented: March 2003 Frequency of each BMP program: Annually (at a minimum)

Qualifying Local Programs

As part of its stormwater management program, the Village of Vernon Hills conducts a number of Public Participation/Involvement activities that involve and engage the public in the implementation of its stormwater management program. In coordination and collaboration with the QLP, the Village of Vernon Hills will continue to perform activities related to the Public Education and Outreach MCM, as described below.

The Village of Vernon Hills intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below.

Qualifying Local Program:

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MC Ms described in the Permit, including activities related to Public Participation/Involvement.

MS4 Stormwater Management Program:

As part of its stormwater management program, the Village of Vernon Hills conducts a number of Public Participation/Involvement activities that involve and engage the public in the implementation of its stormwater management program. In coordination and collaboration with the QLP, the Village of Vernon Hills utilizes a variety of best management practices (BMPs) to involve and engage the public in these efforts, including: attending and encouraging public participation in stakeholder meetings; presenting information about stormwater management and its stormwater management program at public meetings; attending and participating in Municipal Advisory Committee (MAC) meetings to discuss and coordinate on the implementation of IEPA's NPDES Stormwater Program; and, providing a phone number and maintaining a process for receiving and processing information about stormwater-related problems and concerns from the public.

Measurable Goals (include shared responsibilities)

☐ B.2 Educational Volunteer

☒ B.3 Stakeholder Meeting

Brief Description of BMP

Watershed stakeholder meetings are regularly held throughout Lake County as part of new and/or ongoing watershed planning and/or project implementation efforts. When the Village of Vernon Hills is a stakeholder in a watershed planning and/or project implementation effort (i.e., any part of the MS4 is located within the boundaries of a watershed subject to a planning and/or project implementation effort), the Village of Vernon Hills participates in scheduled stakeholder meetings and publicizes the meetings to encourage other stakeholders (i.e., homeowner associations, lakes management associations, landowners) to participate.

Measurable Goals, including frequencies

As appropriate, attend and provide notice of stakeholder meetings on Village of Vernon Hills website.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ B.4 Public Hearing

Brief Description of BMP

The Village of Vernon Hills coordinates and conducts public meetings as well as committee meetings that are open to the public. A bi-monthly, Village Board Meeting is open to the public and involves the Village Board, which includes seven publicly elected representatives. Periodically, information about the Village of Vernon Hills stormwater management program is presented at such meetings.

Measurable Goals, including frequencies

Present information about the Village of Vernon Hills storm water management program at a public meeting at least once each year.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☐ B.5 Volunteer Monitoring

☒ B.6. Program Involvement

Brief Description of BMP

SMC serves as a Qualifying Local Program (QLP) for all Lake County MS4s. In this role, in 2002, SMC proactively formed the Municipal Advisory Committee (MAC) to provide a forum for representatives of local MS4s to discuss, among other topics, the implementation of IEPA's NPDES Stormwater Program. SMC plans to continue to facilitate quarterly MAC meetings to bring Lake County MS4s together to discuss the implementation of IEPA's NPDES Stormwater Program. The Village of Vernon Hills will continue to attend and participate in the quarterly MAC meetings.

Measurable Goals, including frequencies

Continue to attend and participate in MAC meetings.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ B.7 Other Public Involvement

Brief Description of BMP

The Village of Vernon Hills provides and publicizes a phone number that the public can use to submit information about stormwater-related problems and concerns. The Village of Vernon Hills documents and tracks the resolutions of problems and complaints reported by the public, including reports of illicit discharges and illegal dumping.

Measurable Goals, including frequencies

Provide phone number that the public can use to submit information about stormwater-related problems and concerns. As needed, follow up on reports of stormwater-related problems and concerns received from the public.

Milestones

- Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

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C. Illicit Discharge Detection and Elimination

Approximate date first implemented: March 2003

Frequency of each BMP program: Annually (at a minimum)

Qualifying Local Programs

As part of its storm water management program, the Village of Vernon Hills conducts a number of activities related to Illicit Discharge Detection and Elimination. In accordance with the current version of the Permit, the Village of Vernon Hills Illicit Discharge Detection and Elimination program includes:

- A storm sewer system map showing the locations of all outfalls and the names and locations of all waters that receive discharges from those outfalls;
- An ordinance or other regulatory mechanism that prohibits all non-stormwater discharges into the storm sewer system and provides the authority for appropriate enforcement procedures and actions;
- A plan to detect and address all non-stormwater discharges, including illegal dumping, into the storm sewer system;
- A program to educate public employees, businesses, and the general public about the hazards associated with illegal discharges and improper disposal of waste; and,
- Annual inspection of storm sewer outfalls for detection of non-stormwater discharges and illegal dumping.

In coordination and collaboration with the QLP, the Village of Vernon Hills will continue to perform activities related to the Illicit Discharge Detection and Elimination MCM, as described below. Note that although the Village of Vernon Hills intends to share responsibility for the implementation of the Illicit Discharge Detection and Elimination MCM with the QLP, as outlined in this NOI, the primary responsibility for the implementation of the Illicit Discharge Detection and Elimination MCM lies with the Village of Vernon Hills.

The Village of Vernon Hills intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below. Note, however, that the primary responsibility for the implementation of the Illicit Discharge Detection and Elimination MCM lies with the Village of Vernon Hills.

Qualifying Local Program:

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MC Ms described in the Permit, including activities related to Illicit Discharge Detection and Elimination.

MS4 Stormwater Management Program:

As part of its stormwater management program, the Village of Vernon Hills conducts a number of activities related to Illicit Discharge Detection and Elimination. In accordance with the current version of the Permit, the Village of Vernon Hills' Illicit Discharge Detection and Elimination program includes:

- A storm sewer system map showing the locations of all outfalls and the names and locations of all waters that receive discharges from those outfalls;
- An ordinance or other regulatory mechanism that prohibits all non-stormwater discharges into the storm sewer system and provides the authority for appropriate enforcement procedures and actions;
- A plan to detect and address all non-stormwater discharges, including illegal dumping, into the storm sewer system;
- A program to educate public employees, businesses, and the general public about the hazards associated with illegal discharges and improper disposal of waste; and,
- Periodic (annual is recommended) inspection of storm sewer outfalls for detection of non-stormwater discharges and illegal dumping.

☒ C.1 Sewer Map Preparation

Brief Description of BMP

The Village of Vernon Hills has prepared a storm sewer system map showing the locations of all outfalls and the names

Measurable Goals (include shared responsibilities)

and locations of all waters that receive discharges from those outfalls. The storm sewer system map is periodically maintained and updated to include outfalls associated with development projects and any previously unidentified outfalls.

Measurable Goals, including frequencies

Maintain and update storm sewer system map as needed.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ C.2 Regulatory Control Program

Brief Description of BMP

The Village of Vernon Hills has adopted an illicit discharge ordinance that prohibits all non-stormwater discharges into the storm sewer system and provides the authority for appropriate enforcement procedures and actions. In addition, the Watershed Development Ordinance (WDO) includes provisions that prohibit illicit discharges to the storm sewer system during construction (i.e., prior to final site stabilization) on development sites.

Measurable Goals, including frequencies

Continue to administer and enforce the illicit discharge ordinance. Continue to administer and enforce the WDO.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ C.3 Detection/Elimination Prioritization Plan

Brief Description of BMP

The Village of Vernon Hills has developed and implemented a plan to detect and address all non-stormwater discharges, including illegal dumping, into the storm sewer system. Methods used to detect illicit discharges include annual visual dry weather screening, employee reporting, and public reporting. Outfalls with suspicious discharges are assessed to determine whether or not flow is observed and whether or not any indicators of an illicit discharge are present. The results of each inspection are recorded on a form, and based on such results, appropriate follow-up actions are prescribed. Such follow-up actions may include additional inspections, additional water quality sampling and analysis, source tracking, and source removal. Follow-up activities are generally prioritized based on the scope and magnitude of the associated illicit discharge.

Measurable Goals, including frequencies

Conduct annual inspections of storm sewer outfalls for detection of illicit discharges. Continue to investigate potential illicit discharges identified by employees conducting day-to-day activities and operations (e.g., storm sewer cleaning and maintenance). Continue to investigate potential illicit discharges identified through public reporting.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ C.4 Illicit Discharge Tracing Procedures

Brief Description of BMP

The Village of Vernon Hills has developed procedures for tracking illicit discharges to their source. Methods that can be used to track illicit discharges to their source include drainage area investigations, storm sewer network investigations, and on-site investigations, which may involve smoke testing, dye testing, and/or video inspection to pinpoint the exact source of an illicit discharge. When an illicit discharge is identified, appropriate source tracking procedures are selected and used to track the discharge to its source.

Measurable Goals, including frequencies

As needed, implement procedures for tracking illicit discharges to their source.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

- Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ C.5 Illicit Source Removal Procedures

Brief Description of BMP

The Village of Vernon Hills has developed procedures for removing illicit discharges from the storm drain system once they have been tracked to their source. These procedures generally include: using an independent third-party to confirm the presence of an illicit discharge; notifying the landowner of the presence of an illicit discharge; requesting and conducting a site inspection with the landowner to pinpoint the source of the illicit discharge and to identify potential remedial actions; notifying the landowner of the need to take corrective action; and, if necessary, enforcing the provisions of the illicit discharge ordinance to have the illicit discharge removed from the storm sewer system.

Measurable Goals, including frequencies

As needed, implement procedures for removing illicit discharges from the storm drain system.

Milestones

- Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ C.6 Program Evaluation and Assessment

Brief Description of BMP

The Village of Vernon Hills periodically evaluates and assesses the effectiveness of its Illicit Discharge Detection and Elimination program. This evaluation is generally based on the results of the Village of Vernon Hills visual dry weather screening program and on the number of non-stormwater discharges and illegal dumping incidents identified through both employee and public reporting. If the Village of Vernon Hills Illicit Discharge Detection and Elimination program is

effective, it is logical to assume that, over time, the number of non-stormwater discharges and illegal dumping incidents identified through visual dry weather screening, employee reporting, and public reporting will decline.

Measurable Goals, including frequencies

Conduct annual evaluation and assessment of illicit discharge detection and elimination program.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ C.7 Visual Dry Weather Screening

Brief Description of BMP

In accordance with the current version of the Permit, the Village of Vernon Hills conducts annual inspections of storm sewer outfalls for detection of non-stormwater discharges and illegal dumping. During such inspections, outfalls are assessed to determine whether or not flow is observed and whether or not any indicators of an illicit discharge are present. The results of each inspection are recorded on a form, and based on such results, appropriate follow-up actions are prescribed. Such follow-up actions may include additional inspections, additional water quality sampling and analysis, source tracking, and source removal. Follow-up activities are generally prioritized based on the scope and magnitude of the associated illicit discharge.

Measurable Goals, including frequencies

Conduct annual inspections of storm sewer outfalls for detection of illicit discharges.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☐ C.8 Pollutant Field Testing

☒ C.9 Public Notification

Brief Description of BMP

The Village of Vernon Hills provides and publicizes a phone number that the public can use to submit information about stormwater-related problems and concerns. The Village of Vernon Hills documents and tracks the resolutions of problems and complaints reported by the public, including reports of illicit discharges and illegal dumping.

Measurable Goals, including frequencies

Provide phone number that the public can use to submit information about stormwater-related problems and concerns, including illicit discharges. As needed, follow up on reports of illicit discharges and illegal dumping received from the public.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ C.10 Other Illicit Discharge Controls

Brief Description of BMP

As part of its Public Education and Outreach program, the Village of Vernon Hills distributes informational materials to businesses and the general public about the hazards associated with illegal discharges and the improper disposal of waste.

Measurable Goals, including frequencies

Distribute informational materials about the hazards of illicit discharges and illegal dumping from "take away" rack at Village Hall and through the Village of Vernon Hills website.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

D. Construction Site Runoff Control

Approximate date first implemented: March 2003 Frequency of each BMP program: Annually (at a minimum)

Qualifying Local Programs

Lake County has adopted a county-wide Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is administered and enforced within the Village of Vernon Hills by Village of Vernon Hills, establishes standards for Construction Site Runoff Control. Although the Village of Vernon Hills intends to share responsibility for the implementation of the Construction Site Runoff Control MCM with the QLP, as outlined in this NOI, the primary responsibility for the implementation of the Construction Site Runoff Control MCM lies with Village of Vernon Hills is currently a Certified Community, as defined by the WDO.

Lake County has adopted a county-wide Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is administered and enforced within the Village of Vernon Hills by the Village of Vernon Hills, establishes standards for Construction Site Runoff Control.

Although the Village of Vernon Hills intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below, the primary responsibility for the implementation of the Construction Site Runoff Control MCM lies with the Village of Vernon Hills, as the Village of Vernon Hills is currently a Certified Community, as defined by the WDO.

Qualifying Local Program:

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the current version of the Permit, including activities related to Construction Site Runoff Control.

MS4 Stormwater Management Program:

In accordance with the current version of the Permit, the Village of Vernon Hills has developed and implemented a Construction Site Runoff Control program to reduce the amount of pollution contained in construction stormwater runoff that enters the Village of Vernon Hills storm sewer system from development sites. The Village of Vernon Hills has adopted the Lake County WDO and is currently certified by SMC to administer and enforce the provisions of the WDO. The Village of Vernon Hills designated Enforcement Officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO within the Village of Vernon Hills.

☒ D.1 Regulatory Control Program

Brief Description of BMP

The WDO is the regulatory mechanism that requires the use of soil erosion and sediment controls on development sites throughout Lake County. The soil erosion and sediment control provisions of the WDO are included in Article IV, Section B.1.j. of the ordinance. At a minimum, these standards apply to any development project that hydrologically disturbs 5,000 square feet of land or more. As a Certified Community, the Village of Vernon Hills is responsible for the administration and enforcement of the WDO within the Village of Vernon Hills.

Measurable Goals, including frequencies

Continue to administer and enforce the WDO.

Milestones

Measurable Goals (include shared responsibilities)

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ D.2 Erosion and Sediment Control BMPs

Brief Description of BMP

Article IV, Section B.1.j of the WDO specifies the soil erosion and sediment control measures that must be used in conjunction with any land disturbing activities conducted on a development site. It specifies the use of a variety of soil erosion and sediment control BMPs including: minimize soil disturbance; protect adjoining properties from erosion and sedimentation; complete installation of soil erosion and sediment control features prior to commencement of hydrologic disturbance; stabilize disturbed areas within 7 days of active disturbance; avoid disturbance of streams whenever possible; use controls that are appropriate for the size of the tributary drainage area; protect functioning storm sewers from sediment; prevent sediment from being tracked onto adjoining streets; limit earthen embankments to slopes of 3H:1V; identify soil stockpile areas; and utilize statewide standards and specifications as guidance for soil erosion and sediment control. As a Certified Community, the Village of Vernon Hills is responsible for the administration and enforcement of the WDO within the Village of Vernon .

Measurable Goals, including frequencies

Continue to administer and enforce the WDO.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ D.3 Other Waste Control Program

Brief Description of BMP

Article IV, Section B.1.j of the WDO includes provisions related to the control of waste and debris during construction on development sites. As a Certified Community, the Village of Vernon Hills is responsible for the administration and enforcement of the WDO within the Village of Vernon Hills.

Measurable Goals, including frequencies

Continue to administer and enforce the WDO.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ D.4 Site Plan Review Procedures

Brief Description of BMP

A community's designated enforcement officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO. Within certified communities (i.e., communities certified by SMC to administer and enforce the provisions of the WDO), responsibility for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO lies with the MS4; within non-certified communities, the designated enforcement officer is SMC's chief engineer. Since the Village of Vernon Hills is a Certified Community, the Village of Vernon Hills designated enforcement officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO within the Village of Vernon Hills.

Measurable Goals, including frequencies

Continue to administer and enforce the WDO.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ D.5 Public Information Handling Procedures

Brief Description of BMP

The Village of Vernon Hills provides and publicizes a phone number that the public can use to submit information about stormwater-related problems and concerns. The Village of Vernon Hills documents and tracks the resolutions of problems and complaints reported by the public, including reports of soil erosion and sediment control issues on development sites. Since the Village of Vernon Hills is a Certified Community, the Village of Vernon Hills designated enforcement officer is responsible for investigating reports of soil erosion and sediment control issues on development sites within the Village of Vernon Hills.

Measurable Goals, including frequencies

Provide phone number that the public can use to submit information about storm water-related problems and concerns, including soil erosion and sediment control issues. As needed, follow up on reports of soil erosion and sediment control issues received from the public.

Milestones

- Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ D.6 Site Inspection/Enforcement Procedures

Brief Description of BMP

Article VI of the WDO contains both recommended and minimum requirements for the inspection of development sites. Within certified communities, the community's designated enforcement officer is responsible for conducting these inspections; within non-certified communities, SMC's chief engineer is responsible for conducting these inspections. Per the ordinance, these inspections may be conducted by a community's designated enforcement officer at any stage in the construction process. For major developments, as defined by the WDO, the enforcement officer conducts site

inspections, at a minimum, upon completion of installation of soil erosion and sediment controls, prior to the start of any other land disturbing activities, and after final stabilization and landscaping, prior to the removal of soil erosion and sediment controls. Since the Village of Vernon Hills is a Certified Community, the Village of Vernon Hills designated enforcement officer is responsible for conducting site inspections within the Village of Vernon Hills. Article VII of the WDO specifies the legal actions that may be taken and the penalties that may be imposed if the provisions of the WDO are violated. If development activities on a development site are not in compliance with the requirements of the WDO, the enforcement officer may issue a stop work order on all development activity on the development site or on the development activities that are in direct violation of the WDO. In addition, failure to comply with any of the requirements of the WDO constitutes a violation of the WDO, and any person convicted of violating the WDO may be fined.

Measurable Goals, including frequencies

Continue to administer and enforce the WDO.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☐ D.7 Other Construction Site Runoff Controls

E. Post-Construction Runoff Control

Approximate date first implemented: March 2003

Frequency of each BMP program: Annually (at a minimum)

Qualifying Local Programs

As described above, Lake County has adopted a county-wide Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is administered and enforced within the Village of Vernon Hills by the Village of Vernon Hills, establishes standards for Post-Construction Runoff Control. Although the Village of Vernon Hills intends to share responsibility for the implementation of the Post-Construction Runoff Control MCM with the QLP, as outlined in this NOI, the primary responsibility for the implementation of the Post-Construction Runoff Control MCM lies with the Village of Vernon Hills, as the Village of Vernon Hills is currently a Certified Community as defined by the WDO.

As described above, Lake County has adopted a county-wide Watershed Development Ordinance (WDO) that establishes the minimum stormwater management requirements for development in Lake County. The WDO, which is administered and enforced within the Village of Vernon Hills by the Village of Vernon Hills, establishes standards for Post-Construction Runoff Control.

Although the Village of Vernon Hills intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below, the primary responsibility for the implementation of the Post-Construction Runoff Control MCM lies with the MS4.

Qualifying Local Program:

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the current version of the Permit, including activities related to Post-Construction Runoff Control.

MS4 Stormwater Management Program:

In accordance with the current version of the Permit, the Village of Vernon Hills has developed and implemented a Post-Construction Runoff Control program to reduce the amount of pollution contained in post-construction stormwater runoff that enters the Village of Vernon Hills' storm sewer system from development sites. The Village of Vernon Hills has adopted the Lake County WDO and is currently certified by SMC to administer and enforce the provisions of the WDO. The Village of Vernon Hills designated Enforcement Officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO within the Village of Vernon Hills.

Measurable Goals (include shared responsibilities)

☐ E.1 Community Control Strategy

☒ E.2 Regulatory Control Program

Brief Description of BMP

The WDO requires all applicants to adopt stormwater management strategies for controlling post-construction stormwater runoff on development sites. As outlined in Article IV, Section B.1 of the WDO, all applicants must adopt stormwater management strategies that minimize increases in stormwater runoff rates, volumes, and pollutant loads from development sites. Proposed stormwater management strategies must address the runoff volume reduction requirements described in Article IV, Section B.1.d of the WDO and must include appropriate stormwater BMPs to address the other applicable post-construction runoff control requirements of the WDO. As a Certified Community, the Village of Vernon Hills is responsible for the administration and enforcement of the WDO within the Village of Vernon Hills.

Measurable Goals, including frequencies

Continue to administer and enforce the WDO.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ E.3 Long Term O & M Procedures

Brief Description of BMP

The Village of Vernon Hills has developed long-term operation and maintenance procedures to help reduce the amount of pollution contained in post-construction stormwater runoff that enters the Village of Vernon Hills storm sewer system. The procedures address both new and existing development.

The Village of Vernon Hills long-term operation and maintenance procedures address new development via the WDO. The WDO requires that maintenance plans be developed for all stormwater management systems designed to serve major developments, as defined by the WDO. Such maintenance plans must include: a description of all maintenance tasks; an identification of the party or parties responsible for performing such maintenance tasks; a description of all permanent maintenance easements or access agreements, overland flow paths, and compensatory storage areas; and a description of dedicated sources of funding for the required maintenance. The WDO also requires that all stormwater management systems be located within a deed or plat restriction (e.g., easement) to ensure that the system remains in place in perpetuity and that access to the system is maintained in perpetuity for inspection and maintenance purposes. As a Certified Community, the Village of Vernon Hills is responsible for the administration and enforcement of the WDO within the Village of Vernon Hills.

The Village of Vernon Hills long-term operation and maintenance procedures address existing development via an inspection and maintenance program. The Village of Vernon Hills periodically inspects all existing post-construction stormwater management facilities (e.g., detention facilities), including those that have a maintenance plan (i.e., facilities located within developments regulated by the WDO) as well as those that do not (i.e., facilities located within developments predating, and therefore not regulated by, the WDO), to identify any maintenance tasks and/or any repairs that need to be completed. Responsible parties are notified of the inspection results and of the need to complete any maintenance tasks or repairs.

Measurable Goals, including frequencies

Continue to administer and enforce the WDO. Conduct inspections of existing stormwater management facilities on a five-year basis to identify the need for maintenance and/or repairs.

Milestones

- Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ E.4 Pre-Construction Review of BMP Designs

Brief Description of BMP

As described above, a community's designated enforcement officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO. This includes a review of the stormwater BMPs that will be used to meet the post-construction runoff control requirements of the WDO. Since the Village of Vernon Hills is a Certified Community, the Village of Vernon Hills designated enforcement officer is responsible for reviewing and permitting development plans and for administering and enforcing the provisions of the WDO within the village.

Measurable Goals, including frequencies

Continue to administer and enforce the WDO.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ E.5 Site Inspections During Construction

Brief Description of BMP

As described above, Article VI of the WDO contains both recommended and minimum requirements for the inspection of development sites. Per the ordinance, these inspections may be conducted by a community's designated enforcement officer at any stage in the construction process. For major developments, as defined by the WDO, the enforcement officer conducts site inspections, at a minimum, upon completion of installation of soil erosion and sediment controls, prior to the start of any other land disturbing activities, and after final stabilization and landscaping, prior to the removal of soil erosion and sediment controls. Since the Village of Vernon Hills is a Certified Community, the Village of Vernon Hills designated enforcement officer is responsible for conducting site inspections within the village.

Measurable Goals, including frequencies

Continue to administer and enforce the WDO.

Milestones

- Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ E.6 Post-Construction Inspections

Brief Description of BMP

As described above, Article VI of the WDO contains both recommended and minimum requirements for the inspection of development sites. Per the ordinance, these inspections may be conducted by a community's designated enforcement officer at any stage in the construction process, including after final stabilization and landscaping, after the removal of soil erosion and sediment controls. For major developments; as defined by the WDO, the enforcement officer conducts site inspections, at a minimum, upon completion of installation of soil erosion and sediment controls, prior to the start of any other land disturbing activities, and after final stabilization and landscaping, prior to the removal of soil erosion and sediment controls. Since the Village of Vernon Hills is a Certified Community, the Village of Vernon Hills designated enforcement officer is responsible for conducting site inspections within the village.

Measurable Goals, including frequencies

Continue to administer and enforce the WDO.

Milestones

- Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☐ E.7 Other Post-Construction Runoff Controls

F. Pollution Prevention/Good Housekeeping

Approximate date first implemented: March 2003

Frequency of each BMP program: Annually (at a minimum)

Qualifying Local Programs

In accordance with the current version of the Permit, the Village of Vernon Hills has developed and implemented a Pollution Prevention/Good Housekeeping program to reduce the amount of pollution generated by municipal activities and operations. The program includes: an operation and maintenance program that incorporates pollution prevention and good housekeeping into day-to-day activities and operations; spill prevention and response procedures; and, an employee training program.

In coordination and collaboration with the QLP, the Village of Vernon Hills will continue to perform activities related to the Pollution Prevention/Good Housekeeping minimum control measure, as described below. Note that although the Village of Vernon Hills intends to share responsibility for the implementation of the Pollution Prevention/Good Housekeeping MCM with the QLP, as outlined in this NOI, the primary responsibility for the implementation of the Pollution Prevention/Good Housekeeping MCM lies with the Village of Vernon Hills.

The Village of Vernon Hills intends to share responsibility for the implementation of its stormwater management program with a Qualifying Local Program (QLP), as outlined below. Note, however, that the primary responsibility for the implementation of the Pollution Prevention/Good Housekeeping MCM lies with the Village of Vernon Hills.

Qualifying Local Program:

The Lake County Stormwater Management Commission (SMC) serves as a QLP for Lake County MS4s. As a QLP, SMC performs activities related to each of the six MCMs described in the current version of the Permit, including activities related to Pollution Prevention/Good Housekeeping.

MS4 Stormwater Management Program:

In accordance with the current version of the Permit, the Village of Vernon Hills has developed and implemented a Pollution Prevention/Good Housekeeping program to reduce the amount of pollution generated by municipal activities and operations. The program includes: an employee training program; an operation and maintenance program that incorporates pollution prevention and good housekeeping practices into day-to-day activities and operations; stormwater pollution control and non-stormwater discharge control procedures; waste management and disposal procedures; and, spill prevention, control, and cleanup procedures.

☒ F.1 Employee Training Program

Brief Description of BMP

The Village of Vernon Hills has developed and implemented an employee training program to help educate employees about the impacts of the pollution generated by municipal activities and operations and the steps that they can take to reduce those impacts. The employee training program teaches employees about the following: the impacts of stormwater runoff on receiving water bodies; the activities and operations that may be sources of stormwater pollution and/or non-stormwater discharges; the roles and responsibilities of each department and each individual employee in reducing the amount of pollution generated by municipal activities and operations; selecting and implementing stormwater best management practices; and, managing and maintaining green infrastructure practices.

Employees are subjected to a software-based employee training program, which provides baseline training on municipal pollution prevention/good housekeeping and are encouraged to attend relevant training opportunities that appear on the list of known employee training resources and opportunities provided by the QLP. Additionally, the Village of Vernon Hills works to identify and develop employee training resources and opportunities that contain educational materials tailored to those activities and operations conducted by specific departments and employees.

Measurable Goals, including frequencies

Continue to develop and implement employee training program.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Measurable Goals (include shared responsibilities)

- Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ F.2 Inspection and Maintenance Program

Brief Description of BMP

The Village of Vernon Hills regularly inspects and maintains municipally owned or operated properties and infrastructure, including streets, parking lots, stormwater management facilities, storm sewers, landscaped areas, and maintenance facilities. A primary goal of the operation and maintenance program is to address municipal infrastructure repair and maintenance needs in a way that reduces the amount of pollution that collects or that is generated on municipally owned or operated properties. Consequently, the Village of Vernon Hills works to incorporate pollution prevention and good housekeeping into its day-to-day activities and operations.

Measurable Goals, including frequencies

Continue to implement inspection and maintenance program. Continue to incorporate pollution prevention and good housekeeping practices into day-to-day activities and operations.

Milestones

- Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.
- Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ F.3 Municipal Operations Storm Water Control

Brief Description of BMP

As part of its pollution prevention/good housekeeping efforts, the Village of Vernon Hills has identified municipal activities and operations with the potential to cause stormwater pollution or result in a non-stormwater discharge (e.g.,

vehicle maintenance, winter roadway maintenance). Through its employee training and operation and maintenance programs, the Village of Vernon Hills works to incorporate pollution prevention and good housekeeping practices into these activities and operations.

Measurable Goals, including frequencies

Continue to incorporate pollution prevention and good housekeeping practices into day-to-day activities and operations.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☒ F.4 Municipal Operations Waste Disposal

Brief Description of BMP

Waste management consists of implementing non-structural (i.e., procedural) and structural pollution prevention and good housekeeping practices for handling, storing, and disposing of wastes generated by municipal activities and operations. Through its employee training and operation and maintenance programs, the Village of Vernon Hills works to incorporate these waste management practices into its day-to-day activities and operations to prevent the release of waste into the storm sewer system.

Measurable Goals, including frequencies

Continue to incorporate waste management practices into day-to-day activities and operations.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

☐ F.5 Flood Management/Assess Guidelines

☒ F.6 Other Municipal Operations Controls

Brief Description of BMP

The Village of Vernon Hills has developed spill prevention, control, and cleanup procedures to prevent and respond to spills that result from municipal activities and operations. Through its employee training and operation and maintenance programs, the Village of Vernon Hills works to incorporate these spill prevention, control, and cleanup procedures into its day-to-day activities and operations to prevent the release of spills into the storm sewer system.

Measurable Goals, including frequencies

Continue to incorporate spill prevention, control, and cleanup procedures into day-to-day activities and operations.

Milestones

Year 1: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 2: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 3: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 4: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Year 5: The Village of Vernon Hills began implementation of this BMP in March 2003 and will continue to implement it on an annual basis.

Additional Info

BMP Number: _____

BMPs Currently Implemented and Proposed

BMP Number	Location
	All BMPs described above are currently implemented and proposed structural or non-structural BMPs.

Approximate Pollutant Reduction Resulting from each BMP

BMP Number	Pollutant	Reduction
	*To be added upon receipt of formal guidance issued by IEPA.	

Instream Monitoring Program

Is there an instream monitoring program currently in place? ☐ Yes ☒ No

Is an instream monitoring program currently being proposed? ☐ Yes ☒ No

Sediment Monitoring

Is sediment monitoring currently taking place? ☐ Yes ☒ No

Sample Monitoring of Outfalls

Is sample monitoring of outfalls currently taking place? ☐ Yes ☒ No

Other Monitoring

Describe other types of monitoring implemented or proposed to evaluate the BMP effectiveness or water quality impact of stormwater.

Monitoring is conducted as required by the permit.

Part III. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fines and imprisonment.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony (415 ILCS 5/44 (h)).

David Brown

Authorized Representative Name



Authorized Representative Signature

Public Works Director / Village Engineer

Title

3/5/21

Date

You may complete this form online and save a copy locally before printing and signing the form. It should then be sent to:

Illinois Environmental Protection Agency
Bureau of Water
Division of Water Pollution Control
Attn: Permit Section
P.O. Box 19276
1021 North Grand Avenue East
Springfield, IL 62794-9276

Information required by this form must be provided to comply with 415 ILCS 5/39 (2000). Failure to do so may prevent this form from being processed and could result in your application being denied.