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May 22, 2019

Mr. Terri LeMasters
Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Springfield, IL 62794-9276

RE: VILLAGE OF LAKE IN THE HILLS, NPDES PHASE II – YEAR 16 ANNUAL REPORT

Dear Mr. LeMasters:

Enclosed please find the NPDES Phase II – Year 16 completed Annual Report for the Village of Lake in the Hills for continued coverage under the General Permit issued by the Illinois Environmental Protection Agency (IEPA).

If you have any questions or concerns, please contact me at (847) 960-7500.

Sincerely,

VILLAGE OF LAKE IN THE HILLS

A handwritten signature in cursive script that reads "Dan Kaup".

Dan Kaup
Public Works Director

Enclosure

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Part A. Changes to Best Management Practices

There were no changes in Year 16 to the Best Management Practices (BMPs) that were in the NOI permit for Years 16-21.

Part B. Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed in Year 16 are described below.

1. Public Education and Outreach

A.1 Distributed Paper Material

Measurable Goals: Continue to distribute and maintain informational center.

Status: The Village has distributed educational materials through an informational center at the Village Hall and at the Public Works Facility. Materials are distributed at the annual Public Works Open House. There were six Lake Notes and five Coal Tar Based Sealant brochures handed out at the Open House. Articles are also placed in the Lake in the Hills Messenger and Resident Insider.

A.2 Village Website Stormwater Education

Measurable Goals: Create web page on Village website with stormwater educational materials.

Status: The Village currently has a Frequently Asked Questions and Information page posted on the Village website. The website informs the public of the NPDES program and about non-point source pollution. It has many of the frequently asked questions residents are looking for with answers. The website is a continuing project and will continue to receive additional information pages on causes of stormwater pollution and what residents can do to help.

2. Public Participation/Involvement

B.4 Public Hearing

Measurable Goals: Present summary of ongoing program implementation at least once annually at public meeting of function.

Status: As part of the budget process, drainage improvement and maintenance, efforts were discussed. During the Public Works Open House drainage, questions were asked by residents and answered by divisional staff. A meeting was held regarding drainage at a public facility with staff and engineers.

B.5 Community Involvement

Measurable Goals: Create opportunity for community involvement in stormwater program.

Status: The Village has utilized community service involvement in creek line and detention area cleanup. Four Community Service individuals have been used and participated in cleanup efforts during summer months.

3. Illicit Discharge Detection and Elimination

C.1 Storm Sewer Map Preparation

Measurable Goals: Continue locating visible outfalls on base map and update as needed.

Status: The Village has continued mapping the outfalls through field survey and subdivision plan review. There were multiple updates submitted this year. The Village's Storm Sewer Atlas receives updates yearly to reflect these changes and is an ongoing project.

C.2 Regulatory Control Program

Measurable Goals: Implement, review and conduct final Illicit Discharge Detection and Elimination (IDDE) Ordinance.

Status: The Village has adopted a Stormwater Protection Ordinance.

C.3 Detection/Elimination Prioritization Plan

Measurable Goals: Implement, review and conduct the Prioritization Plan.

Status: The Village has implemented and conducts the Illicit Discharge Detection/Elimination Prioritization Plan.

C.4 Illicit Discharge Tracing Procedures

Measurable Goals: Implement, review and conduct Illicit Discharge Tracing Procedures.

Status: The Village has developed and is carrying out Illicit Discharge Tracing Procedures. Zero illicit discharge was reported and investigated.

C.5 Illicit Source Removal Procedures

Measurable Goals: Implement, review and conduct Illicit Source Removal Procedures.

Status: Removal and enforcement procedures are contained in the Stormwater Protection Ordinance. There were no illicit discharge enforcement conducted by the Village.

C.7 Visual Dry Weather Screening

Measurable Goals: Implement, review and conduct procedures for field employee training.

Status: The Village has established procedures for field employee training. An Outfall Reconnaissance Inventory/Sample Collection Field Sheet is used to perform visual dry weather screening. There were sixty-two dry weather outfall inspections performed in the summer and three employees are trained at this time.

4. Construction Site Runoff Control

D.1 Regulatory Control Program

Measurable Goals: Enforce the Stormwater Management Ordinance (SMO).

Status: The Village has enforced the SMO. There was one Stormwater permit issued.

D.2 Erosion and Sediment Control BMPs

Measurable Goals: Enforce the SMO.

Status: The Village has enforced the Stormwater Management Ordinance by conducting site visits to construction projects to ensure the appropriate measures for erosion and sediment control are installed and maintained during the construction phase.

D.3 Other Waste Control Program

Measurable Goals: Enforce the SMO.

Status: The Village has enforced the Stormwater Management Ordinance by conducting site visits to construction projects to ensure that proper measures are in place to control construction waste.

D.4 Site Plan Review Procedures

Measurable Goals: Complete draft review procedures.

Part B. Status of Compliance with Permit Conditions

Status: The Village has enforced the Stormwater Management Ordinance by reviewing pre-construction site plans to ensure consistency with local sediment and erosion control requirements. The Village engineer has checklists related to information required by ordinance, a template work plan for plan reviews and a typical review letter, all of which ensure consistency with local requirements.

D.5 Public Information Handling Procedures

Measurable Goals: Track number of complaints received and processed related to soil erosion and sediment control.

Status: The Village utilizes a tracking system for handling received complaints related to soil erosion and sediment control. There was one issue related to erosion that was identified and repaired.

D.6 Site Inspection/Enforcement Procedures

Measurable Goals: Enforce the SMO.

Status: The Village has enforced the SMO, which contains inspection/enforcement procedures for development activities. There was one inspection and enforcement procedures required for silt fence installation.

5. Post-Construction Runoff Control

E.2 Regulatory Control Program

Measurable Goal: Enforce the SMO, participate in SMO revision process, and adopt amendments.

Status: The Village has enforced the SMO, participated in SMO revision process, and adopted amendments. The Village is an active member of the McHenry County Stormwater Technical Advisory Committee.

E.3 Long Term O&M Procedures

Measurable Goal: Continue to require Homeowners Associations and Dormant SSA's, and continue to enforce the SMO, participate in SMO revision processes, and adopt amendments.

Status: The Village has required the creation of HOAs to maintain stormwater infrastructure associated with new developments. The maintenance requirements for the detention basins are outlined in the subdivision CCR's and are reviewed by the Village prior to approval. The Village also has required the creation of a SSA, which will enable the Village to take over maintenance of the stormwater facilities, at the expense of the members of the Association, should the Association disband or fail to fulfill its maintenance requirements. The Village also has enforced the SMO, participated in SMO revision processes, and adopted amendments.

E.4 Pre-Construction Review of BMP Designs

Measurable Goal: Enforce the SMO. Begin process of conducting inventory of structural runoff controls.

Status: The Village has enforced the SMO and conducted dry weather outfall screenings of structural runoff controls.

E.5 Site Inspections During Construction

Measurable Goal: Enforce the SMO.

Status: The Village has enforced the SMO. The Village's engineering firm visits construction sites daily during the construction process. If deficiencies are noticed, the construction contractor is notified and repairs made immediately.

E.6 Post-Construction Inspections

Measurable Goal: Enforce the SMO.

Status: The Village has enforced the SMO.

E.7 Other Post-Construction Runoff Controls

Measurable Goal: Enforce the SMO.

Status: The Village has enforced the SMO.

E.8 Other Post-Construction Runoff Controls

Measurable Goal: Provide employee training in erosion and sediment control measures.

Status: The Streets Department has one employee trained for erosion and sediment control. The Village also has two Certified Stormwater Inspectors.

E.9 Other Post-Construction Runoff Controls

Measurable Goal: Review VLMP lake monitoring data to evaluate effectiveness of the program.

Status: The Village continues to participate in VLMP lake monitoring and reviews the data collected for the current year from previous year's data. The reviews show that there have been no significant changes in the lake. The Village will continue to monitor and review results with other communities that also participate in the program.

6. Pollution Prevention/Good Housekeeping

F.1 Employee Training Program

Measurable Goals: Implement, review and conduct pollution prevention plan for municipal activities. Conduct municipal employee training for employees in relevant positions that will implement or utilize BMPs. Update training program as needed.

Status: The Village has in place a pollution prevention plan for municipal operations that focuses on maintaining stormwater quality through the implementation of BMPs. The program has been based on existing training programs that the Village currently conducts or a modification of an existing program. A total of forty employees are trained in pollution prevention.

F.2-F.3 Inspection and Maintenance Program

Measurable Goals: Continue to implement and improve the operation and maintenance program.

Status: The Village has developed an operation and maintenance program to address the maintenance needs of municipal properties. The program includes a description of all municipal properties and activities that will be undertaken by the Public Works staff such as park and open space maintenance, fleet and building maintenance, erosion control procedures for new construction, maintenance of the storm sewer system, and proper waste disposal. All streets within the Village are swept monthly and catch basin cleaning is done on a 5-year cycle. The Village has in place a program for jetting pipes

Part B. Status of Compliance with Permit Conditions

and pipe inspection. The Village also has in place a program for catch-basin inspection. A Drainage Inspection Plan has been implemented and a comprehensive detention review was conducted. There are fifteen monthly culvert inspections performed, twenty wet and dry bottom detention areas inspected two times per year. Maps of the detention areas have been created indentifying structures, restrictors and overflow areas. All creeks are inspected yearly. The Village submitted and was approved for a 319 grant to do construction on streambank stabilization over the next four years.

F.4 Municipal Operations Waste Disposal

Measurable Goals: Continue to identify and implement spill prevention and control procedures. Track amount of sweeper spoils collected and hauled away.

Status: The Village has in place a Spill Prevention, Control and Countermeasures (SPCC) Plan. Educational materials and training in spill prevention and control is an ongoing process. From March to March the Village has collected and hauled away fifty cubic yards of sweeper spoils.

Part C. Information and Data Collection Results

The protocol established in the permit were followed; one illicit discharge was observed and documented and no illicit discharges were tested.

Part D. Summary of Year 17 Stormwater Activities

Below are listed the various BMPs which have milestones to be completed in Year 17, as outlined in the NOI as part of the second permit term (for Years 16-21). The specific milestone to be completed for each BMP is shown.

- A.1—Continue to track numbers of materials distributed and maintain informational center.
- A.2—Create web page on Village website with stormwater educational materials.
- B.4—Present summary of ongoing program implementation at least once annually at public meeting.
- B.5—Create opportunity for community involvement in stormwater program.
- C.1—Continue mapping the outfalls through field survey and subdivision plan review.
- C.2—Implement, review and conduct final Illicit Discharge Detection and Elimination (IDDE) Ordinance.
- C.3—Implement, review and conduct the Prioritization Plan.
- C.4—Implement, review and conduct Illicit Discharge Tracing Procedures.
- C.5—Implement, review and conduct Illicit Source Removal Procedures.
- C.7—Implement, review and conduct procedures for field employee training.
- C.8—Perform yearly field sampling and testing of outfalls.
- D.1-D.4—Continue to enforce the SMO.
- D.5—Continue to develop a tracking system for handling received complaints related to soil erosion and sediment control.
- D.6—Continue to enforce the SMO, which contains inspection/enforcement procedures for development activities.
- E.2—Continue to enforce the SMO, participate in SMO revision process, and adopt amendments.
- E.3—Continue to require Homeowners Associations and Dormant SSAs, and continue to enforce the SMO, participate in SMO revision processes, and adopt amendments.
- E.4—Continue to enforce the SMO and continue with the process of conducting inventory of structural runoff controls.
- E.5—Continue to enforce the SMO
- E.6—Continue to enforce the SMO
- E.7—Continue to enforce the SMO
- E.8—Provide employee training in erosion and sediment control measures.
- E.9—Review VLMP lake monitoring data to evaluate effectiveness of the program.
- F.1—Implement, review and conduct pollution prevention plan for municipal activities. Conduct municipal employee training for employees in relevant positions that will implement or utilize BMPs. Update training program as needed.
- F.2-F.3—Continue to implement and improve the operation and maintenance program.
- F.4—Continue to identify and implement spill prevention and control procedures.

Part E. Notice of Qualifying Local Program

There are currently no Qualifying Local Programs that the Village wishes to rely on to meet the NPDES Phase II requirements.

