

VILLAGE OF HILLSIDE

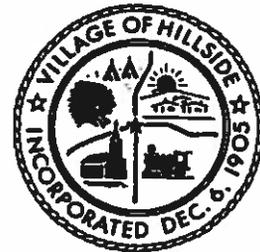
**2015 MS4
ANNUAL FACILITY INSPECTION
REPORT**

Prepared by:



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Prepared for:



Village of Hillside
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1) ANNUAL REPORT



Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control ANNUAL FACILITY INSPECTION REPORT

for NPDES Permit for Storm Water Discharges from Separate Storm Sewer Systems (MS4)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. Complete each section of this report.

Report Period: From March, 2014 To March, 2015

Permit No. ILR40

MS4 OPERATOR INFORMATION: (As it appears on the current permit)

Name: Village of Hillside Mailing Address 1: 425 Hillside Avenue

Mailing Address 2: _____ County: Cook

City: Hillside State: IL Zip: 60182 Telephone: 708-202-3434

Contact Person: Joseph Pisano, Director of Public Works Email Address: jpisano@hillside-il.org
(Person responsible for Annual Report)

Name(s) of governmental entity(ies) in which MS4 is located: (As it appears on the current permit)

Village of Hillside IDOT
Cook County Highways Department MWRDGC

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. Changes to best management practices (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

- | | | | |
|--|--------------------------|---|-------------------------------------|
| 1. Public Education and Outreach | <input type="checkbox"/> | 4. Construction Site Runoff Control | <input checked="" type="checkbox"/> |
| 2. Public Participation/Involvement | <input type="checkbox"/> | 5. Post-Construction Runoff Control | <input type="checkbox"/> |
| 3. Illicit Discharge Detection & Elimination | <input type="checkbox"/> | 6. Pollution Prevention/Good Housekeeping | <input type="checkbox"/> |

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

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))

Joseph Pisano
Owner Signature:
Joseph Pisano
Printed Name:

9/14/15
Date:
Director of Public Works
Title:

EMAIL COMPLETED FORM TO: epa.ms4annualinsp@illinois.gov

or Mail to: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/20). Failure to disclose this information may result in a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form IL 532 2585 WPC 691 Rev 6/10 has been approved by the Forms Management Center.

2) *CHANGES TO BEST MANAGEMENT PRACTICES*

The following outlines the changes to existing best management practices relating to the following measures:

4. Construction Site Storm Water Runoff Control

Original BMP: Require Storm Water Pollution Prevention Plan (SWPPP) to be submitted for review.

In addition to the Erosion and Sediment Control (ESC) Plan that is required, developers disturbing one acre or more were to be required to submit the SWPPP to the Public Works for review.

Measurable Goal: Every new subdivision and large scale site development disturbing more than one acre was to have a SWPPP that is reviewed by the Village.

Goal Evaluation: The Village has encountered issues in attempts to institute the submittal of a SWPPP plan. The requirement of an SWPPP for every development has not proven to be cost efficient or an effective option.

Revised BMP: Require Storm Water Pollution Prevention Plan (SWPPP) to be submitted for review on applicable projects.

Measurable Goal: Every new construction within the Village will be reviewed to determine the necessity for a SWPPP.

Goal Evaluation: The Village intends to review every new construction within their limits to determine if an SWPPP or an abbreviated form of an SWPPP could be applicable. If it's found to be applicable, they will require the construction to produce these documents for review. The requirements to the extent of the submittal will be on a case by case basis.

3) *STATUS OF COMPLIANCE*

The following information summarizes the compliance and progress towards achieving the previously identified management practices and measurable goals relating to the Village of Hillside's MS4 Permit and the six measures previously noted.

For the purposes of this section, the statuses provided below will be defined as follows:

Maintain = This item has been implemented and shall be updated and maintained.

On-going = The Village continues their efforts to implement and / or complete this task.

3.1 *Public Education and Outreach*

A) **BMP:** Add information regarding storm water management on the Village website.

Measurable Goal: Information for a website was to be developed.

Goal Evaluation: The Village added the stormwater management section and continues to update this item as necessary.

Status: Maintain

B) BMP: Waste reduction and recycling guide.

The Village of Hillside provides a package of information about the waste disposal and recycling programs for new residents upon moving into the city. In addition, current residents can find this information at Village Hall and on the website of West Cook County Solid Waste Agency.

Measurable Goal: This booklet will continue to be distributed at the above listed locations. The Village may add a link to West Cook County Solid Waste Agency on their website.

Goal Evaluation: The booklet has continued to be a success and has proven to be a beneficial means of public awareness.

Status: Maintain

C) BMP: Water Conservation Practices for Homeowners.

Water is supplied to the Village by the Hillside-Berkeley Water Commission. The Commission purchases Lake Michigan water from the City of Chicago. The Village has several conservation measures that are implemented throughout the Village. All fixtures have to conform to the flow rates specified by the Village and car washes use recycled water in the wash and rinse cycles. In addition, outdoor water use is restricted in the summer months.

Measurable Goal: Public awareness of watering restrictions through signs.

Goal Evaluation: The Village has added water restriction information to their website, posted signs, and has distributed information via their monthly newsletter as well as separate pamphlets. This BMP has reduced the amount of water usage fines within the Village.

Status: Maintain

D) BMP: Provide Educational Material to Area Schools.

The Village intends to distribute stormwater runoff and stormwater pollution educational material to local elementary schools.

Measurable Goal: The material will be distributed to schools ahead of Earth Day and can be worked into any Earth Day activities. In addition, the material can be referenced during the science curriculums that deal with the water cycle.

Goal Evaluation: The Village continues to seek a method appropriate to distribute the material to local schools.

Status: On-going

E) BMP: Develop Storm water Educational Material for Restaurant Owners.

The Village intends to develop stormwater educational materials for restaurant owners that will focus on fats, oils and grease (FOG) management.

Measurable Goal: Restaurants who manage their FOG will result in a reduction of oil being discharged to the sanitary sewer which will prevent sewer plugging and sewer overflows to receiving streams.

Goal Evaluation: The Village continues to educate local restaurant owners via meetings and discussions. They continue to seek a method to deliver this information in other forms.

Status: On-going

3.2 *Public Involvement/Participation*

A) BMP: Public hearings on proposed subdivisions.

The Planning Commission holds a public hearing for new subdivisions, giving the public the opportunity to comment on erosion, storm water quality, and other concerns.

Measurable Goal: This process was implemented and followed for all new qualifying subdivisions.

Goal Evaluation: The Village has continued to hold public hearings for all developments within the Village although public response or participation has been minimal.

Status: Maintain

B) BMP: Hazardous household waste drop-off.

The Village of Hillside, in conjunction with the West Cook County Solid Waste Agency, holds a hazardous household waste drop-off every other year to allow citizens to dispose of unused portions of household chemicals, paint, etc.

Measurable Goal: This program has been held with a collection every other year.

Goal Evaluation: This BMP has proved very effective and has necessitated the Village to coordinate with the surrounding agencies to provide hazardous drop-off locations for residents on a yearly basis.

Status: Maintain

C) BMP: Used tire collection.

The Village of Hillside participates in the used tire collection program by West Cook County Solid Waste Agency.

Measurable Goal: Tire collection has been held annually.

Goal Evaluation: The Village continues to see the public respond and participate to this program with good results.

Status: Maintain

D) BMP: Stencil Painting on Storm Inlets.

The Village of Hillside will require new storm inlets added to the system be stenciled with the "No Dumping – Drains to River" stencil. In addition, inlets that are rebuilt or adjusted will also receive the stencil.

Measurable Goal: The stencil will inform residents that the inlet drains to a river and potentially deter them from dumping illicit substances into the storm sewer.

Goal Evaluation: The Village is currently seeking the proper means to accomplish this item efficiently and cost effectively.

Status: On-going

E) BMP: Provide public guidance on reducing residential storm runoff.

The Village can compile educational materials for reducing residential stormwater runoff.

Measurable Goal: The Village can have the material available at Village Hall and advertise it in the monthly Village newsletter.

Goal Evaluation: Pamphlets were created and made available at the Village Hall.

Status: Maintain

3.3 *Illicit Discharge Detection and Elimination*

A) BMP: Create a storm drain system map.

Measurable Goal: The Village was to create a system map showing locations of storm water outfalls. Most of the storm water drains through storm sewers to points outside the Village limits. The Village of Hillside is covered under the SWMP and was to create a layer on their Geographic Information System (GIS) for storm water in 2005. Storm Water outfalls were to be identified and mapped by 2006. Storm sewers that are constructed after development of the GIS layer will be added to the mapping after construction of the project. Existing storm sewers have been added between 2005 and 2012. Currently all pipes and structures have been added to the GIS layer. The invert data is incomplete.

Goal Evaluation: A storm drainage system map has been created and maintained for the past several years. Currently, the Village continues to explore and incorporate the use of GIS for this map and their systems. Multiple drainage studies and basin mapping have been performed within the Village to be incorporated into the GIS when available. A full evaluation of this BMP will be performed once a GIS has been fully established.

Status: On-going

B) BMP: Reduce illegal dumping.

The Village of Hillside investigates complaints of illegal dumping and has an attorney on staff for enforcement action where necessary.

Measurable Goal: The Village of Hillside investigates all complaints from the public regarding illegal dumping.

Goal Evaluation: The BMP has continuously proven to be an effective means of decreasing illegal dumping. The number of fines issued has decreased over the last several years.

Status: On-going

C) BMP: Inspect restaurants for storm water pollution.

Measurable Goal: Health inspectors from the Cook County Public Health Department will identify sources of storm water pollution (such as floor drains connected to storm instead of sanitary sewers, or disposal of oil and grease through outdoor storm drains) and inform restaurant operators of violations. Inspectors will inform and educate restaurant operators to eliminate sources of storm water pollution.

Goal Evaluation: The amount of violations to restaurants within the Village has been minimal and illustrates the success of this BMP.

Status: Maintain

D) BMP: Identify cross connections through storm sewer televising.

If a potential illicit discharge to the storm sewer system is reported, the Village can televise the problem sewer to try to identify the illicit connection.

Measurable Goal: By televising the storm sewer with an active connection, the Village can identify the source of the pollutant and require that the source be disconnected.

Goal Evaluation: Multiple storm sewers were televised during this reporting period. Any connections found were dealt with accordingly. Multiple pipes were also cleared of debris found by the televising. The Village will continue to televise storm sewers as appropriate.

Status: On-going

3.4 Construction Site Storm Water Runoff Control

A) BMP: Development of erosion control standards for construction on individual lots.

The Planning Commission was to develop requirements for individual lots to minimize soil erosion caused by construction activities.

Measurable Goal: Standards were to be developed in 2004 and an ordinance was to be introduced in 2005.

Goal Evaluation: The Village has adopted the ESC standards used by the Illinois Department of Transportation (IDOT) and has required them to be utilized for all proposed developments within the Village. These standards have been

incorporated and enforced successfully over the last several years. The Village continues to monitor any updates to the standards in order to remain current.

Status: Maintain

B) BMP: Develop penalties for failure to maintain erosion control at construction sites.

The Village was to develop an enforcement mechanism within the above described ordinance for failing to maintain erosion and sediment control measures at construction sites, either by the ability to stop work or a monetary penalty.

Measurable Goal: Standards were to be developed in 2004, and the ordinance was to be introduced in 2005.

Goal Evaluation: The Village has enacted an ordinance allowing the denial or suspension of the construction permit if any development is not abiding by the plans approved by the Village which are required to incorporate the IDOT ESC standards and specifications. The Village has received great responses and coordination from developers during construction in regards to this BMP. The Village will continue this practice for future developments.

Status: Maintain

C) BMP: Require Storm Water Pollution Prevention Plan (SWPPP) to be submitted for review.

In addition to the Erosion and Sediment Control (ESC) Plan that is required, developers disturbing one acre or more were to be required to submit the SWPPP to the Public Works for review.

Measurable Goal: Every new subdivision and large scale site development disturbing more than one acre was to have a SWPPP that is reviewed by the Village.

Goal Evaluation: The Village has encountered issues in attempts to institute the submittal of a SWPPP plan. The requirement of an SWPPP for every development has not proven to be cost efficient or an effective option.

Status: Revised – see Section 2.

D) BMP: Erosion and Sediment Control Regulation.

The control regulations for erosion and sediment control (ESC) are governed by the NPDES requirements.

Measurable Goal: Every new subdivision and large scale site development is required to have an erosion and sediment control plan that is reviewed by the Village and enforced during construction.

Goal Evaluation: The BMP has proven to be successful and the necessary ESC plans, specifications, and details have been incorporated into all proposed developments within the Village. The Village continues to use this BMP with great success.

Status: Maintain

E) BMP: Construction Site Planning and Management

The Village plans to institute additional requirements on new developments by further reviewing plans and performing predevelopment site visits in order to establish potential areas of a proposed development that could remain undisturbed. These requirements would be based on a case by case scenario and would be unique to each development.

Measurable Goal: Preserving Natural Vegetation. The Village currently has green space requirements that the developer must include in the site development.

Goal Evaluation: The BMP is used to evaluate all proposed developments and allows the Village the authority to require certain aspects of the existing sites to remain undisturbed. The Village continues this practice on proposed construction sites.

Status: Maintain

F) BMP: Continue to update site planning and management requirements for future developments.

The Village currently has requirements for preserving existing greenspace in their development ordinance. The ordinance can continue to be reviewed and amended over time to include additional requirements, enhancements and buffer zones.

Measurable Goal: Preserving Natural Vegetation. The Village may enhance the current ordinance and add additional requirements to the green space requirement.

Goal Evaluation: The BMP is used to evaluate all proposed developments and allows the Village the authority to require the preservation of natural vegetation. The Village maintains the records of these requirements and evaluates yearly.

Status: Maintain

3.5 *Post-Construction Storm Water Management*

A) BMP: Make available resources for the design of structural BMPs.

Measurable Goal: A list of design guides and other resources was to be made available to the public.

Goal Evaluation: Information regarding structural BMPs has been provided to developers although an ordinance requiring their installation has not been developed nor instituted. The Village continues their attempts to find a successful means of distributing this information. They continue to work on the creation of an ordinance to ensure compliance.

Status: On-going

B) BMP: Surface Water Drainage ordinance.

Village of Hillside ordinances cover surface water drainage requirements for new subdivisions and site developments within the Village. These requirements cover storm sewer and sanitary sewer installation.

Measurable Goal: All new subdivisions and large site developments within the Village of Hillside are covered by this section. The Village of Hillside Planning Commission reviews subdivision plans and will not issue approval for construction until this requirement has been met.

Goal Measurement: The Village ordinance has proven successful and all proposed developments have met the requirements of the BMP. The Village continues to review this material to ensure it remains current with the latest requirements.

Status: Maintain

C) BMP: Develop an ordinance to encourage the use of structural BMPs.

These BMPs were to include items such as infiltration trenches, porous pavement, bioretention, grassed filter strips, etc. in new subdivisions. The Village was to revise current ordinance to allow the use of these measures in lieu of or to supplement traditional storm water collection and detention methods.

Measurable Goal: This issue was studied through the last permit cycle to determine if structural BMPs are feasible and what was most effective for the Village of Hillside.

Goal Evaluation: The Village continues to investigate new techniques and technology in hopes to identify feasible structural BMPs.

Status: On-going

D) BMP: Follow future rulemaking the IEPA is currently reviewing for post development stormwater management and the subsequent permit renewal when the current permit expires.

Measurable Goal: Future rulemaking will likely include more stringent runoff requirements for post construction stormwater runoff. The Village will follow the rulemaking and modify future permit renewals to match.

Goal Measurement: The future permit requirements will likely reduce the amount of stormwater runoff and improve water quality.

Status: On-going

E) BMP: Create a free yard waste, leaf and branch pickup program.

Measurable Goal: By picking up yard waste and disposing of it properly, it prevents dumping of yard and lawn waste into area waterways and keeps debris out of the storm sewers.

Goal Measurement: The Village recently enacted this program and have had good participation by the residents of Hillside.

Status: Maintain

F) BMP: Review street sweeping activities.

Measurable Goal: The Village will review the type and volume of material being collected during street sweeping activities. By tracking what the street

sweepers are picking up and from what parts of town, the Village can identify potential problem areas that require enforcement.

Goal Measurement: The Village continues to review the waste collect by sweepers. They appropriately address any problem found during these investigations.

Status: Maintain

3.6 *Pollution Prevention/Good Housekeeping*

- A) **BMP: Develop specific guidelines for Village of Hillside employees to follow for washing Village vehicles to reduce or eliminate runoff of wash water.**

Measurable Goal: Guidelines were developed in 2006 and implemented.

Goal Evaluation: This BMP has proven effective. The Village continues their efforts in instituting procedures that eliminate potential contaminants.

Status: Maintain

- B) **BMP: Create educational programs for Village employees on inspection of new subdivisions.**

Measurable Goal: Programs were to be developed in 2004. County personnel began more stringent inspections of new subdivisions in 2005.

Goal Evaluation: Training for instituting this BMP has been successful. The necessary personnel have been trained in regards to the requirements and inspections of new subdivisions. The Village continues to train and educate employees regarding this item.

Status: Maintain

- C) **BMP: Storage of road salt in a salt dome at the Village yard.**

Measurable Goal: Road salt will continue to be stored in the covered dome to prevent unnecessary contamination of storm water.

Goal Evaluation: This BMP continues to be utilized by the Village and contamination of storm water continues to be restricted.

Status: Maintain

- D) **BMP: Investigate alternative sources of ice control.**

Measurable Goal: The Village of Hillside Public Works Department has utilized new sources of ice control on a trial basis. New sources that are more cost effective and determined feasible will need to be found, and implemented if proven successful.

Goal Evaluation: This BMP has not proven to be successful. A feasible alternative for ice control has not been presented to the Village. The Village will continue to research this option in hopes to find an alternative.

Status: On-going

E) BMP: Municipal facilities and activities – Spill response and prevention.

Measurable Goal: The Village intends to develop and train employees on spill response, containment, and treatment. The Village also plans to assemble a team to provide response to spill within the Village.

Goal Evaluation: The Village implemented spill prevention plans and spill response training to the applicable divisions. They continue to monitor the success of the team and the training provided to its employees through specific evaluations and per each response.

Status: Maintain

F) BMP: Provide educational material to Village residents on proper fertilizer and herbicide application.

Measurable Goal: The Village intends to develop a pamphlet

Goal Evaluation: The Village has create a pamphlet regarding this item that is available at the Village Hall. They continue to monitor the effects of the pamphlet in determine its effectiveness.

Status: On-going

G) BMP: Create a dedicated dog park to isolate pet waste runoff.

Measurable Goal: The Village is currently working on developing a dedicated dog park which would centralize the dogs and ensure pet waste was picked up. The location of the dog park will also contribute to water quality if the park is located with a sufficient vegetated buffer to prevent migration of nutrients.

Goal Evaluation: The Village continues to review available properties for implementation of a dog park. Once completed, the quantity of animal waste will be contained to a managed area where self-policing of waste can be completed.

Responsible Party: Village of Hillside.

Status: On-going

H) BMP: Provide bag dispensers in Village parks for dog waste pickup.

Measurable Goal: The Village will look into adding bag dispensers in Village parks to encourage owners to pick up dog waste as they walk their dogs.

Goal Evaluation: Additional dispensers have been placed at multiple locations within the Village to encourage proper disposal. The Village continues to look for opportunities to provide additional dispensers at critical locations.

Status: On-going

4) RESULTS OF COLLECTED DATA

Any data available regarding storm water can be made available upon a separate request due to the digital format of this information and the amount, which cannot be easily attached to this report.

5) SUMMARY OF PROPOSED ACTIVITIES

The following summarizes the proposed activities that the Village of Hillside is looking to begin implementing within the next reporting timeframe. The anticipated timelines for completion are also included for each proposed activity.

A) BMP: Restoration of natural areas.

Measureable Goal: The Village is working on restoring multiple areas within the Village with native plantings. The restoration of the vegetation will provide additional pollutant reductions in these areas along with decreased runoff. The Village will monitor and maintain these areas to determine their effectiveness.

Schedule: The work is anticipated to be completed in the fall of 2015.

B) BMP: Additional Drainage Studies

Measureable Goal: Due to the recent flooding experienced by Hillside, the Village has engaged in conducting several drainage studies. The Village will review the information and ascertain if any improvements could be implemented to reduce stormwater runoff and increase natural infiltration.

Schedule: The studies are anticipated to be completed by 2017.

C) BMP: Implementation of natural greenways.

Measurable Goal: The Village has begun areas that could be adapted to become a natural greenway. The goal of this effort is to provide additional areas for storm water to be retained and infiltrated. Upon completion, the Village will monitor the amount of runoff downstream to determine the effectiveness.

Schedule: The Village hopes to construct at least of these areas by 2017.

D) BMP: Implementation of Permeable Pavers

Measureable Goal: The Village has begun the use of permeable pavers in several locations throughout the Village. The pavers will permit additional infiltration of stormwater and reduces runoff. The Village will monitor these areas to evaluate the effects of the reduced runoff against the cost of maintenance.

Schedule: The Village anticipates several areas will be constructed by 2016 that involve permeable pavers.

6) CONSTRUCTION PROJECTS COMPLETED

The following list outlines the construction projects paid for by the Village of Hillside during the reporting period.

1. Mannheim Road Architectural Monuments
2. Mannheim Road Decorative Bridge Railing
3. Mannheim Road Streetscape Landscaping
4. Street Resurfacing Program