

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

EXHIBIT C

Website address: <http://www.epa.state.il.us/water/permits/storm-water/forms/annual-facility-inspection-ms4.pdf>

Complete each section of this report.

REPORTING PERIOD FROM: MARCH, 2019	TO: MARCH 2020	ILR40
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MS4 OPERATOR INFORMATION: (As it appears on the current permit)

NAME: Village of Hillside		TELEPHONE NUMBER: 708-202-3452	
MAILING ADDRESS: 425 Hillside Avenue			
CITY: Hillside	STATE: IL	ZIP: 60162	COUNTY: COOK
CONTACT PERSON: (Person responsible for Annual Report) Joseph Pisano, Director of Public Works			

NAME(S) OF GOVERNMENTAL ENTITY(IES) IN WHICH MS4 IS LOCATED: (As it appears on the current permit)

Cook County	

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 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.

SIGNATURE: 	DATE: 7/1/2020
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Please submit inspection reports to:

Illinois Environmental Protection Agency, DWPC
Compliance Assurance Section
1021 North Grand Avenue East, POB 19276
Springfield, Illinois 62794-9276

Attachment B – 2019 Yearly MS4 BMP Evaluation

Public Education and Outreach

Existing BMPs

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

Measurable Goal: Information for a website was to be developed during 2003 and 2004.

Goal Evaluation: The Village added the stormwater management section in 2009.

Responsible Party: Village of Hillside and Department of Public Works.

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.

Responsible Party: Village of Hillside and West Cook County Solid Waste Agency.

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.

Responsible Party: Village of Hillside Water Department

BMP: Provide Educational Material to Area Schools.

The Village continues to look for ways 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.

Responsible Party: Village of Hillside

BMP: Develop Stormwater Educational Material for Restaurant Owners.

The Village continues to look for ways 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.

Responsible Party: Village of Hillside

Proposed BMPs

BMP: Distribute effective pollution measures and green infrastructure strategies to homeowners

Provide information pamphlets to new and existing residents about the following topics: storage and disposal of fuels, oils, and similar materials, use of soaps, solvents or detergents in outdoor cleaning, paint and related décor, lawn and garden care, and winter deicing material storage and use.

Measurable Goal: Provide a package of information about effective pollution prevention and green infrastructure strategies to new residents. In addition, current residents can find this information at the Village Hall and posted on the Village website.

Goal Evaluation: New and existing residents are made aware of pollution prevention and green infrastructure and how to implement the ideas.

Responsible Party: Village of Hillside

Status: Ongoing

Public Involvement/Participation

Existing BMPs

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.

Responsible Party: Village of Hillside Planning Commission.

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.

Responsible Party: West Cook County Solid Waste Agency

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.

Responsible Party: West Cook County Solid Waste Agency

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: Due to the costs of this program, the Village is currently continuing this program when it’s feasible and when an opportunity presents itself.

Responsible Party: Village of Hillside

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.

Responsible Party: Village of Hillside

Proposed BMPs

BMP: Open one of the regular board meetings up for public opinion on the MS4 program and environmental justice concerns

Measurable Goal: Allow the public to speak for a set amount of time with any ideas or concerns they have about the MS4 program or environmental justices in the community.

Goal Evaluation: This should give an indication about how the community feels about the MS4 program and if they have any major concerns with it. Also, this will show how much public interest there is in any of the new programs.

Responsible Party: Village of Hillside

Status: Ongoing

Illicit Discharge Detection and Elimination

Existing BMPs

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.

Goal Evaluation: A storm drainage system map has been created and maintained for the past several years. This has proved to be beneficial for tracking contaminants and unregulated discharges.

Responsible Party: Village of Hillside.

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 whenever an opportunity presents itself.

Responsible Party: Village of Hillside

Other Programs

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.

Responsible Party: Village of Hillside.

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.

Responsible Party: Cook County Public Health Department.

Proposed BMPs

BMP: Create and continually update a storm drain GIS system map

Measurable Goal: 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: The Village continues to explore and incorporate the use of GIS for the storm drain 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.

Responsible Party: Village of Hillside

Status: Ongoing

Construction Site Storm Water Runoff Control

Existing BMPs

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.

Responsible Party: Village of Hillside Public Works and Building Services Department.

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.

Responsible Party: Village of Hillside Public Works and Building Services Department.

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

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 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 a SWPPP or an abbreviated form of a 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.

Responsible Party: Village of Hillside Public Works and Building Services Department

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 will maintain the records of these requirements and evaluate its success yearly.

Responsible Party: Village of Hillside Planning Commission

Other Programs

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 a 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.

Responsible Party: Village of Hillside Planning Commission

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.

Responsible Party: Village of Hillside Planning Commission.

BMPs

BMP: Develop an ordinance for construction site operators to control or prohibit non-storm water discharges

Measurable Goal: The Village can develop an ordinance and refine the requirements over the next few years.

Goal Evaluation: This BMP will be used to make construction site operators more aware and careful with any non-storm water discharges. The Village can observe how many violations occur each year to see if any improvements are occurring.

Responsible Party: Village of Hillside

Status: Ongoing

Post-Construction Storm Water Management

Existing BMPs

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 in 2005. Notice of this list will be mailed to area developers and engineers.

Goal Evaluation: Information regarding structural BMPs has been provided upon request of developers. The Village has also openly made this information available to the public on their website.

Responsible Party: Village of Hillside Public Works and Building Services Department.

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.

Responsible Party: Village of Hillside Public Works and Building Services Department.

BMP: Follow future rulemaking the IEPA is currently reviewing for post development stormwater management and the subsequent permit renewal when the current permit expires in March of 2014.

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.

Responsible Party: Village of Hillside Planning Commission

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.

Responsible Party: Village of Hillside

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.

Responsible Party: Village of Hillside

Other Programs

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.

Responsible Party: Village of Hillside Planning Commission

BMP: Restoration of natural areas

Measurable 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.

Goal Evaluation: Several areas including the Illinois Prairie Path, Mannheim Road, and Oak Ridge Avenue have been restored with natural vegetation. The Village continues to look for additional areas where restoration would be appropriate.

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.

Goal Evaluation: Currently, Mannheim Road streetscape project implementation and construction is underway in order to provide additional greenways. Also, the Village will continue to look for more opportunities to construct additional natural greenways.

BMP: Implementation of Permeable Pavers

Measurable 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.

Goal Evaluation: The Village continues to look for appropriate areas to implement permeable pavers.

Proposed BMPs**BMP: Annual training for all MS4 employees and all contractors**

Measurable Goal: The Village will develop and annually train all MS4 employees and contractors who manage or are directly involved in the routine maintenance, repair, or replacement of public surfaces in current green infrastructure or low impact design techniques applicable to such projects.

Goal Evaluation: The Village will monitor the success of the team and the training provided to its employees through specific evaluations and per each response.

Responsible Party: Village of Hillside

Status: Ongoing

Pollution Prevention/Good Housekeeping***Existing BMPs***

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.

Responsible Party: Village of Hillside Public Works and Building Services Department.

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.

Responsible Party: Village of Hillside Public Works and Building Services Department.

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 created a pamphlet regarding this item that is available at the Village Hall. They continue to monitor the effects of the pamphlet in order to determine its effectiveness.

Responsible Party: Village of Hillside.

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: This BMP did not prove to be successful. The Village was unable to locate a proper area to implement a dog park and achieve the desired goal.

Responsible Party: Village of Hillside.

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 critical locations within the Village to encourage proper disposal. The Village has noticed a significant reduction in animal waste has occurred.

Responsible Party: Village of Hillside.

Other Programs

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.

Responsible Party: Village of Hillside Public Works Department.

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. Any feasible alternatives for ice control that have been presented to the Village are way too expensive to implement. The Village continues to research this in order to find a better alternative or to find ways to reduce the costs of implementation.

Responsible Party: Village of Hillside Public Works Department.

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.

Responsible Party: Village of Hillside Public Works Department.

BMP: Additional Drainage Studies

Measurable 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.

Goal Evaluation: The Village has completed the drainage studies which have proven to be beneficial in reducing inflow into the Village drainage systems.

Proposed BMPs

BMP: Annual training to refresh municipal staff and contractors on preventing and reducing discharge of pollutants and storm water pollution

Measurable Goal: The Village will develop and annually train all municipal staff and contractors on preventing and reducing storm water pollution as well as including how flood management projects impact water quality, non-point source pollution control, green infrastructure controls, and aquatic habitat. This training will be accomplished using training materials that are available from USEPA, the State of Illinois, or other organizations.

Goal Evaluation: The Village will monitor the success of the team and the training provided to its employees through specific evaluations and per each response.

Responsible Party: Village of Hillside

Status: Ongoing

Attachment C – Not Applicable

Attachment D – Proposed Activities

1. Annual Storm Sewer Cleaning (2020)
2. Washington Street Sewer & Storm Improvements (2021)

Attachment E – Not Applicable

Attachment F – Construction Projects

1. Buckthorn Sewer Lining Project