



# Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • 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, 2019 \_\_\_\_\_ To March, 2020 \_\_\_\_\_

Permit No. ILR40 0167

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

Name: Village of Broadview

Mailing Address: 2350 S. 25th Ave.

County: Cook

City: Broadview State: IL Zip: 60155 Telephone: 708-681-3600

Contact Person: Mr. Matthew Ames Email Address: \_\_\_\_\_  
(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 Broadview

#### 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.

**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))**

Mr. Matthew Ames  
Owner Signature:

6/4/2020  
Date:

Mr. Matthew Ames  
Printed Name:

Director of Public Works  
Title:

EMAIL COMPLETED FORM TO: [epa.ms4annualinsp@illinois.gov](mailto: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

**SECTION A.  
 CHANGES TO BEST MANAGEMENT PRACTICES**

X Indicates BMPs performed as proposed

√ Indicates changes to BMPs

Year 6		Year 6	
	<b>A. Public Education and Outreach</b>		<b>D. Construction Site Runoff Control</b>
X	A.1 Distributed Paper Material	X	D.1 Regulatory Control Program
	A.2 Speaking Engagement	X	D.2 Erosion and Sediment Control BMPs
	A.3 Public Service Announcement	X	D.3 Other Waste Control Program
	A.4 Community Event	X	D.4 Site Plan Review Procedures
	A.5 Classroom Education Material	X	D.5 Public Information Handling Procedures
X	A.6 Other Public Education	X	D.6 Site Inspection/Enforcement Procedures
			D.7 Other Construction Site Runoff Controls
	<b>B. Public Participation/Involvement</b>		
	B.1 Public Panel		<b>E. Post-Construction Runoff Control</b>
	B.2 Educational Volunteer	X	E.1 Community Control Strategy
	B.3 Stakeholder Meeting	X	E.2 Regulatory Control Program
X	B.4 Public Hearing	X	E.3 Long Term O&M Procedures
X	B.5 Volunteer Monitoring		E.4 Pre-Const Review of BMP Designs
	B.6 Program Coordination		E.5 Site Inspections During Construction
X	B.7 Other Public Involvement	X	E.6 Post-Construction Inspections
			E.7 Other Post-Const Runoff Controls
	<b>C. Illicit Discharge Detection and Elimination</b>		
X	C.1 Storm Sewer Map Preparation		<b>F. Pollution Prevention/Good Housekeeping</b>
X	C.2 Regulatory Control Program	X	F.1 Employee Training Program
	C.3 Detection/Elimination Prioritization Plan	X	F.2 Inspection and Maintenance Program
	C.4 Illicit Discharge Tracing Procedures	X	F.3 Municipal Operations Storm Water Control
	C.5 Illicit Source Removal Procedures		F.4 Municipal Operations Waste Disposal
	C.6 Program Evaluation and Assessment		F.5 Flood Management/Assess Guidelines
X	C.7 Visual Dry Weather Screening	X	F.6 Other Municipal Operations Controls
	C.8 Pollutant Field Testing		
X	C.9 Public Notification		
X	C.10 Other Illicit Discharge Controls		

## **SECTION B. STATUS OF COMPLIANCE WITH PERMIT CONDITIONS**

The status of BMPs and measurable goals from Year 6 are described below in the following categories (A-F):

### **A: PUBLIC EDUCATION AND OUTREACH**

#### **A.1: Distributed Paper Material**

The Goal for this program is to increase the awareness to impacts of stormwater discharges on water bodies and the actions the public can take to reduce discharge of pollutants, as well as discharge overall.

Goal for Year 6: Include further information in the newsletter regarding green infrastructure strategies.

Status: This reporting period, no articles were included in the newsletter. Articles discussing the benefits of green infrastructure are scheduled to be featured in upcoming quarterly newsletters. The newsletter is mailed to all 8,500 residents and is also available on the Village's website. Additional green infrastructure strategies are being researched and will be included in future publications. The intent is to reach out to all residents of all ages. Copies of the newsletter are kept on file.

#### **A.6: Other Public Education**

The Goal for this program is to increase the awareness of impacts of stormwater discharges on water bodies and the actions the public can take to reduce discharge of pollutants as well as discharge overall.

Goal for Year 6: Continue website and modify as needed.

Status: The Village has improved the website over this reporting period. The public works page has incorporated a section entitled Drainage Information which contains pertinent information regarding storm water.

Furthermore, the Village website continued to include information regarding street sweeping, yard waste disposal, and garbage pick-up as it has done in years past. The website is maintained by the Director of Public Works. The intention is to reach out to all residents of all ages.

### **B: PUBLIC PARTICIPATION/INVOLVEMENT**

#### **B.3: Stakeholder Meeting**

The Goal for this program is to facilitate resident participation and involvement, thereby increasing resident empowerment and responsibility. Through this partnership, the residents can be utilized as a resource in the Storm Water Program.

Goal for Year 6: No milestone goal established.

Status: The Village did not have any stakeholder meetings specifically targeting storm water programs over the last reporting period. However, Village board meetings provide an open platform for public comments regarding storm water issues and are held twice monthly. Residents are encouraged to voice their opinions at the meetings, and a common topic of discussion is the local roadway and drainage projects in town. The Village is currently looking into potential avenues for additional stakeholder meetings.

#### **B.5: Volunteer Monitoring**

The Goal for this program is to facilitate resident participation and involvement, thereby increasing resident empowerment and responsibility. Through this partnership, the residents can be utilized as a resource in the Storm Water Program.

Goal for Year 6: Continue volunteer based annual clean-up program.

Status: The Community Garden Program was created in 2011 through a Model Community Grant. To date, 30 garden plots have been constructed. 5 are in use at the Beverly Center, and 25 are in use at the Schroeder location. The program has been found to be quite popular amongst residents, and the Village is looking to accommodate the demand. The community gardens program is essential components in helping families and individuals save money, have access to affordable and nutritious food, and learn valuable skills.

### **B.7 Other Public Involvement**

The Goal for this program is to facilitate resident participation and involvement, thereby increasing resident empowerment and responsibility. Through this partnership, the residents can be utilized as a resource in the Storm Water Program.

Goal for Year 6: Continue volunteer stenciling program.

Status: All newly installed lids on Capital Improvement Projects (approximately 5) contained the labeling, “No Dumping, Drains to Waterways”. This has been determined to be the most feasible method of providing identification to storm sewers and will fulfill the intention of the stencil program while minimizing the cost.

Additional clean-up work was performed through the Sheriff’s Work Alternate Program (SWAP), a program directed by Cook County. The Village of Broadview has a partnership with Cook County and utilizes this program on a monthly basis for 2 days a month, within Village boundaries. Relevant work to improve the storm sewer system includes parkway cleaning of trash and debris as well as curb cleaning of similar nature.

The Village holds an annual clean-up. This is a day where residents are allowed an unlimited amount of disposal of household and construction debris such as furniture, fixture and carpeting. Notice of the clean-up day is placed in the newsletter and on the Village website.

## **C: ILLICIT DISCHARGE DETECTION AND ELIMINATION**

### **C.1: Storm Sewer Map Preparation**

The Goal for this program is to develop a map of storm sewers and their outfalls.

Goal for Year 6: Continue to update atlas with as-built information.

Status: The Storm Sewer map is continually updated each construction season by Hancock Engineering. Any additional outfalls or revisions to existing outfalls are added to the map.

### **C.2: Illicit Discharge and Dumping Ordinances**

The Goal for this program is to reduce and eliminate all illicit discharges and illegal dumping into the storm sewer system.

Goal for Year 6: Coordinate Village ordinance with proposed updated Cook County (WMO).

Status: The Illicit Discharge and Illegal Dumping Ordinance was reviewed and resulted in no recommended updates at this time.

The Cook County Watershed Management Ordinance (WMO) was officially adopted by the MWRD during a recent reporting period with an implementation date of May 1, 2014. Developments will now be reviewed in context with this new ordinance as well as the Village’s existing requirements. The more restrictive of the requirements will be applied to developments.

### **C.7: Visual Dry Weather Screening**

The Goal for this program is to determine the amount of illegal discharges which are occurring within the Village.



Goal for Year 6: Inspect and document all storm sewer outfalls.

Status: Outfalls were inspected periodically on an as needed basis. Zero illegal discharges were observed, fish kills, color changes, or detection of any unknown substances. An inspection form has been created to document the inspections for the next reporting period. The outfalls will be inspected on a quarterly basis at a minimum. The Village inventory includes 150 industrial facilities and 300 commercial facilities. No violations were reported or found at these locations.

#### **C.9: Public Notification**

The Goal for this program is to make the public aware of the penalties for illegal discharge and discourage illegal discharge.

Goal for Year 6: Continue updates.

Status: At least one of the quarterly newsletters typically addresses this matter. This will be addressed in the next reporting period.

#### **C.10: Other Discharge Controls**

The Goal for this program is to ultimately reduce and eliminate all illicit discharges and illegal dumping into the storm sewer system.

Goal for Year 6: Continue all programs.

Status: The Village of Broadview has maintained its membership in the West Cook County Solid Waste Agency (WCCSWA). The WCCSWA offers many beneficial recycling programs to its members, with no direct costs to the residents. The entire program including other member communities has yielded over 230,000 lbs. of electronic waste. The Village was able to provide drop-off locations at the Public Works Department, Fire Department, Beverly Center, and Schroeder Park in a joint venture with Vintage Tech Recyclers, Inc., as well as the WCCSWA.

Additionally, another opportunity to properly dispose of electronics is held at local area community college, Triton College twice yearly. The WCCSWA hosts an Annual National Prescription Drug Take Back Day. The last event held in October of 2019 The Take Back event brought in 882,919 pounds (Almost 442 Tons) of unused or expired prescription medications and vape devices. This brings the total amount of prescription drugs collected by the DEA since the fall of 2010 to nearly 12.7 million pounds. In the past, an annual Household Hazardous Waste event was held, which received over 3,000 vehicles who deposited waste. Unfortunately, due to funding cutbacks, the County has no longer been able to provide funding for this program. We look forward to the reinstatement of this program. In the meantime, a long-term Hazardous Waste collection program is available in Naperville for the surrounding areas.

### **D: CONSTRUCTION SITE RUNOFF CONTROL**

#### **D.1: Regulatory Control Program**

The Goal for this program is to submit erosion and sediment control plans for all developments greater than or equal to one acre in size to the IEPA.

Goal for Year 6: Continue program.

Status: Development plans that require a NOI for Construction Activities under NPDES permit No. ILR10 are identified by the Village Engineer as part of the site plan review process. The erosion and sediment control plans are reviewed by the Building Department and/or Hancock Engineering during the site plan review process. For Federally funded projects or projects involving IDOT, a Stormwater Pollution Prevention Plan is also required for developments of this size and the Contractor is also required to sign the Contractor's Certification Statement (IDOT BDE 2342), of which he will then assume the responsibility and release the Village from liability. During this reporting period, three (3) development plans were reviewed, all of which were below 1 acre in size,

thereby exempt from the requirements listed above. However, the plans are still reviewed with respect to erosion and sediment control measures. The Village and Hancock Engineering provide the applicable requirements to the developer.

Furthermore, within the erosion and sediment control plans, the type of inlet filters required on construction projects has been revised to reflect the recent update to the Illinois Urban Manual. The use of hay bales is considered obsolete, and the new method of reusable sediment trap filters is more effective and efficient. Hancock Engineering attended a detailed presentation on this matter by the Kane-Dupage Soil and Water Conservation District. The presentation provided further information regarding Green Infrastructure storm water management techniques. The use of the new inlet filters is considered to be a Green method. We look forward to including additional Green methods in the upcoming reporting periods.

#### **D.2.: Erosion and Sediment Control BMPs**

The Goal for this program is to investigate and inspect the erosion and sediment control measures in public projects as part of developments greater than 1.0 acre.

Goal for Year 6: Continue program.

Status: This reporting period, 3 Public Projects and 3 Private Projects were inspected by the building department or Hancock Engineering with respect to erosion and sediment control measures. The Public Projects are listed in section F of this report. All Projects were found to be in compliance. For Public Projects, typically Hancock Engineering provides construction site inspection. Hancock Engineering attended an NPDES Compliance seminar led by Certified Professional Erosion and Soil Control (CPESC) speakers, in order to learn further about erosion and sediment control measures. Additionally, Hancock Engineering added a Designated Erosion Control Inspector (DECI) to staff, in an effort to improve erosion and sediment control inspection practices.

#### **D.3: Other Waste Control Program**

The Goal for this program is to ensure excavated materials are inspected, classified, and then delivered to the appropriate dumping facility based on the determined classification of waste.

Goal for Year 6: Continue program.

Status: Effective August 2010, the IEPA has placed more stringent requirements regarding the excavation of soils from construction sites. In order for the Contractor to utilize Clean Construction and Demolition Debris (CCDD) landfills, the excavated material must be certified and tested by a Licensed Professional Engineer, as stated in EPA Form LPC 663. Furthermore, the IEPA is required to be notified by the landfill whenever material is delivered and discovered to not be acceptable CCDD fill and thereby rejected from the landfill. This process, including the established penalties in place, help ensure that the materials will then be delivered to an appropriate facility.

#### **D.5: Public Information Handling Procedures**

The Goal for this program is to track the number of complaints received and processed related to soil erosion and sediment control.

Goal for Year 6: Continue and review the specific complaints.

Status: The Village currently keeps record of all the public works directed complaints. The department is attempting to assemble a filing system to better categorize the complaints. Once this system is implemented, the specific complaints to erosion and sediment control can be reviewed and the input provided can be of value. The amount of complaints can then be tallied as well. At this time the form has been created and is ready for use. There were no complaints received during the past reporting period directly with regard to erosion control. Typically, if complaints do arise, they are received due to clogged storm sewer laterals, which turned out to be a result of excessive leaves in the system, not from erosion control methods.

#### **D.6: Site Inspection/Enforcement Procedures**

The Goal for this program is to ensure 100% of all private construction sites are inspected for 100% of the required erosion and sediment control BMPs.

Goal for Year 6: Continue program.

Status: Typically the Building Department is responsible for inspecting private projects in the Grading Phase, Building Phase, and for a Final Inspection. No violations or enforcement actions have been reported. A total of 3 private development was constructed this reporting period. A Certificate of Occupancy will not be granted unless the inspection is approved. All sites were approved without incident.

#### **E: POST-CONSTRUCTION RUNOFF CONTROL**

##### **E.1: Community Control Strategy**

The Goal for this program is to reach out to the community as a means of reducing sources of post-construction control.

Goal for Year 6: Continue program.

Status: The MWRD free rain barrel program ended in 2017 and the Village will continue to pursue various rain barrel purchasing options as they become available. An active pursuit of the programs is necessary as they are often only offered for a limited time. The Village still offers rain barrels to residents for a small cost.

##### **E.2: Regulatory Control Program**

The Goal for this program is to enforce the Cook County Watershed Management Ordinance (WMO) and adopt any amendments.

Goal for Year 6: Continue enforcement of WMO.

Status: The WMO became effective within the previous reporting period, with an implementation date of May 1, 2014. The WMO contain restrictions on the quality and quantity of water to be permitted to be discharged from developed sites.

##### **E.3: Long Term O&M Procedures**

The Goal for this program is to include Green measures in future developments.

Goal for Year 6: Continue implementation of Green construction as budget allows.

Status: The Village has applied for funding through the Cook County Development Grant Program that would utilize green construction practices to reduce stormwater runoff and pollutants.

The MWRD has designed streambank improvements for Addison Creek. The stabilization of the streambank will result in the reduction of long-term maintenance along the creek and improve the quality of the waterway.

The village has continued its green program with the design and construction of two “Green Alleys” within the Village. The Green Alleys utilize permeable interlocking concrete pavers (PICP) to infiltrate storm water and capture pollutants. This feature reduces the amount of storm water entering an already overwhelmed combined sewer system. The cost of this project was approximately \$240,000 in total, with the aid of CDBG funding. The program has been considered a success, as the Village is planning to install five more Green Alleys in 2020. The new design incorporated by Hancock Engineering has been successful to date and will continue to evolve in sequence with the permeable paver industry.

### **E.6: Post Construction Inspection**

The Goal for this program is to inspect construction sites periodically after final acceptance, to ensure that all BMPs contained in the plans are maintained in place. This will also entail Green construction methods in future developments.

Goal for Year 6: Inspect 50% of all sites on an annual basis, ensure that stormwater BMPs are working appropriately.

Status: The Village should inspect 50% of sites on an annual basis. This will be implemented in upcoming reporting periods. The Village would like to inspect the various aspects of storm water improvements and Green construction wherever within the Village jurisdiction, which were called for in the original construction plans. Currently, the Building Department has been performing Post Construction Inspection wherever complaints have been presented or an observed issue was noted. As a preventative measure, the Village should inspect sites which are not initially deemed to be a problem.

## **F: POLLUTION PREVENTION/GOOD HOUSEKEEPING**

### **F.1: Employee Training Program**

The Goal of this program is to identify current practices that contribute to stormwater pollution and implement programs and procedures for Public Works activities that reduce and eliminate the discharge of pollutants into storm sewer systems.

Goal for Year 6: Continue training program as well as incorporate Green/Sustainability education.

Status: Employees receive training when budget constraints allow for such. Public Works employees receive training to operate the equipment with respect to their own safety as well as in the safest manner possible for the environment. It is acknowledged that adequate training will reduce the discharge of pollutants into the Village sewer system.

### **F.2: Inspection and Maintenance Program**

The Goal of this program is to directly reduce the amount of debris from entering storm sewer structures and entering the storm sewers.

Goal for Year 6: Continue street sweeping program and sewer cleaning/structure cleaning program.

Status: The Street sweeping schedule and information are posted on the website. The information is listed as follows:

“Street sweeping operations run between spring and fall. The Village is swept in sections on a rotating basis, during both day and night hours. In residential sections of the Village with few side drives, most sweeping is done at night when autos are off the street (in accordance with Village parking ordinances).

Residents are asked to occasionally "clean sweep" the gutters in front of their properties, resulting in cleaner streets and prevents the clogging of sewers.

### **Street Sweeping Schedule**

Zone 1: (North of Roosevelt Road to Eisenhower Expressway, East of 17th Avenue to 13th Avenue)— Thursday nights; also Roosevelt Road and off-street parking north and south of Roosevelt Road

Zone 2: (North of Roosevelt Road to Harvard Street, East of 25th Avenue to 17th Avenue)—Thursday nights; also Roosevelt Road and off-street parking north and south of Roosevelt Road

Zone 3: (North of railroad tracks to Roosevelt Road, East of 17th Avenue and 9th Avenue)—Mondays



Zone 4: (North of railroad tracks to Roosevelt Road, east of 25th Avenue to 17th Avenue)—Tuesdays

Zone 5: (North of Cermak Road to Railroad tracks, east of 17th Avenue to 9th Avenue)—Wednesdays

Zone 5A: (North of Terry Lane West to Cermak Road, east of 25th Avenue to Terry Lane)—Wednesdays

Zone 6-1: (North of 23rd Place to Cermak Road, East of Gardner Road to 25th Avenue)—Wednesday nights

Zone 6-2: (North of Cermak Road to railroad tracks, east of Gardner Road to 17th Avenue)—Wednesday nights

Zone 6-3: (North of railroad tracks to Indian Joe Drive, east of Gardner Road to 25th Avenue)—Wednesday nights

All Alleys North and South of Roosevelt Road: Last Thursday of every month

Due to night sweeping on Thursday, no sweeping will be done on Friday. Friday will be reserved for sweeper maintenance. Broadview sweeps 21.5 miles of Broadview streets and 4.62 miles of state highway for a total of 26.12 miles times 2 (curbing) for a grand total of 52.24 miles.

Large scale sewer cleaning work is typically performed by contractor on a bi-annual basis. The most recent round of sewer cleaning was performed this reporting period, which included a quantity of 10,000'. Other intermittent sewer cleaning was performed on an as-needed basis.

### **F.3: Municipal Operations Storm Water Control**

The Goal of this program is to directly reduce the amount of contaminants entering the storm sewer system, as a result of municipal operations.

Goal for Year 6: Continue modified program.

The Village of Broadview constructed a new salt storage facility on the site of its elevated tank. It was completed in November of 2014. The capacity is 1,800 tons. The salt is kept on a concrete pad and covered on top. The application of the salt to streets has been kept at a minimum, using only what is necessary to ensure safety for vehicles and pedestrians. Approximately 1,000 Ton was placed this reporting period. The Village is currently utilizing the additive "Geomelt." The additive "Geomelt" reduces the amount of salt necessary in order to obtain a desired temperature or reduction of ice. This in turn reduces the amount of salt that enters the waterways.

The Village of Broadview also has a schedule of frequent maintenance on its fleet of Village vehicles by providing a weekly vehicle inspection to reduce the unnecessary discharge of automotive fluids. The Village is reviewing a record keeping system.

Triple Basins in garage areas are continuously inspected and cleaned on a regular basis. The maintenance yard is inspected throughout the year. 0 gallons of herbicides and pesticides were applied to the Right-of-Way.

### **Assessment of Appropriateness of Identified BMPs (and Progress Towards a Reduction in Pollutants Discharged)**

The BMPs listed below provided pertinent results with regard to their effectiveness in meeting their measurable goals and reducing pollutant discharge, within this reporting period. All other BMPs which are omitted either did not provide an affirmative result this period (either positive or negative) or need more time to be observed in order to fairly judge their effectiveness. An in-depth analysis of all BMPs is scheduled for the end of the 5-year period.

**A.1 Distributed Paper Material** Resident input regarding the newsletters is taken into account, when received. It is difficult to attribute a decrease in pollutants directly to the newsletters, so the most appropriate way to determine the effectiveness of a newsletter article is from Resident input at Village Hall.

**B.5 Volunteer Monitoring** An unintended, positive result of trash removal was Public Education. In addition to the reduction of pollutants, many residents were able to become more knowledgeable about the Stormwater System and pass this information along to their neighbors. This can be incorporated in the future as an Outreach Strategy.

**B.7 Other Public Involvement** Public Works employees and Village officials reported that an increase in resident discussion occurred regarding the lids. This supports the fact that stormwater awareness is on the rise, which leads to the ultimate goal of increasing resident involvement. The strategy is to incorporate as many residents as possible.

**C.7 Dry Weather Screening** The goal of the Illicit Discharge Detection and Elimination category is to reduce and eliminate all illegal discharges. There have been nearly zero illicit discharges reported or prosecuted in the Village. This may or may not be attributed to the effectiveness of the storm water program. In order to support this fact that the program is successful and to increase confidence that no illegal discharges actually occurred, further inspection should be performed. It is anticipated that most of the additional inspection will be performed by residents who have gained a greater awareness of the storm sewer system. They in turn will communicate directly and indirectly with Village staff. Village staff should also increase the amount of inspections, when possible. This relationship between the program and the amount of illegal discharges will be evaluated in depth at the end of the 5-year period.

**C.10 Other Discharge Controls** The goal of this BMP category is a reduction of contaminants. It is unknown whether the reduction would take place primarily at a landfill, within Village boundaries, or a location within transit. The primary source-point needs to be investigated further in order to effectively gauge the program. The electronics recycling is assumed to reduce the amount of mercury. At this time, the Village does not have funding to perform mercury detection tests as a program gauge but try to obtain data from other testing entities.

**D.1 Regulatory Control Program** The goal of this BMP category is to reach 100% compliance for NOI submittal of development projects that are 1.0 acre or greater. Unfortunately, with the economic downturn there are not many developments being planned. Also, due to the urban nature of the Village, most developments are on property that is less than 1.0 acre in size.

However, when this BMP is indeed applicable, we believe it will be quite effective by placing the responsibility on the Contractor (Contractor's Certification Statement) and should decrease the amount of erosion control/pollutant discharge deficiencies. The amount of penalties given to Contractors, if any, will be tabulated and evaluated at the end of the 5-year period, with the assumption of a decrease.

### **D.5 Public Information Handling Procedures**

This BMP will require several years of data collection in order to establish a benchmark. At that time, this BMP will be useful in order to evaluate the Construction Site Runoff Control category. The input from residents can be reviewed to determine if positive and beneficial changes can be made to the program. Also, the amount of

complaints received will be analyzed. Ideally, a correlation between the increase/decrease of the amount of complaints and the effectiveness of the program, will be able to be observed.

**E.1: Community Control Strategy**

This BMP will be analyzed in future reporting periods with respect to volume of contamination, which is mitigated, as well as the quantity of pollutants removed from the storm sewer system.

**E.3: Long Term O&M Procedures**

An apparent challenge for this BMP is being able to apply the Green Infrastructure strategies to an already developed urban area. The majority of foreseeable Green improvements would come by way of “retro-fit”, as opposed to the ease of installation in a new development. Some of the retro-fit options we have been identified at this point are permeable pavers, tree-box biofilters, stand alone biofilters, rain gardens, rain barrels, and bioswales. At this point, the costs need to be fully evaluated, as well as an implementation schedule and associated requirements. The aesthetic concerns of a retro-fit are also to be reviewed. Another challenge is that when using a new technology, unfortunately there is a risk involved. Therefore, other pilot programs and case studies in the area need to be reviewed, while drawing as much pertinent data from them as possible.

**E.6: Post Construction Inspection**

This BMP will include strict inspection of Green construction methods in upcoming reporting cycles. Currently, Hancock Engineering is sharing basic information with the Village regarding Green methods. Over time, the Village inspectors should become more knowledgeable and experienced in this type of inspection. Another desired outcome of Post Construction Inspection is that word will spread amongst property owners to keep their storm systems working as designed, because the Village will perform future inspections.

**F.1: Employee Training Program**

Employee training is a key component to the success of the MS4 program. By educating the Village Staff on current practices that reduce and eliminate the discharge of pollutants into storm sewer systems allows the employees to perform these activities in a more effective manner.

**F.2: Inspection and Maintenance Program**

Street sweeping not only reduces the amount of debris that enters storm sewer structures and sewers, it also enhances the look of the community. This combined with the sewer televising and cleaning program helps the Village identify areas that require maintenance and repair, thus keeping the sewer system operable and addressing issues before they become more costly.

**F.3: Municipal Operations Storm Water Control**

By taking measures to properly store and protect the salt supply, the Village is able to reduce unnecessary runoff into the storm sewer. The maintenance of the Village vehicles also helps reduce automotive fluid leaks which in turn keeps these pollutants out of the storm sewer system.

### **SECTION C. INFORMATION AND DATA COLLECTION**

The Village relies on rain gauge information taken from the nearest rain gauge of the MWRD. The MWRD Rain Gauge No. 5 is located in nearby Cicero, IL. The rain gauge data is provided on the MWRD website at <http://www.mwrdd.org/irj/portal/anonymous/overview> and can be reviewed by clicking on the link entitled “Rain Data History.”

### **SECTION D. NEXT REPORTING CYCLE - SUMMARY OF ACTIVITIES TO BE UNDERTAKEN**

The Village of Broadview intends to pursue the milestones outlined for Year 5 in the 2014 Notice of Intent (NOI) Permit Renewal, with the exception of those discussed in “Assessment of Appropriateness of Identified BMPs (and Progress Towards a Reduction in Pollutants Discharged)”, which are to be revised as such.

### **SECTION E. NOTICE OF RELIANCE UPON OTHER GOVERNMENTAL ENTITIES**

The Village of Broadview relied upon the implementation of the Cook County Watershed Management Ordinance (WMO). The District’s Board of Commissioners adopted the Watershed Management Ordinance (WMO) on October 3, 2013, which became effective on May 1, 2014. The WMO addresses many of the MS4 Permitting BMP requirements. Any BMPs which are relied upon from the WMO will be discussed in future reporting.

The Village relies upon the MWRD with respect to Water Quality Monitoring including Total Maximum Daily Load (TMDL) and Pollutant Management. The MWRD provides monitoring data reports regarding the quality of local waterways throughout Cook County including nearby Salt Creek and Des Plaines River. The reports for each monitoring station are generated monthly and may be found at:

<http://www.mwrdd.org/irj/portal/anonymous/WQM>

Hard copies of the data are also submitted directly to the IEPA annually, to the attention of Alan Keller of the Permit Section.

The Village of Broadview did not rely on any other government entities to satisfy any of the permit obligations during this time period.

