

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

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, 2009	TO: MARCH 2010	ILR40
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MS4 OPERATOR INFORMATION: (As it appears on the current permit)

NAME: Village of Downers Grove		TELEPHONE NUMBER: 630-434-5460	
MAILING ADDRESS: 801 Burlington Avenue			
CITY: Downers Grove	STATE: IL	ZIP: 60515	COUNTY: DuPage
CONTACT PERSON: (Person responsible for Annual Report) Michael D. Millette, P.E.			

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

Village of Downers Grove	Unincorporated DuPage 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 checked="" type="checkbox"/>	4. Construction Site Runoff Control	<input checked="" type="checkbox"/>
2. Public Participation/Involvement	<input checked="" type="checkbox"/>	5. Post-Construction Runoff Control	<input checked="" type="checkbox"/>
3. Illicit Discharge Detection & Elimination	<input checked="" type="checkbox"/>	6. Pollution Prevention/Good Housekeeping	<input checked="" 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).

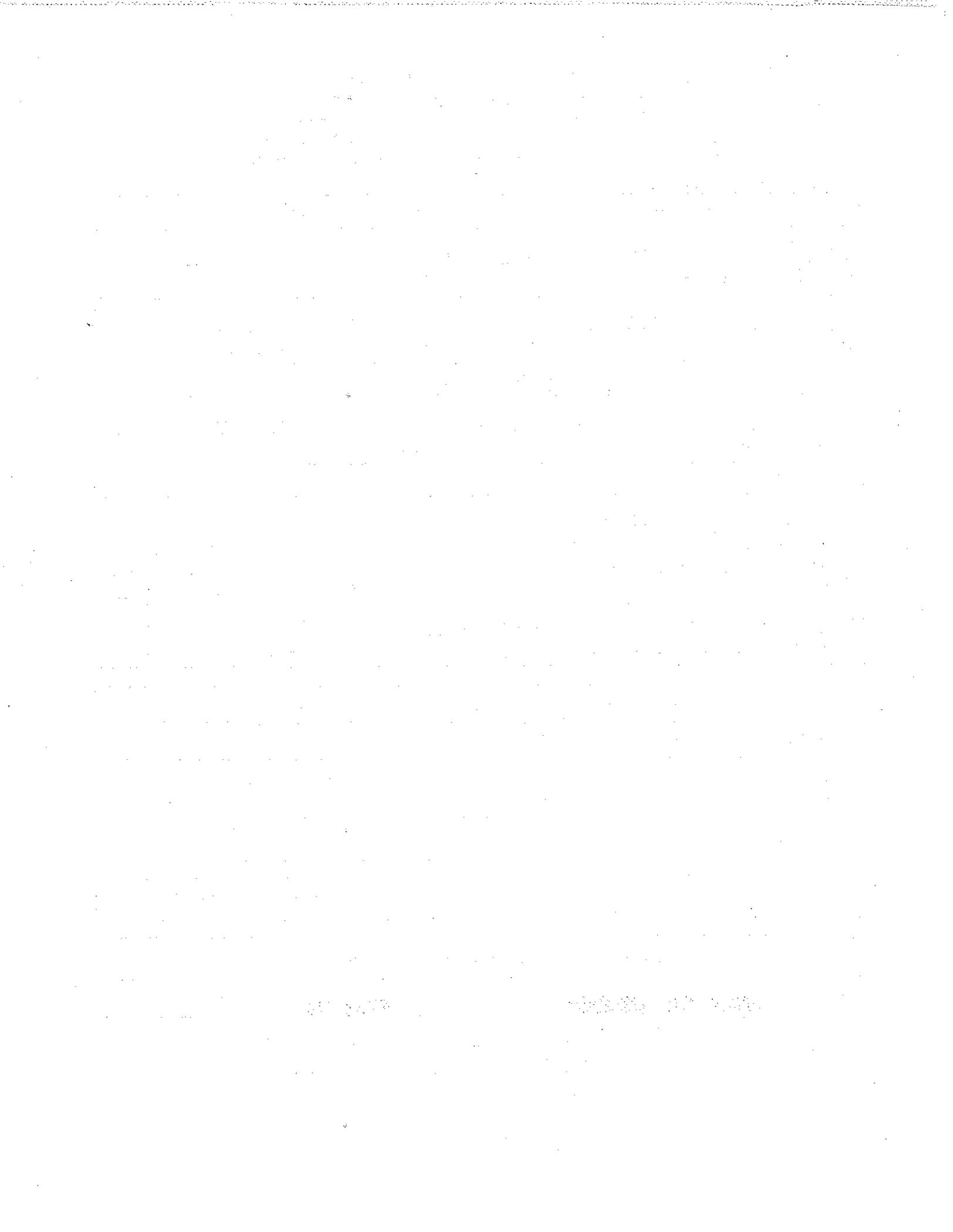
F. Attach a list of construction projects that your entity has paid for during the reporting period.

SIGNATURE: <i>Michael D. Millette</i>	DATE: 5/25/10
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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

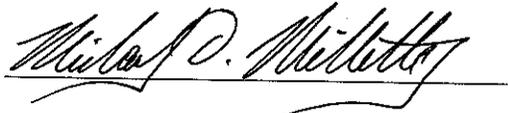
Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.



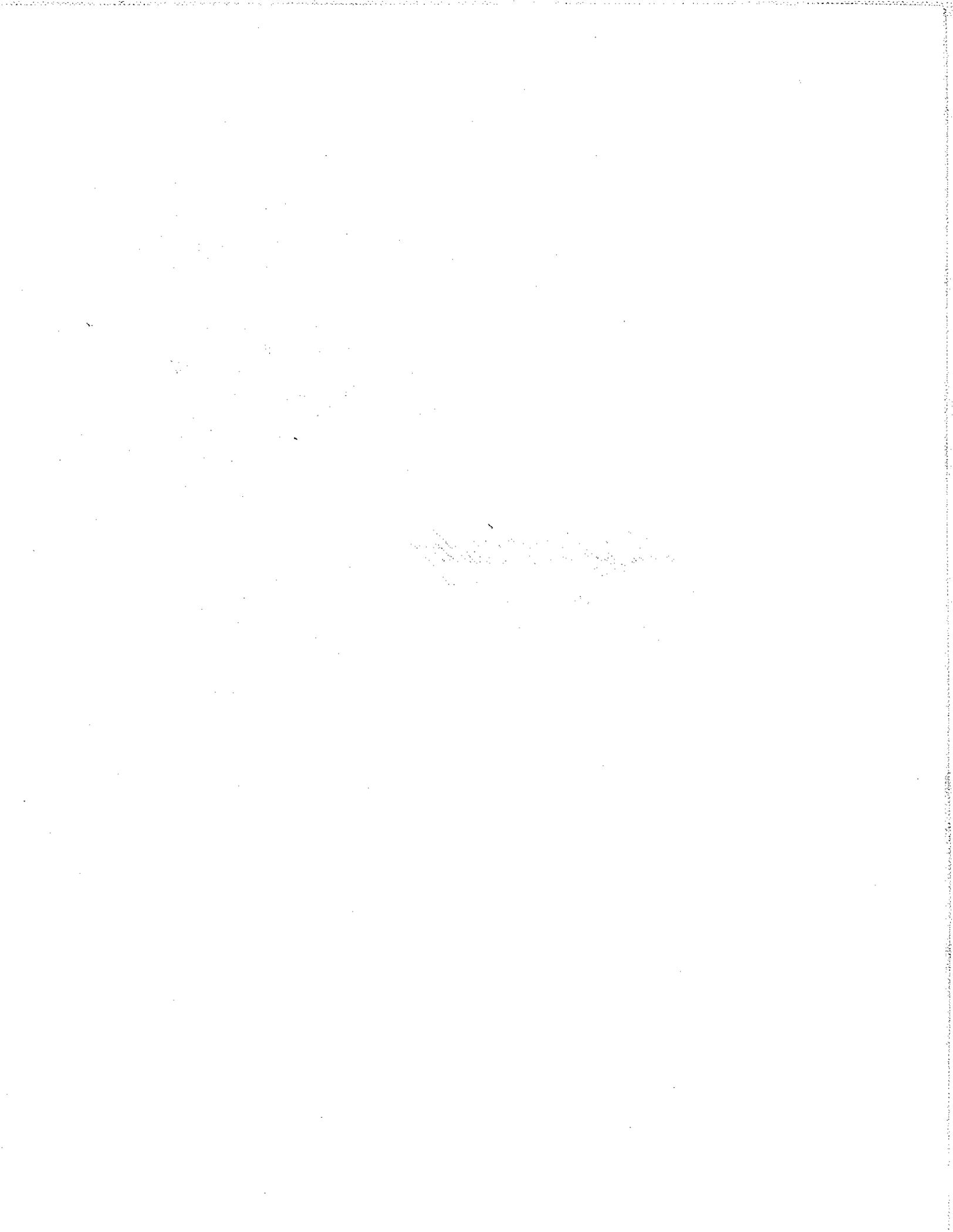
May 20, 2010

This statement has been written in accordance with Part II.B.5 of ILR40, General NPDES Permit for Discharges from Small Municipal Separate Storm Sewer Systems.

The Village of Downers Grove has implemented necessary best management practices (BMPs) of the six minimum control measures, as specified in the annual report for permit year six, submitted May 25, 2010. Following the reissuance of ILR40, The Village of Downers Grove continues to implement additional BMPs, detailed in the Notice of Intent (NOI) for General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4), dated July 31, 2013.

A handwritten signature in cursive script, reading "Michael D. Millette", written over a horizontal line.

Michael D. Millette, P.E.
Stormwater Administrator



**PLEASE NOTE THAT ANNUAL REPORTING FOR SECTIONS B AND D
CORRELATE TO EACH NOTICE OF INTENT BMP AS CHECKED ON ORIGINAL
PERMIT AS FOLLOWS:**

A. Public Education and Outreach

- A.1 Distributed Paper Material
- A.2 Speaking Engagement
- A.3 Public Service Announcement
- A.4 Community Event
- A.5 Classroom Education Material
- A.6 Other Public Education

B. Public Participation/Involvement

- B.1 Public Panel
- B.2 Educational Volunteer
- B.3 Stakeholder Meeting
- B.4 Public Hearing
- B.5 Volunteer Monitoring
- B.6 Program Coordination
- B.7 Other Public Involvement

C. Illicit Discharge Detection/Elimination

- C.1 Storm Sewer Map Preparation
- C.2 Regulatory Control Program
- C.3 Detection/Elimination Prior. Plan
- C.4 Illicit Discharge Tracing Proced.
- C.5 Illicit Source Removal Procedures
- C.6 Program Evaluation/Assessment
- C.7 Visual Dry Weather Screening
- C.8 Pollutant Field Testing
- C.9 Public Notification
- C.10 Other Illicit Discharge Controls

D. Construction Site Runoff Control

- D.1 Regulatory Control Program
- D.2 Erosion & Sed. Control BMPs
- D.3 Other Waste Control Program
- D.4 Site Plan Review Procedures
- D.5 Public Inform. Handling Proc.
- D.6 Site Inspection/Enforce. Proc.
- D.7 Other Constr. Site Runoff Controls

E. Post-Construction Runoff Control

- E.1 Community Control Strategy
- E.2 Regulatory Control Program
- E.3 Long Term O&M Procedures
- E.4 Pre-Const Review of BMP Designs
- E.5 Site Inspect. During Construction
- E.6 Post-Construction Inspections
- E.7 Other Post-Const Runoff Controls

F. Pollution Prevention/Good Housekeep.

- F.1 Employee Training Program
- F.2 Inspection/Maintenance Program
- F.3 Muni Operations Storm. Control
- F.4 Muni Operations Waste Disposal
- F.5 Flood Mgmt/Assess Guidelines
- F.6 Other Muni Operations Controls

SECTION 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.

A. Public Education and Outreach

- **A.1 Distributed Paper Material**
- **A.2 Speaking Engagement**
- **A.3 Public Service Announcement**
- **A.4 Community Event**
- **A.6 Other Public Education**

YEAR 2 MILESTONES:

- Continue to attend workshops on new and demonstration BMPs as well as new Ordinance requirements that may have been approved.
- Make additional stormwater information readily available to the public by adding it to the Village Website.
- Hold another Rain Barrel sale for area residents.
- Create informational handouts to inform schools of storm drain stenciling and river sweep volunteer opportunities.

COMPLETED TASKS IN YEAR 1:

■ **A.1 Distributed Paper Material**

- Upon request, the Village will distribute aerial maps showing approximate floodway and floodplain limits as well as any local storm sewer infrastructure. This information is also available for viewing on the Village Website.

■ **A.2 Speaking Engagement**

- The Village partnered with the Conservation Foundation to conduct a presentation on the benefits of using Rain Barrels within a residential property.

■ **A.3 Public Service Announcement**

- A 22 minute video entitled “After the Storm” is shown on the local access channel. The program airs approximately 40-50 times annually. It discusses the “interconnections between water supply, water quality and the economic vitality and quality of life in our communities” and was co-produced by the EPA and the Weather Channel.
- A 30 second commercial entitled “Don’t Muddy the Waters” is shown on the local access channel. The commercial airs approximately 40-50 times annually. It briefly discusses the consequences of stormwater pollution.

- Reminders are periodically added to the Village’s weekly news update email eliciting help in occasionally clearing debris from storm sewer inlets.

■ **A.4 Community Event**

- Village Staff distributed stormwater information at annual Public Works Week Open House.
- The Village partnered with the Conservation Foundation to hold a Rain Barrel sale in which 520 Rain Barrels were sold to area residents.
- **Storm Drain Stenciling Program** - Cooperated with multiple community groups and The Conservation Foundation to clean and stencil numerous storm sewer inlets.

■ **A.6 Other Public Education**

- The Village of Downers Grove continues to require storm sewer grates with integrated permanent label "DUMP NO WASTE - DRAINS TO RIVER" in new developments.
- The Village of Downers Grove Public Works Staff annually visits several area schools to showcase various equipment and responsibilities including those involving storm sewers.

B. Public Participation/Involvement

- **B.3 Stakeholder Meeting**
- **B.4 Public Hearing**
- **B.5 Volunteer Monitoring**
- **B.6 Program Coordination**

YEAR 2 MILESTONES:

- Formally adopting a partnership with DuPage County for the enforcement of Illicit Discharge regulations.
- Assist in the formal adoption process for any Ordinance and Technical Guidance revisions.
- Continue to attend monthly Municipal Engineers meetings at DuPage County.
- Participate or assist in public hearings for possible DuPage County Stormwater Management Plan Appendix updates as needed.
- Continue to participate in the review of data to see if there are trends being established within the DuPage County watersheds.
- Continue to hold/attend Public Hearings for all variance requests from the local or DuPage County Stormwater Ordinances.

COMPLETED TASKS IN YEAR 1:

■ **B.3 Stakeholder Meeting**

- **IDDE Ordinance** – The Village of Downers Grove has actively participated in the County’s manual development process via DuPage County Municipal Engineers meetings.

- **DuPage River Salt Creek (DRSCW) TMDL Workgroup** – The Village of Downers Grove is continuing its active participation in the general Workgroup and continues to maintain a staff member on the Workgroup’s Chloride Subcommittee.

■ **B.4 Public Hearing**

- Four public meetings were held by the Village’s Stormwater and Floodplain Oversight Committee regarding various stormwater issues.

■ **B.5 Volunteer Monitoring**

- As a member of the DuPage River Salt Creek Workgroup, Village Staff reviews monitoring results of watershed studies of dissolved oxygen and biological assessments.

■ **B.6 Program Coordination**

- As a member of the DuPage River Salt Creek Workgroup’s Chloride Subcommittee, Village Staff assisted in creating two separate chloride reduction workshops for both private and public snow removal entities.

C. Illicit Discharge Detection/Elimination

■ **C.1 Storm Sewer Map Preparation**

■ **C.2 Regulatory Control Program**

■ **C.3 Detection/Elimination Prioritization Plan**

■ **C.4 Illicit Discharge Tracing Procedures**

YEAR 2 MILESTONES:

- Continue to engage in discussions with DuPage County Staff and formally adopt a new Illicit Discharge Detection and Elimination ordinance.
- Create a plan for Village Staff to periodically seek out illicit discharge locations.
- Evaluate possible funding sources for illicit discharge detection and elimination plan.
- Continue storm sewer mapping via GPS equipment.
- Notify the general public of illicit discharge regulations and provide contact information upon adoption of an Illicit Discharge Detection and Elimination ordinance.

COMPLETED TASKS IN YEAR 1:

■ **C.1 Storm Sewer Map Preparation**

- Completed additional mapping of Village storm sewer and incorporation into the Geographic Information System for easy accessibility by Village Staff.

■ **C.2 Regulatory Control Program**

- Village staff participated in several conversations regarding the optimal extent of a partnership with DuPage County for detecting and eliminating illicit discharges.

■ **C.3 Detection/Elimination Prioritization Plan**

- As an active member in the DuPage River Salt Creek Workgroup, Village Staff continually participates in the establishment and refinement of TMDL development – this work will enable the Village to more specifically focus illicit discharge detection efforts.

■ **C.4 Illicit Discharge Tracing Procedures**

- By increasing the amount of mapped storm sewer and incorporating it into the Geographic Information System, Village Staff will have increased ability to trace back illicit discharges to their source.

D. Construction Site Runoff Control

■ **D.1 Regulatory Control Program**

■ **D.2 Erosion & Sediment Control BMPs**

■ **D.4 Site Plan Review Procedures**

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

■ **D.6 Site Inspection/Enforcement Procedures**

YEAR 2 MILESTONES:

- Continue to participate in creation of DuPage County Stormwater Ordinance revisions.
- Adopt DuPage County Stormwater Ordinance revisions and provide further review for potential revisions to the local ordinance that may be more stringent than that of the County ordinance.
- Analyze the effectiveness and current requirements regarding silt fence installation for single-family residential construction projects along with potential alternatives.

COMPLETED TASKS IN YEAR 1:

■ **D.1 Regulatory Control Program**

- The Village continued to proactively enforce erosion and sediment control standards through our permit review and code enforcement teams.

■ **D.2 Erosion and Sediment Control BMPs**

- Village Staff regularly performed research of publications for potential advances in industry standards regarding erosion and sediment control BMPs.

■ **D.4 Site Plan Review Procedures**

- Permit review personnel turnover has led to the acquisition of a licensed Professional Engineer with several years of municipal experience performing reviews of all permit submittals.
- A further addition to staff includes an individual certified as a Professional in Erosion and Sediment Control.

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

- The Village’s informational packet entitled “Stormwater Permit Guide” (for single family residential development) was disseminated on multiple occasions, to provide general guidelines for area developers.
- Various resident requests for clarification of the local Stormwater Ordinance as it relates to erosion and sediment control are immediately answered.

■ **D.6 Site Inspection/Enforcement Procedures**

- Code Enforcement re-delineated the areas for which they were responsible, in hopes of becoming more efficient at sighting Stormwater Ordinance violations.
- Contact was made with approximately 4 residents/developers regarding violations of the Stormwater Ordinance.

E. Post-Construction Runoff Control

- **E.1 Community Control Strategy**
- **E.2 Regulatory Control Program**
- **E.3 Long Term O&M Procedures**
- **E.4 Pre-Construction Review of BMP Designs**
- **E.5 Site Inspections During Construction**

YEAR 2 MILESTONES:

- Continue to inspect private detention areas to ensure that all remain compliant with the Ordinance and their original design.
- Inspect all storm sewers within Village-owned facilities.
- Continue to participate in the DuPage River Salt Creek Workgroup Chloride Reduction Subcommittee to improve the quality and audience of the two annual chloride reduction workshops.

COMPLETED TASKS IN YEAR 1:

■ **E.1 Community Control Strategy**

- Village Staff reviewed and revised the neighborhood “Cost Share Program” which enables multiple residents to join together and receive partial Village funding for storm sewer improvements within private property that will improve excessive runoff conditions.

■ **E.2 Regulatory Control Program**

- As part of the stormwater permit review process, the Village of Downers Grove continued to require private developers to design and install natural and manufactured structural BMPs for various development projects, in accordance with DuPage County Ordinance requirements.

■ **E.3 Long Term O&M Procedures**

- Village Staff established a system and begun utilizing it – for the inspection of private detention facilities throughout the Village.
- Village-owned Facility information has been gathered and organized in order establish an efficient inspection schedule.

■ **E.4 Pre-Construction Review of BMP Designs**

- Village Staff continued the partnership with an engineering consultant in reviewing pre-construction engineering plans to ensure the use of site-appropriate BMPs.

■ **E.5 Site Inspections During Construction**

- The Code Enforcement Division conducted several site inspections of single-family residential construction projects (during construction) at the request of local residents and additional Village Staff.

F. Pollution Prevention/Good Housekeeping

■ **F.1 Employee Training Program**

■ **F.2 Inspection/Maintenance Program**

■ **F.3 Muni Operations Storm. Control**

■ **F.5 Flood Management/Assessment Guidelines**

YEAR 2 MILESTONES:

- Continue to pursue both in-house and out-of-house training opportunities.
- Increase the amount of ditches improved, storm sewers jetted, inlets cleaned and length of creeks inspected and cleared of debris.
- Continue to investigate flood-prone property buy-outs to mitigate repetitive loss problems.
- Continue to participate in the National Flood Insurance Program's Community Rating System.
- Develop a standard operating procedure for Stream Maintenance throughout the Village.

COMPLETED TASKS IN YEAR 1:

■ **F.1 Employee Training Program**

- The following training seminars were attended by village engineering staff:
 - Stormwater Pollution Prevention Plans (SWPPP) for NPDES Construction Sites – Decatur Professional Development, LLC (12/14/09)
 - Beyond the Basics: Green Infrastructure for Clean Water Seminar – The Conservation Foundation (2/18/10)
 - Natural Areas Management Seminar – The Conservation Foundation and DuPage County Stormwater Management Division (2/22/10)
 - 2010 IAFSM Annual Conference – Illinois Association for Floodplain and Stormwater Management (3/10/10-3/11/10)
 - Small Drainage Structures – Illinois Department of Transportation (1/12/10)
 - Public Agency Deicing Workshop – DuPage River Salt Creek Workgroup (9/24/09)

■ **F.2 Inspection/Maintenance Program**

- Continued transition from paper and digital raster storm sewer atlas to digital vector (GIS) storm sewer atlas, which is part of the development of a customized stormwater detention facility atlas designed to facilitate efficient maintenance in routine and emergency situations.
- Continued the use of pre-wetting sodium chloride with liquid calcium chloride to reduce waste.
- Continued the use of anti-icing acetate compound in very limited areas.

■ **F.3 Muni Operations Storm Water Control**

- 29,333 ft of storm sewer cleaned
- 287 catch basins/manholes/inlets cleaned
- 24,500 ft of storm sewer televised
- 16,000 ft of roadside ditch improvements
- 5,000 ft of streambanks cleaned
- 2,416 miles of curb cleaned

■ **F.5 Flood Management/Assessment Guidelines**

- The Village of Downers Grove continues to regulate local flood zones that are not designated on FEMA maps. These local flood-prone areas, defined as “Localized Poor Drainage Areas (LPDAs)” are under continual study to improve accuracy of flood elevations and boundaries.
- Approval has been granted for the construction of a bioswale, just upstream of a residential area that has repeatedly received excess runoff from the bioswale area (currently a parking lot). This project will reduce pollution in runoff and mitigate hazardous flooding conditions.

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

- *Refer to DuPage County annual report.*

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

The following stormwater activities are planned for year 2 (as stated in the County and Village NOIs). The Village will assist the County as requested within Village Council policy and budget.

A. PUBLIC EDUCATION AND OUTREACH

- A.1 Make a greater amount of information available to the public via brochures in our lobbies. It would also be optimal to make available any materials that DuPage County is able to provide.
- A.2 Continue to provide residents and developers about potential stormwater issues and associated regulations upon request.
- A.3 Acquire additional stormwater-related material to incorporate into our local access channel programming list.
- A.4 Continue to provide green-construction presentations that will provide benefits to the community as a whole.
- A.5 Add a greater quantity of educational information to the Village website on a real-time basis as it becomes available throughout the year.

B. PUBLIC PARTICIPATION/INVOLVEMENT

- B.3 Continue to conduct neighborhood meetings prior to capital improvement projects in order to address resident concern and feedback.
- B.4 Continue to hold public hearings for future variance requests involving the local Stormwater Ordinance.
- B.5 Continue to review DuPage River Salt Creek Workgroup monitoring results and utilize resources to help establish potential TMDL requirements.

C. ILLICIT DISCHARGE DETECTION/ELIMINATION

- C.1 Continue to map the remainder of storm sewer infrastructure and any new pipes/drain tiles that are encountered within the right of way.
- C.2 Continue to engage in discussions with Village and DuPage County Staff regarding the adoption of a new Illicit Discharge Detection and Elimination ordinance and partnership.
- C.3 Begin to identify locations that appear to have dry-weather discharges so that when an official ordinance is approved, prioritized testing locations will already be determined.
- C.4 Continue discussions with DuPage County Staff to determine the most efficient combination of resources to establish the illicit discharge source.

D. CONSTRUCTION SITE RUNOFF CONTROL

- D.1 Maintain attendance at municipal engineers meetings to help form the pending revisions to the DuPage County Stormwater Ordinance as it relates to development.
- D.2 Continue research of industry standards in order to incorporate potential advancements into our recommended development procedures.
- D.4 Perform detailed reviews of all submitted engineering plans both in-house and by the use of a consultant engineering firm.
- D.5 Address all resident concerns regarding area construction in a timely and efficient manner and continuing to provide access to (and explanation of) the local Stormwater Ordinance on the Village website.
- D.6 Village Staff will proactively identify any visible ordinance violations involving runoff. These violations will be addressed and mitigated in a timely manner.

E. POST-CONSTRUCTION RUNOFF CONTROL

- E.1 Increase the amount of Cost Share Projects that are completed in order to better manage large amounts of runoff within private residential areas.
- E.2 Make better use of consultant and DuPage County Staff members to establish minimum design requirements for future development projects.
- E.3 Review and modify the Stormwater Maintenance Task List in order to utilize a more realistic approach and schedule.
- E.4 Continue to utilize all available resources to review and recommend the most site-appropriate BMPs within new developments.
- E.5 Establish a minimum amount of site inspections, per development permit, to be performed during the construction process.

F. POLLUTION PREVENTION/GOOD HOUSEKEEPING

- F.1 Increase the quantity of staff members that experience training of a stormwater nature.
- F.2 Perform at least ten inspections of private detention basins to verify compliance with the Stormwater Ordinance and the original design standards.
- F.3 Fully develop a list of Village-owned facilities and establish an appropriate schedule for inspection and potentially required maintenance.
- F.5 Establish a minimum of one additional capital improvement project that involves water quality and flood management.

SECTION E: Attach notice that you are relying on another government entity to satisfy some of your permit obligations

The Village of Downers Grove, as a co-permittee with DuPage County, will continue to cooperate with County representatives with the goal of achieving real improvements to water quality. The Village relies on DuPage County to take the lead for Control Measures A, B, D, & E, while the Village must directly drive local efforts to meet Control Measures C & F. The Village will continue to assist DuPage County with implementation of all 6 Control Measures and utilize County resources for all 6 Control Measures.

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

Location/Project Name	Category*	Start Date – End Date
Lacey Creek Stormwater Pipe Maintenance	Storm sewer maintenance	10/08-present
Maple Ave/Carpenter St Stormwater Improvement	Storm sewer replacement/ streambank maintenance	4/08-3/09
St. Joseph's Creek Stormwater Pipe Improvement	Streambank maintenance	4/08-3/09
Fairmount Avenue Stormwater Improvement	Storm sewer replacement/ streambank maintenance	6/08-3/09
Parrish Court Drainage Improvements	Storm sewer replacement	10/08-12/08
Venard Rd/Acorn Ave Stormwater Improvements	Storm sewer replacement	10/08-12/08
Barneswood Dr Stormwater Improvement	Storm sewer replacement	10/08-12/08
Dunham Pl Stormwater Improvement	Storm sewer replacement	8/08-10/08
2008 Pavement Improvements	Culvert replacement	7/08-10/08

*Drainage, Sanitary Sewer, Streambank Maintenance/Stabilization, Water Quality, Wetland Banking, etc.

