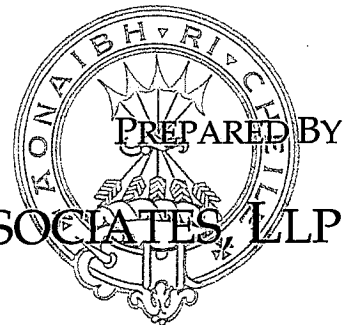


STORMWATER MANAGEMENT PLAN
ANNUAL REPORT (SWMPAR) - 2005

PREPARED FOR

THE INCORPORATED VILLAGE OF
CEDARHURST

CAMERON ENGINEERING & ASSOCIATES, LLP



AUGUST 2006

TABLE OF CONTENTS

- 1. EXECUTIVE SUMMARY**
- 2. MUNICIPAL COMPLIANCE CERTIFICATION**
- 3. STORM WATER MANAGEMENT PLAN MINIMUM MEASURES**
 - 3.1. Public Education and Outreach in Storm Water Impacts**
 - 3.2. Public Involvement/Participation**
 - 3.3. Illicit Discharge Detection and Elimination**
 - 3.4. Construction Site Storm Water Runoff Control**
 - 3.5. Post-Construction Storm Water Management**
 - 3.6. Pollution Prevention/Good Housekeeping**

APPENDICES

(Appendices are found at the end of the document)

Appendix A – Nassau County Storm Water Management Program Annual Report

1. Executive Summary

The Incorporated Village of Cedarhurst is providing this Year 2 Storm Water Management Plan Annual Report (SWMPAR) in compliance with its State Pollutant Discharge Elimination System (SPDES) General Permit GP-02-02. The Village's SPDES Permit Number NYR20A071 was issued in response to the Village's Notice of Intent (NOI) submitted to the New York State Department of Environmental Conservation (NYSDEC) in March of 2003 for compliance with Phase II Storm Water Regulations. The permit authorizes the Incorporated Village of Cedarhurst to discharge storm water runoff to the waters of the United States in accordance with the requirements of GP-02-02 as an MS4 (municipal separate storm sewer system) owner and operator.

A requirement of the general permit is to provide an annual report presenting an evaluation of the Village's SWMP with respect to monitoring progress toward achieving the program goals, identifying and utilizing Best Management Practices (BMPs) and ensuring pollutant reduction to the maximum extent practicable.

The SWMPAR presents a report of Village activities performed during Year 2 of the SWMP as well as an update of goals for Year 3 of the plan as they pertain to the six minimum control measures: Public Education and Outreach, Public Participation/Involvement, Illicit Discharge Detection and Elimination, Construction Site Storm Water Runoff Control, Post-Construction Storm Water Management and Pollution Prevention/Good Housekeeping procedures.

Throughout Years 1 and 2 and behalf of Nassau County, the Village continued its support regarding planning and conducting public education and outreach programs. The Village also continued to provide public notice via legal notice and scheduling of monthly Board meetings that are open to the public. In addition, the Village Building Department continued random site inspections, and if necessary, enforcement of Village code. Consistent with Nassau County's policy, the Village also requires developers to provide 8 inches of onsite stormwater storage capacity to reduce runoff volume leaving a development and impacting an adjoining MS4. The Village also continues to maintain a maintenance program for all Village-owned facilities, including road maintenance, drainage structure maintenance, street sweeping, roadside litter removal and storage of hazardous/toxic materials.

The Village looks forward to expanding its SWMP goals during Year 3 of the plan to include efforts to reach out to Village residents and educate them as to how they can participate and make significant improvements to water quality. The plan will also include sharing the efforts of surrounding communities and organizations for efficient execution of plan goals in a cooperative manner. The Village will also seek cooperation with Nassau County to help reach out to the public, provide more services to the public in the form of resources, hot lines and web sites and provide staff training with regard to operations and maintenance activities and pollution prevention measures.

The Village looks forward to implementing Year 3 goals in order to maintain its active role with storm water management and compliance with its SPDES General Permit GP-02-02.

2. Municipal Compliance Certification



**SPDES General Permit for Stormwater Discharges from
Small Municipal Separate Storm Sewers (MS4s), Permit No. GP- 02-02
Municipal Compliance Certification (Submitted with the SWMPAR), Page 2**

SPDES No.: NYR20A010	MS4 Name: Incorporated Village of Cedarhurst
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Section D. Explanation of Compliance Evaluation

If you answered No to question 1b in Section B or to any question in Section C, indicate the question number in the small box in the upper left hand corner, and provide a brief explanation, including action being taken to address the problem, in the space provided. With respect to any of the six minimum measures, your attached Stormwater Management Program Annual Report (SWMPAR) must include a detailed explanation of why implementation or compliance is not being achieved and what actions have been taken to ensure compliance with each minimum measure. Indicate where this explanation can be found in the SWMPAR. If necessary, attach extra sheets following the same format.

Question #	Explanation
Section C, 1b.	

Public presentation of Village's SWMP and each annual report will be provided through a public meeting. Public comments on SWMP and annual reports will be addressed.

Question #	Explanation
Section C, 1c.	

Village to evaluate participation in County municipal supervisor and Village supervisor training programs. Village to coordinate with Nassau County through use of County's Illicit Discharge Hotline. Village to evaluate means to inspect suspect outfalls during dry-weather flow conditions for illicit discharges.

Question #	Explanation
Section C, 1d.	

Village to review means necessary to evaluate current Village code relative to implementation of erosion and sediment control measures. Village to evaluate means necessary to facilitate access for public comment on construction plans.

Question #	Explanation
Section C, 1e.	

Village to evaluate use of existing documents (i.e., *New York State Guidelines for Urban Erosion and Sediment Control* and the *New York State Storm Water Management Design Manual*) as means to identify appropriate management practices in reducing pollutant discharge to the maximum extent practicable.

Question #	Explanation
Section C, 1f.	

Village to evaluate means to implement use of NYSDEC *NPS Management Program* document. Village to evaluate participation in Nassau County's municipal supervisor and Village supervisor pollution prevention training programs.

Section E. Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print Name: Salvatore Evola Title: Village Administrator

Signature: _____ Date: _____

The MCC form must be signed by either a principal executive officer or ranking elected official, or duly authorized representative of that person as described in Part VI.I.2. of the permit. Send two completed **hard copies** (an original and a photocopy) of this form, the following SWMPAR Minimum Measures and the other reporting requirements to the DEC Central Office (MS4 Permit Coordinator, 625 Broadway, Division of Water - 4th Floor, Albany, NY 12233-3505).

3. Storm Water Management Plan Minimum Measures

- 3.1. *Public Education and Outreach in Storm Water Impacts***
- 3.2. *Public Involvement/Participation***
- 3.3. *Illicit Discharge Detection and Elimination***
- 3.4. *Construction Site Storm Water Runoff Control***
- 3.5. *Post-Construction Storm Water Management***
- 3.6. *Pollution Prevention/Good Housekeeping***

Stormwater Management Program Annual Report Six Minimum Measures Section

March 10, 2004 – March 9, 2005

Municipality Name Incorporated Village of Cedarhurst SPDES Number NYR20A010

Use this table to summarize your Stormwater Management Program (SWMP) Minimum Measures for Sections I through VI of the SWMPAR. We request that MS4s fill out this table electronically. The table is available in Microsoft Word and Corel WordPerfect, or you may duplicate this table manually. Send two completed **hard copies** (an original and a photocopy) of the previous MCC form, this form and the other SWMPAR reporting requirements to the DEC Central Office (MS4 Permit Coordinator, 625 Broadway, Division of Water - 4th Floor, Albany, NY 12233-3505).

MINIMUM MEASURE I: Public Education and Outreach in Stormwater Impacts

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

As the Public Education and Outreach for Storm Water Impacts portion of the Incorporated Village of Cedarhurst Storm Water Management Plan is critical to reducing the impacts of storm water borne pollutants from their source on a community participation level, the Village is seeking to increase its efforts by reaching out and educating the general public as part of the Year 3 program goals. The objective for the Year 3 program will be to investigate the means reach out to the public via web page, creation of a storm water repository at Village Hall and preparation of a brochure for posting at various Village locales (i.e., library, post office, select grocery stores, etc.) as well as at Village Hall.

The Village to coordinate its Year 3 program goals with Nassau County's Storm Water Management Program (SWMP) in an effort to efficiently meet storm water program goals within municipalities of common geographical boundaries and to minimize duplication of services. It is anticipated that residents of the Incorporated Village of Cedarhurst will receive information pertaining to County-wide efforts to educate the public for their important role in participating in pollutant reduction. Mailings regarding storm water regulations, citizen guides to understanding storm water, storm water protection programs (i.e., Adopt-a-Waterway, pet waste control and household hazardous materials disposal) will be made available to Village residents as part of the County SWMP.

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.	
REQUIRED	YES NO		
	YES NO		

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES NO		
TECHNIQUES Plan and conduct an ongoing public education and outreach program	X	The Village continued its support and coordination effort with Nassau County regarding planning and conducting public education and outreach programs. For example, Nassau County initiated an Adopt-a-Waterway campaign with proceeds allocated to technology necessary to implement stormwater management programs. In addition, the County continues to provide guidance and maintains a central clearinghouse of information for public education and outreach.	The Village will investigate the means necessary to reach out to the public via Village website, creation of a storm water information repository at Village Hall and development of a brochure for posting at various Village locales. In addition, the Village will continue to coordinate its stormwater management program activities with Nassau County in an effort to efficiently meet program goals and minimize duplication of services.
ADDITIONAL TECHNIQUES			

MINIMUM MEASURE 2: Public Involvement/Participation

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

As a coordinated approach to MCM 1 – Public Education, the Incorporated Village of Cedarhurst will seek to encourage participation of its residents in the Storm Water Management Plan under MCM -2 by maintaining a storm water contact personnel and coordinating with Nassau County public involvement and informing the public of volunteer opportunities.

Year 3 goals will seek to expand public participation with a coordinated approach to Public Education. In addition, the Village will investigate the means necessary for public access to information via Village website, creation of a storm water information repository at Village Hall and development of a stormwater brochure for posting at various Village locales.

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES NO		
REQUIRED TECHNIQUES Public notice and access to documents and information	X	The Village continues to provide public notice regarding all Village Board actions via legal notice and scheduling of monthly Board meetings, which are open to the public. In addition, access to public documents continues to be provided through Freedom of Information Laws.	As a coordinated approach to MCM-1, the Village will investigate the means necessary for public access to information via Village website, creation of a storm water information repository at Village Hall and development of a stormwater brochure for posting at various Village locales.
Public presentation and comments received on SWMP and annual report	X		A public presentation of the Village's SWMP and each annual report will be provided through a public meeting. Public comments on the Village's SWMP and annual reports will be addressed with appropriate changes made to selected management practices/measurable goals. In addition, the Village will investigate additional methods to facilitate easier access for public review and comment of the SWMP and annual reports.

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES NO		
Public involvement/participation program	X	On behalf of the Village, Nassau County has continued to provide guidance and serve as a clearinghouse to the Village for activities associated with MCM-2.	The Village will continue coordination with Nassau County and will investigate the means necessary to support the County's Storm Drain Stenciling and Adopt-a-Waterway programs.
Contact person identified	X	Salvatore Evola, Village Administrator, remains as the Village's storm water contact person.	The Village will continue to maintain a storm water contact person.
ADDITIONAL TECHNIQUES			

MINIMUM MEASURE 3: Illicit Discharge Detection and Elimination

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

Illicit discharge detection and elimination is critical to identifying and reducing pollutant loading to the Incorporated Village of Cedarhurst storm water system and receiving waters. Illicit discharges as they pertain to the Village's storm water collection system include not only physical connections of pollutant sources such as sewage cross connections, but also more general pollutant sources such as failing septic systems, hazardous materials dumping into the groundwater and disposal of cigarette/tobacco product waste. Elimination of these pollutants include, identifying areas of concern and removing source(s) of pollution through enforcement actions. Year 1 and 2 SWMP goals and accomplishments for MCM 3 included continued coordination with Nassau County regarding stormwater outfall mapping and ownership determination and continued enforcement of Village Code as it pertains to illicit discharges. Year 3 program goals will investigate the means necessary to review, evaluate and update Village code and enforcement actions regarding illicit connections and to investigate the means necessary to map the Village's stormwater system. In addition, the Village will coordinate with Nassau County through use of the County's Illicit Discharge Hotline at (516) 571-6863 and investigate the means necessary to coordinate and obtain Nassau County's Geographic Information System (GIS) basemap information, which is expected to include an inventory of outfall locations, drainage tributary areas, priority waterbodies and municipal boundaries.

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
REQUIRED ACTIVITIES	YES NO		
Outfall mapping	X	The Village continued support of Nassau County's stormwater outfall mapping program and ownership determination. However, the Village did not investigate the means necessary to map the Village stormwater system.	The Village will investigate the means necessary to map the Village stormwater system and coordinate and obtain Nassau County's Geographic Information System (GIS) basemap information.
Illicit discharges prohibited	X	Illicit discharges are prohibited by Village Code. Accordingly, the Village continued active enforcement of illicit discharges. The Village did not review and evaluate current codes with respect to illicit discharges.	The Village will continue enforcement and prohibition of illicit discharges. In addition, the Village will investigate the means necessary to review, evaluate and update Village code with respect to illicit discharges.

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
Public, employees, businesses informed of hazards from illicit discharges	YES NO		The Village will evaluate participation in County municipal supervisor and Village supervisor training programs on illicit discharge detection and elimination. In addition, the Village will coordinate with Nassau County through use of the County's Illicit Discharge Hotline.
Illicit discharges identified	X		The Village will evaluate the means to inspect suspect outfalls during dry-weather flow conditions for illicit discharges.
ADDITIONAL ACTIVITIES			

MINIMUM MEASURE 4: Construction Site Stormwater Runoff Control

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

Construction site runoff control is critical to reducing pollutant loads at their source and minimizing the effects on both the Incorporated Village of Cedarhurst storm water collection system and the receiving waters. Year 2 goals and accomplishments for MCM 4 included continued random site inspections and enforcement of Village code for Village-permitted construction projects. In addition, the Village continues to provide it residents with the opportunity to comment on construction plans through Freedom of Information Laws and at Village Board meetings.

Year 3 goals will investigate the means to establish site plan review procedures as they pertain to construction site management and over-site for sediment and erosion control measures, waste management and storm water runoff control. The Village intends to review the Nassau County Department of Public Works' Drainage Requirements for the Subdivision of Land and investigate the means to incorporate these documents into the site plan review and construction inspection and enforcement process.

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
REQUIREMENTS	YES NO		
Require erosion and sedimentation controls through an ordinance or other regulatory mechanism	X	The Village Building Department continues random site inspections, and if necessary, enforcement of Village code as a condition of Village-permitted construction projects. Current Village codes were not evaluated relative to updating and implementing erosion and sediment control measures.	The Village will review the means necessary to evaluate current Village code relative to implementation of erosion and sediment control measures.
Provide opportunity for public comment on construction plans	X	Through the Freedom of Information Laws and monthly Village Board meetings, the Village continues to provide for public comment on construction plans. However, the Village did not evaluate the means necessary to provide for additional methods to facilitate easier access for public comment on construction plans.	The Village will continue to facilitate public comment on construction plans through the Freedom of Information Laws and monthly Village Board meetings. In addition, the Village will evaluate the means necessary to provide for additional methods to facilitate easier access for public comment on construction plans.

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES NO		
Require construction site plan review	X	Construction site plan review is required by the Village Code and includes consideration of storm water.	The Village will continue construction site plan review as required by Village Code. The Village will also investigate the means necessary to modify site plan requirements consistent with Nassau County's review procedures and ordinances.
Require overall construction site waste management	X	Village Code requires and enforces construction site waste management practices.	The Village will continue to require and enforce construction site waste management practices.
Site inspection and enforcement	X	The Village performed routine site inspections and enforcement actions for construction projects.	The Village will continue to perform routine site inspections and enforcement actions for construction projects.
Education and training of construction site operators	X	The Village to support Nassau County's development and implementation of Contractor/Developer Certification Program. In addition, the Village conducts regular employee operation and maintenance training.	The Village to support Nassau County's Contractor/Developer Certification Program. The Village will also investigate the means to provide additional education and training of construction site operators.
ADDITIONAL PRACTICES			

MINIMUM MEASURE 5: Post-Construction Stormwater Management

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

Post-construction storm water management is also critical to reducing pollutant loads at their source and minimizing the effects on both the Incorporated Village of Cedarhurst storm water collection system and the receiving waters. The ultimate goal of MCM 5 is to reduce storm water flow rates and pollutant concentrations from new post-construction sites and re-development projects by addressing storm water flows from both a volumetric (on-site storage) and flow rate (peak flow attenuation) criteria. Year 1 and 2 goals and accomplishments for MCM 5 included pre-established Village code requiring developers/owners to maintain their stormwater systems upon completion of construction projects and, as required by Nassau County policy, the Village also requires developers to provide 8 inches of onsite stormwater storage capacity reducing runoff volume leaving a development and impacting an adjoining MS4.

Year 3 goals will include an evaluation for the use of existing documents, such as *New York State Guidelines for Urban Erosion and Sediment Control* and the *New York State Storm Water Management Design Manual*, as a means to identify appropriate management practices to reduce pollutant discharge to the maximum extent practicable. In addition, the Village will investigate additional management practices to reduce pollutant discharge to the maximum extent practicable.

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?		Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES	NO	
REQUIREMENTS Assess existing conditions throughout the MS4 and identify appropriate management practices to reduce pollutant discharge to the maximum extent practicable	X		The Village will evaluate use of existing documents, such as <i>New York State Guidelines for Urban Erosion and Sediment Control</i> and the <i>New York State Storm Water Management Design Manual</i> , as a means to identify appropriate management practices to reduce pollutant discharge to the maximum extent practicable. In addition, the Village will investigate additional management practices to reduce pollutant discharge to the maximum extent practicable.
Regulate post-construction runoff from development through an ordinance or other regulatory mechanism	X		Village will review and evaluate current code enforcement mechanisms relative to post-construction stormwater management.

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
Develop management practice inspection and maintenance program	YES NO		The Village will evaluate use of existing documents, such as <i>New York State Guidelines for Urban Erosion and Sediment Control</i> and the <i>New York State Storm Water Management Design Manual</i> , as a means to identify appropriate management practices to reduce pollutant discharge to the maximum extent practicable. The Village will investigate additional management practices to reduce pollutant discharge to the maximum extent practicable.
ADDITIONAL PRACTICES			

MINIMUM MEASURE 6: Pollution Prevention/Good Housekeeping

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

Year 1 and 2 program accomplishments included the Village continuing its maintenance programs for all Village-owned facilities, including road maintenance, drainage structure maintenance, street sweeping, roadside litter removal and storage of hazardous/toxic materials. Year 3 program goals will include an evaluation to participate in Nassau County's storm water training programs for supervisors and staff and to evaluate and determine the means to implement use of NYSDEC's *NPS Management Program* document to identify appropriate management practices to reduce pollutant discharge to the maximum extent practicable. In addition, the Village will evaluate the means necessary to develop a pollution prevention plan. All Year 3 program goals will include a coordinated effort between the Village and the County to reduce pollutants at their source and minimize widespread "downstream" effects of pollutant loading.

B. Implementation of Best Management Practices		C. Activities Planned for Upcoming Year	
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
REQUIREMENTS	YES NO		
Prevent discharge of pollutants from municipal operations	X	The Village maintains a maintenance program for all Village-owned facilities, including road maintenance, drainage structure maintenance, street sweeping, roadside litter removal and storage of hazardous/toxic materials.	The Village will continue to review, evaluate and update existing Village pollution prevention/good housekeeping operations and maintenance programs for all Village-owned facilities.
Follow DEC NPS management Practices catalog, or equivalent	X		The Village will evaluate and determine the means to implement use of DEC's <i>NPS Management Program</i> document to identify appropriate management practices to reduce pollutant discharge to the maximum extent practicable.
Conduct employee pollution prevention training	X		The Village will evaluate participation in Nassau County's municipal supervisor and Village supervisor pollution prevention training programs.
ADDITIONAL PRACTICES			

APPENDIX A

Nassau County Storm Water Management Program Annual Report