



**Phase II SPDES General Permit for
Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s), GP-02-02
MUNICIPAL COMPLIANCE CERTIFICATION (MCC) FORM**

Regulated MS4: Suffolk County SPDES Permit Number: NYR20 A180

See information packet for information to help complete this form.

MCC Form for year ending: March 9, ___ 2006 (Year 3) ___X___ 2007 (Year 4) ___ 2008 (Year 5)			
Section A. MS4 Owner/Operator and Contact Person Information (contact persons explained in instructions)			
Owner/Operator Is information below new or changed? ___ Yes ___X___ No			
Name: William Hillman		Title: Chief Engineer	Department: Public Works
Mailing Address:	Street or P.O. Box: 335 Yaphank Avenue		City: Yaphank
	County: Suffolk	State: NY	Zip Code: 11980
Phone: (631) 852-4002		E-mail Address: william.hillman@suffolkcountyny.gov	
Local Stormwater Public Contact (Required by Minimum Measure 2)			
Is information below: 1) new or changed? ___X___ Yes ___ No 2) same as: ___ Owner/Operator			
Name: Jeff Dawson		Title: Civil Engineer	Department: Public Works
Mailing Address:	Street or P.O. Box: 335 Yaphank Avenue		City: Yaphank
	County: Suffolk	State: NY	Zip Code: 11980
Phone: (631) 852-5325		E-mail Address: Jeff.dawson@suffolkcountyny.gov	
Stormwater Management Program (SWMP) Coordinator (Responsible for implementation/coordination of SWMP)			
Is information below: 1) new or changed? ___ Yes ___X___ No 2) same as: ___ Owner/Operator ___ Local Stormwater Public Contact			
Name: Emerson Hasbrouck		Title: Senior Educator	Department: Cornell University Cooperative Extension of Suffolk
Mailing Address:	Street or P.O. Box: 423 Griffing Avenue		City: Riverhead
	County: Suffolk	State: NY	Zip Code: 11901
Phone: (631) 727-7850		E-mail Address: ech12@cornell.edu	
Annual Report Preparer			
Is information below: 1) new or changed? ___ Yes ___X___ No 2) same as: ___ Owner/Operator ___ Local Stormwater Public Contact ___ SWMP Coordinator			
Name: Lorne Brousseau		Title: Senior Resource Educator	Department: Cornell University Cooperative Extension of Suffolk
Mailing Address:	Street or P.O. Box: 180 Little Neck Road		City: Centerport
	County: Suffolk	State: NY	Zip Code: 11721
Phone: (631) 854-5544		E-mail Address: lb66@cornell.edu	

IMPORTANT NOTE: Rows can be added to the tables in the following sections by going to the rightmost cell in the bottom row of the table and hitting tab. Hitting return in a given row will make the row wider, creating more room to type or write.

Section B. Local Water Quality Information

Information to help complete this section can be found in the instructions.

1. Does the MS4 discharge to 303(d) listed waters or is it in a TMDL watershed?

Yes (complete the table below) No Not Yet Determined

(Put an X in the 'Classification' cell to indicate if the MS4 discharges to a waterbody on the 303(d) list and / or if it is in a TMDL watershed.)

Impaired Waters Name (from 303 (d) list and/or TMDL)	Pollutant(s) of Concern (from 303 (d) list and/or TMDL)	Classification	
		303 (d)	TMDL
Bellport Bay (1701-0320)	Pathogens	X	
Canaan Lake (1701-0018)	Phosphorus/Silt/Sediment	X	
Great Cove (1701-0376)	Pathogens	X	
Huntington Harbor (1702-0228)	Pathogens	X	
Lake Ronkonkoma (1701-0020)	Pathogens/Phosphorus	X	
Narrow Bay (1701-0318)	Pathogens	X	
Nicoll Bay (1701-0375)	Pathogens	X	
Northport Harbor (1702-0230)	Pathogens	X	
Patchogue Bay (1701-0326)	Pathogens	X	
Peconic River, Lower, and tidal trib (1701-0259)	D.O./Oxygen Demand	X	X
Stony Brook Hbr /West Meadow Cr (1702-0047)	Pathogens	X	
Northwest Creek	Pathogens	X	
W Meadow Creek	Pathogens	X	

NOTE: There are 56 303(d) listed waterbodies found in Suffolk County. Through the IDDE, it has been determined that SC discharges into 13 of them (see above) and does not discharge into 13 of them. The status of the remaining 24 waterbodies will be determined as the IDDE program continues during the final permit year.
Long Island Sound and the Peconic Estuary are the two waterbodies that have TMDL's.

2. Have you received notification from the Department that you are subject to the special conditions in Part III.B. of the permit?

Yes
 No

3. Have all necessary changes been made to the Stormwater Management Program (SWMP) to ensure compliance with Part III.B. of the MS4 permit for discharges to 303(d) or TMDL waters?

Yes
 No (explain below)

Explanation:

Section C. Partnership Information

Information to help complete this section can be found in the instructions.

1. Does your MS4 work with partners? Yes (complete table below) No (Proceed to Section D)

List MS4 Partners with Legally Binding Agreements or Contracts in Place

Cornell University Cooperative Extension of Suffolk County (CCE). CCE is under a 5 year contract to assist with many components of the Phase II program.

List MS4 Partners with Planned Legally Binding Agreements or Contracts

List MS4 Partners with Other Agreements in Place

Section D. Geographic Areas Addressed by Stormwater Management Program (SWMP)

Information to help complete this section can be found in the instructions.

1. Does your SWMP cover all jurisdictional (automatic and additionally designated) areas within the MS4, as required by 40 CFR 122.32(a)? Yes No (Explain below)

Explain: The SWMP covers all roads and properties owned, maintained and/or operated by Suffolk County

Section E. Funding and Resource Allocation

Information to help complete this section can be found in the instructions.

1. Are adequate resources (funding mechanism, equipment, staff, etc.) planned or in place to fully implement your SWMP no later than January 8, 2008? Yes No (explain below)

Explain: N/A

2. If the MS4 is receiving funding through the municipal budget, a grant, or other source, briefly explain below: what are the sources, estimated amounts, and frequency of funding for the MS4?

Explain: The SWMP is funded through the Suffolk County Water Quality Protection and Restoration Program at an approximate amount of \$360,000 per annum. Additional capital funds are obtained for specific Suffolk County Department of Public Works remediation projects (see Appendix II), while regular operating funds are used on staff whose resources are leveraged on an as-needed basis.

3. If the MS4 is not receiving funding, briefly explain below: plans the MS4 has for obtaining future funding?

Explain: N/A

Section F. Compliance Certification			
Compliance Assessment - For each of the minimum control measures, indicate below if your program has made steady progress toward full implementation <i>and</i> has achieved all measurable goals scheduled to be completed during this reporting year . Refer to the NOI and prior Annual Reports for information about measurable goals scheduled for this reporting year.			
Permit Part	Minimum Control Measure	ANSWER BOTH COLUMNS FOR THIS REPORT YEAR <u>ONLY</u>	
		Steady Progress	Goals Achieved
IV.C.1.	Public Education and Outreach on Stormwater Impacts Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
IV.C.2.	Public Involvement / Participation Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
IV.C.3.	Illicit Discharge Detection and Elimination Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
IV.C.4.	Construction Site Stormwater Runoff Control Explain 'no' / 'N/A' answer: A new SWPPP manual, including guidance documents, a new project manual section, a template SWPPP and an example SWPPP, has been adopted and is currently in use by in-house staff as well as consultants on all affected County projects. New specifications for construction site stormwater runoff control, adapted from the NYS Standards and Specifications for Erosion and Sediment Control, are in use.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
IV.C.5.	Post-Construction Stormwater Management Explain 'no' / 'N/A' answer: A new SWPPP manual, including guidance documents, a new project manual section, a template SWPPP and an example SWPPP, has been adopted and is currently in use by in-house staff as well as consultants on all affected County projects. New specifications for construction site stormwater runoff control, adapted from the NYS Standards and Specifications for Erosion and Sediment Control, are in use.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
IV.C.6.	Pollution Prevention / Good Housekeeping for Municipal Operations Explain 'no' / 'N/A' answer: Although some employees have received training on pollution prevention, we are looking to augment and address specific priorities in the next permit year. This will be accomplished through a series of training seminars for good housekeeping, as well as IDDE training for specific staff.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

Certification Statement

“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: _____ Title: _____

Signature: _____ Date: _____

This 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. See instructions for more information about who can sign this form.

Send two completed **hard copies** (an original and a photocopy) of this form, the Annual Report Table and any attachments to the DEC Central Office (MS4 Permit Coordinator, 625 Broadway, Division of Water - 4th Floor, Albany, NY 12233-3505). **DO NOT SUBMIT REPORTS IN THREE-RING BINDERS.**



**Phase II SPDES General Permit for Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s), GP-02-02
STORMWATER MANAGEMENT PROGRAM ANNUAL REPORT (SWMPAR) TABLE**

Regulated MS4: SUFFOLK COUNTY SPDES Permit Number: NYR20A180

Annual Report Table for year ending: March 9, 2006 (Year 3) X 2007 (Year 4) 2008 (Year 5)

Information about how to complete the follow tables is in the instruction section. Please complete the tables electronically, if possible. Send two completed **hard copies** (an original and a photocopy) of this Annual Report Table, the MCC form and any attachments to the DEC Central Office (MS4 Permit Coordinator, 625 Broadway, Division of Water - 4th Floor, Albany, NY 12233-3505). **DO NOT SUBMIT REPORTS IN THREE-RING BINDERS.**

Minimum Control Measure 1. Public Education and Outreach

Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.

<p>Permit Reference IV.C.1.a, b: Plan and conduct an ongoing public education and outreach program to ensure the reduction of all pollutants of concern in stormwater discharges to the maximum extent practicable (MEP).</p> <ul style="list-style-type: none"> • <i>Explain the program, including activities and materials used</i> • <i>Identify the personnel or outside organization conducting the activity.</i> • <i>Indicate activities planned for next year.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><i>A.1 Develop education and outreach resources.</i></p> <p>-Outreach education being funded by Suffolk County (SC), managed by Suffolk County Department of Public Works (SCDPW), and contracted to Cornell University Cooperative Extension of Suffolk County (CCE).</p>	<p>A full-time stormwater educator was hired and has developed outreach curricula (K-7 classes, children’s summer camps, senior’s classes, civic groups, and businesses). Additionally, four part-time educators stationed throughout Suffolk County assist with stormwater educational program delivery. An educational brochure titled “Where Does the Rain Go?” (for adults) and a “Stromwater Kid’s Page” (children’s activity page) were produced and are being broadly distributed. Completed in March 2006.</p> <p><i>4th Permit Year: An additional 10,000 of each of the above brochures were printed. Some have been distributed to each library in Suffolk County, and they are distributed during educational classes and/or public events. It should be stressed that although the task has been ”completed”, it is ongoing in the respect that the curricula that has been developed continues to be used in numerous classes conducted each year (see MCM#1.B.4 – additional techniques).</i></p>
<p><i>A.2 Develop brochures to support public meetings.</i></p> <p>- Funded by SC, managed by SCDPW, and</p>	<p>Oral presentations, PowerPoint slideshows, posters, brochures and flyers have been developed to support public outreach and meetings. Citizens are notified of public comment opportunities and meetings through the existing infrastructure of the Suffolk County Council of Environmental Quality (SCCEQ), through the stormwater website, and through selected mailings. Completed in</p>

<p>contracted to CCE.</p>	<p>March 2006.</p> <p><i>4th Permit Year: Updated the PowerPoint presentations and posters so presentations would reflect Stormwater Management Program (SWMP) progress in the previous permit year.</i></p>
<p><i>A.3 Create stormwater contact.</i></p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>Several stormwater contacts have been designated for the Stormwater Management Program (SWMP). Jeff Dawson, with the SCDPW, has been designated the Stormwater Management Officer. He will coordinate all program initiatives between different SC departments and divisions as well as with Cornell Cooperative Extension (CCE). In addition, CCE staff is available to respond to public inquiries: Lorne Brousseau for program implementation information (lb66@cornell.edu), Angel Dybas for technical issues (ald68@cornell.edu), and Mark Cappellino for educational outreach information (mec26@cornell.edu). Completed in March 2007.</p>
<p><i>A.4 Identify existing education programs.</i></p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>Several existing educational programs were identified as potential teaching tools (e.g. Project Wet). However, in order to more closely match the specific needs and priority issues in Suffolk County (e.g., emphasis on pathogens which has caused many waterbodies to be listed on the 303d), unique outreach classes have been developed and implemented. The emphasis may change as we find new and innovative programs or when we approach an area with unique local conditions. Completed in September 2005.</p>
<p><i>A.5 Collect local water quality information</i></p> <p>-Suffolk County Department of Health Services (SCDHS) -NYSDEC</p>	<p>Suffolk County currently conducts an extremely comprehensive water quality monitoring program. The program has been in existence since the mid-1970s, and currently monitors over 100 stations at various times throughout the year. Numerous water quality parameters are analyzed including oxygen, nitrogen, and coliforms. The NYSDEC also conducts coliform counts at numerous sites throughout the County. Both programs are effective at monitoring coliform levels throughout Suffolk County. The SCDHS effort is a long-term ongoing program which is expected to continue indefinitely.</p>
<p><i>A.6 Identify pollutants of concern</i></p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>Various association publications (Long Island Sound Study, Peconic Estuary program, South Shore Estuary Reserve) and websites (EPA, NYSDEC) continue to be monitored to keep our program updated on pollutants of concern. However, most of the 303(d) waterbodies that the County is currently known to discharge into list “pathogens” as the primary pollutant of concern. Therefore the sources, impacts, and importance of coliforms have been emphasized in educational outreach classes to both youths and adults. Pesticides and fertilizers are also a significant problem in Suffolk County and are consequently additional pollutants of concern. Completed in January 2005.</p> <p><i>4th Permit Year: Note: the establishment of a TMDL in the Peconic Estuary for pathogens further validates our effort to focus on coliforms in our outreach efforts.</i></p>
<p><i>A.7 Identify Target Audiences</i></p> <p>- Educational outreach funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>Target audiences were selected based on the need for stormwater education, the likelihood of promoting changes in behavior, as well as priority geographic areas of concern. Target audiences included children (K-7), seniors, civic associations, and the business community (focus on landscapers).</p>

	<p>One of the selected geographic areas of concern was Lake Ronkonkoma which has significant pathogen problems (e.g. high counts resulting in beach closures). Coliform identification through DNA analysis and educational outreach has been conducted to help study and mitigate the problem. Completed January 2006.</p>
<p><i>B.1 Further development of infrastructure resources</i></p> <p>- Educational outreach funded by SC, managed by SCDPW, and implemented by SCDPW and CCE.</p>	<p>In addition to current staff (DPW and CCE project leaders, project managers, a full-time stormwater/GIS specialist, and a full-time educator); eight part-time technicians worked on IDDE, four additional part-time educators did outreach, and a part-time Information Technology (IT) specialist worked on the web design. Completed March 2006.</p> <p><i>4th Permit Year: hired an intern to assist with the Illicit Discharge Detection and Elimination (IDDE) effort.</i></p>
<p><i>B.2 Create informational website</i></p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>A comprehensive website has been developed (www.co.suffolk.ny.us/stormwater/). It provides general information, details educational outreach efforts, has a document download section, has a kids page, lists best management practices (BMPs), lists contact information, publishes public meeting notices, and provides interesting links. Completed March 2006, but the site will be updated routinely and expanded during the next permit year.</p> <p><i>4th Permit Year: The URL was changed to make the website more memorable and recognizable (www.suffolkstormwater.com). Many updates were incorporated including the addition of: pop-up links with definition of terms, new duck logo, home page to report an illicit discharge, more detail to description of 6 MCM's, more links to related stormwater sites, a frequently asked question (FAQ) page, links to annual reports for public interest/comments, minutes from citizen advisory committee (CAC) meetings, a video public service announcement (PSA) on stormwater, downloadable pdf's of all produced flyers and brochures, an updated kid's page, information on recycling centers, a map of 303d list, and pages on best management practices (BMP's) for homeowners. During the 4th permit year the stormwater website had 2, 912 visitors who viewed 9,247 pages. Completed March 2007</i></p>
<p><i>B.3 Develop school curricula</i></p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>Several stormwater classes have been developed and implemented in previous permit years. These classes are offered free of charge by Suffolk County and include: Be a Stormwater Superhero (grades k-4); Stormwater in Your Neighborhood (grades 4-7); Introduction to Stormwater (grades K-5); Teacher Workshop (Scope). The classes will be modified as needed depending on changes in pollutants or geographic areas of concern, as well as feedback on classes from students, teachers, or the Citizens Advisory Committee (CAC). Teachers are being given questionnaires following the outreach classes so they have the opportunity to rate and provide feedback on the class. Completed January 2006.</p> <p><i>4th Permit Year: The full time educator piloted a new stormwater auditorium presentation for schools and camps. This new presentation, called "Meet Stormy Waters" is a play where the</i></p>

	<p><i>educator plays the main character who is a stormwater detective. Students participate in the play as actors using supplied materials to act out 4 different scenes about stormwater pollution issues. Presentation includes skit dealing with the problem of pet waste and pathogens in local water bodies. Presentation is video taped by students using supplied cameras. A final production is mailed back to school with the addition of an introduction for classroom viewing as a follow up activity. Completed March 2007</i></p>
<p><i>B.4 Contact target audiences and groups</i></p> <p>-Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>The target audiences described in I A.7 have all been contacted and classes are being given free of charge. The following classes were conducted in 2005: 123 youth classes (3000 children), 4 seniors classes (86 adults), and 3 civic association meetings (111 adults). We feel that targeting both youth and adults maximizes the chance of educating the public. This is an ongoing task, with plans to reach a similar number of people each year. Completed March 2006</p> <p><i>4th Permit Year: The following classes were conducted: 149 youth classes (3514 children), 3 seniors classes (74 adults), and 9 civic association meetings (304 adults). It should be noted that 55% (youth classes), 25% (seniors), and 60% (civic groups) of classes were conducted in TMDL watersheds, or in areas adjacent to TMDL watersheds where the likelihood of some of the participants living in the TMDL watershed is high. In an effort to address our priority pollutants and geographic areas, we will continue to focus outreach efforts in TMDL areas with the lecture emphasis being on coliforms.</i></p> <p><i>In an effort to reach businesses, a presentation was conducted at the Nassau Suffolk Landscape Gardeners Association Conference on March 6, 2007 for 150 landscapers. The presentation included BMP's for reducing stormwater runoff pollution. In addition, booths were set up at several festivals (e.g. Lake Ronkonkoma Fall Festival) in an effort to reach target audiences. Completed March 2007</i></p>
<p><i>B.5 Train volunteer educators (if necessary)</i></p>	<p>CCE has been contracted by Suffolk County to conduct stormwater educational outreach (see MCM#1.B.3 and MCM#1.B.4). CCE has hired 1 full time position (stormwater educator) to oversee the effort. There are also 4 part-time educators who are stationed throughout Suffolk County. The above positions will be maintained through the first permit term. Since there is a significant amount of professional staff available to educate the public, there has been little need to train and utilize volunteer teachers.</p> <p><i>4th Permit Year: An example of how volunteers were used indirectly to help educate the public is with a program involving an interested eagle scout. The scout created a stormwater questionnaire which he had local residents complete. He also mailed out 600 of the "Where Does the Rain Go?" brochures.</i></p>
<p><i>C.1 Stencil storm drains</i></p>	<p>Customized curb markers which list the Program name as well as the Program mascot have been designed and printed (7000 curb markers). A curb marker will be attached to each County-</p>

<p>- Funded by SC, managed by SCDPW, and implemented by SCDPW and CCE.</p>	<p>maintained storm drain, starting in spring 2006. In addition, since Lake Ronkonkoma was one of our target geographic areas, 400 of the markers have a message more specific to the lake. This is an ongoing task.</p> <p><i>4th Permit Year: Approximately 5,500 markers were affixed to storm drains on Suffolk County roads. This represents approximately 35% of all storm drains on County roads or properties. An additional 7,000 markers were printed and received. The application of curb markers will continue in the final permit year.</i></p>
<p>C.2 Revise drainage standard detail</p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>The existing catch basin and manhole cover standard detail has been reviewed. A supplier of stormwater structure components (East Jordan Iron Works) has designed an alternative detail which lists an anti-pollution message such as “Do Not Dump, Drains to Bay”. SCDPW is currently reviewing the design and will decide upon its official adoption. This is an ongoing task, scheduled to be completed in the final permit year.</p>
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><i>Developed and unveiled Suffolk County Stormwater Management Program mascot and logo</i></p>	<p>With the assistance of the Stormwater Citizens Advisory Committee, the County has developed a program mascot and logo, which will be displayed on all education and outreach materials, customized curb markers (MCM#1.C.1.), and the stormwater website to bring County-wide recognition to the program (Appendix 3)</p> <p><i>4th Permit Year: The name for the duck on the SWMP logo was officially unveiled at a press conference in August 2006 attended by News 12, National Public Radio, Channel 55, LI News Tonight, the Long Islander Newspaper, and local and County politicians. An award was given to the child who won a contest to name the program mascot: “Stormy”. The press conference also served to highlight the custom curb markers which were developed for the program. A demonstration of how to affix the markers to a curb was performed for all in attendance. Completed August 2006</i></p>
<p><i>Worked with press to produce newspaper articles relating to the sources and impacts of stormwater runoff.</i></p>	<p>As a means to educate the public, effort has been placed on publishing newspaper articles. Examples of this include:</p> <ul style="list-style-type: none"> a) “Stormwater: Slow the Flow”, PEP Talk/The Newsletter of the Peconic Estuary Program, Fall 2005, Joanna Corey CCE. b) “Don't Dump!”, The Sag Harbor Express, December 2005. c) “Sticker to Fight Pollution”, The News-Review, March 2 2006, Michelle Myers. <p><i>4th Permit Year: An additional article was published in the past permit year: “Last stop, our waterways/Storm-water runoff education important for preservation, The Suffolk Times, November 16 2006, Michelle Myers.</i></p>
<p><i>Development of a “Stormwater Demonstration</i></p>	<p><i>4th Permit Year: During the last permit year we developed a concept and created plans to convert a</i></p>

<p><i>Site” at the Suffolk County Farm and Education Center</i></p>	<p><i>small building on the Suffolk County Farm in Yaphank as a demonstration building showing the public visitors some best management practices to reduce stormwater pollution from their property. Plans for the Demonstration Site include a scaled down green roof system, rain gutters connected to a rain barrel, a rain garden, pet waste management display and a small pathway demonstrating the use of permeable surface. This stormwater display will also include a kiosk with educational information for the public with posters, photos, and flyers to reduce stormwater pollution and pathogens from entering local surface waters. Most of the materials have been purchased for the project and some renovation of the building took place this past year. During the next final year we expect to complete the project.</i></p>
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Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:
The following changes to the SWMP should be noted:
1) A measurable goal which has changed significantly is the storm drain stenciling. Through research and trials we found the use of spray stencils to be impractical for the scope of this project. In addition, they are not aesthetically pleasing and are relatively short lived (message fades in a few years). We thus decided to use plastic UV-resistant curb markers which we are able to customize with our Program name and logo, that not only look better, but will last significantly longer.

Minimum Control Measure 2. Public Involvement/Participation

Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.

<p>Permit Reference IV.C.2.c.iii.: Design and conduct a public involvement / participation program.</p> <ul style="list-style-type: none"> • <i>Describe activities that the MS4 has/will undertake to provide program access to interested individuals and to gather needed input.</i> • <i>Indicate activities planned for next year.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><i>A.1 Identify existing water quality monitoring efforts.</i></p>	<p>Some volunteer water quality monitoring efforts have been found to exist in Suffolk County. The most comprehensive is the “Waterlogging Program”, which has volunteers monitoring the water quality (oxygen, nitrates, phosphates, temperature etc.) of numerous stations in the Huntington Bay complex throughout the year. The Program is attempting to expand into other waterbodies throughout Suffolk County. Completed January 2005.</p>
<p><i>A.2 Coordinate the use of volunteers to supplement data collection efforts.</i></p>	<p>As part of Suffolk County’s comprehensive environmental protection and monitoring efforts, there is staff with the DHS which handles calls from citizens/volunteers regarding potential illicit discharges from outfalls. The Suffolk County Department of Health Services (SCDHS) has personnel which conduct (if appropriate) site visits and run water quality samples in response to complaints. The water quality tests include coliforms and other Suffolk County pollutants of concern. If there is an illicit discharge, SCDHS works with the violator to remediate the situation. Contact information is available on the Suffolk County Stormwater Management website. Completed January 2006</p> <p><i>4th Permit Year: Four complaints of possible illicit discharges were received and investigated by the SCDHS, but none of them could be verified.</i></p>
<p><i>A.3 Use volunteer programs to help identify outfalls and stencil drains.</i></p>	<p>We will be using volunteers (boy scouts, 4H clubs, school groups, etc.) to help with storm drain marking. For example, on the upcoming Earth Day children will help place markers on the County-maintained catch basins on Shelter Island. As with the educational outreach, youth is one of our main priority audiences, and attempts will be made to involve them in curb marking efforts. This will only be done on a limited basis due to safety concerns with having children working on busy County roads.</p> <p><i>4th Permit Year: We will continue attempts to use volunteers to assist with storm drain marking. Since there are significant safety risks associated with children applying the markers on the sides of busy County roads, Volunteers will only be used on a very limited and well supervised basis. Also, as described in MCM#1 (under additional techniques), there was a well attended press conference at which the curb marker was</i></p>

	<p><i>affixed to a storm drain as a demonstration. Completed March 2007</i></p> <p><i>The use of volunteers to identify outfalls will no longer be pursued and will be removed from the SWMP. The reasons for this are the following: 1) there are safety concerns regarding promoting volunteers to search the shoreline for outfall pipes and 2) in order to maximize quality control, only trained technicians should conduct the inventory and 3) sufficient trained personnel (eight part-time technicians) have been dedicated to identifying outfalls; this has allowed us to complete the search of all County-owned roads and properties. SWMP amended March 2007</i></p>
<p><i>B.1 Create citizen panel to discuss stormwater issues.</i></p>	<p>A stormwater Citizens Advisory Committee (CAC) was created and is composed of various segments of the population. There are members from the north and south shores as well as the Peconics. Each member brings unique input or skills (e.g., there are seniors, a lawyer, a teacher, a high school student etc.) therefore maximizing its utility. Completed October 2005.</p>
<p><i>B.2 Host panel meetings.</i></p>	<p>The CAC meets quarterly. The agenda, meeting minutes and members list is available on the stormwater website. The purpose of the committee is to provide input on educational outreach efforts of the Stormwater Program. Also, they will assist us in other components of the Program, such as recruiting volunteers, reviewing proposed ordinances, and suggesting good housekeeping practices. This is an ongoing effort.</p>
<p><i>C.1 Public meetings notifications.</i></p>	<p>See MCM#1 A.2, MCM#1 B.2, and permit reference IV.C.2.a, f (below)</p>
<p><i>D.1 Finalize citizen panel recommendations.</i></p>	<p>Recommendations from members of the stormwater CAC are incorporated into the Program as they are received. Most of the outreach materials or project components are discussed with the panel before they are implemented. Examples of how the CAC has already helped is the design of the Program logo (See Appendix 3) and the webpage. This is an ongoing effort which will continue in the next permit year.</p> <p><i>4th Permit Year: The stormwater CAC assisted in the following tasks:</i></p> <ul style="list-style-type: none"> <i>a) reviewed and provided comments on year 3 annual report</i> <i>b) reviewed new additions to the stormwater website, and suggested the creation of additional pages</i> <i>c) provided feedback on some draft education program ideas and a draft radio PSA</i> <i>d) Committee reviewed plans for the Stormwater educational building display at the Suffolk County farm</i> <i>e) Duck (logo) Naming Contest: CAC reviewed submitted duck names sent in by school students and other children and selected the winning name and a list of runner up winners.</i>
<p><i>E.1 Investigate potential Public Service Announcement (PSA)</i></p>	<p>Several possible PSA venues have been investigated. One cost-effective venue will</p>

<p><i>venues.</i></p>	<p>be on the Suffolk County stormwater website. Another possible venue is on local cable television. Cablevision has been contacted and they have indicated that they would be interested in airing PSA's that we produce. Completed in January 2006.</p> <p><i>4th Permit Year: Radio stations have been targeted and will be approached in the final permit year.</i></p>
<p><i>E.2 Establish implementation process.</i></p>	<p>A 30 second video PSA has been produced and is available for download off of the Suffolk County stormwater website. A longer, more detailed video PSA will be created and also placed on the website. We will also work with Cablevision in an attempt to air one or both of the above on local cable.</p> <p><i>4th Permit Year: During the last permit year a radio PSA script for pet waste was created. Script was approved by the CAC with some suggestions. The suggestions were incorporated into the final production in the studio.</i></p>
<p><i>F.1 Involve volunteers in community clean-ups.</i></p>	<p>Suffolk County manages an "Adopt-A-Highway" program where volunteers adopt a stretch of County-maintained road and are responsible for periodic clean-ups. At this point 112 miles of County road are adopted by citizen groups. Volunteers are provided safety training and equipment (vests, signage). This is an ongoing effort that will continue indefinitely.</p> <p>Independent volunteer clean up efforts also take place on County parks throughout the year. Many volunteers clean Suffolk County maintained parks and beaches as part of the American Littoral Society's Coastal Clean-up effort each fall. School groups, environmental associations, businesses, and other volunteer groups independently conduct clean-ups throughout the year and Suffolk County Parks will dispose of the trash collected. At this time the Parks Department does not have an estimate as to the number of clean-ups conducted or trash collected. This is an ongoing effort that will continue indefinitely.</p> <p><i>4th Permit Year: SCDPW has increased its Adopt-a-Highway program sponsorship by 12. 112 sponsors now conduct regular highway litter clean-ups, covering approximately 112 miles of County roads.</i></p>
<p><i>F.2 Coordinate refuse removal.</i></p>	<p>Suffolk County DPW picks up all refuse generated from the Adopt-A-Highway program. Volunteers call and indicate when the litter clean-up will take place, and the DPW will arrange to pick it up and dispose of it properly. This is an ongoing effort that will continue indefinitely.</p>
<p>Permit Reference IV.C.2.a, f: Develop procedures to provide public notice about and access to documents and information in a manner that complies with state and local public notice requirements. <i>Describe procedures below and state the methods used to publicize the AR public presentation.</i></p>	
<p>1) Through the Suffolk County Council of Environmental Quality (CEQ). 100 copies of the annual report are distributed to the CEQ who send it</p>	

<p>to all towns and villages and environmental groups in Suffolk County. The report was outlined and discussed at the April 18, 2007 meeting, which was open to the public (anyone is allowed to attend and ask questions).</p> <p>2) On the Suffolk County stormwater website. The full annual report was posted on the website with available contact information for anyone who had questions and comments.</p> <p>3) The annual report was distributed to the Stormwater CAC. Members reviewed the report and provided valuable comments.</p>		
<p>Permit Reference IV.C.2.e: Public presentation of; f: summary of comments received on; and g: intended response to comments on the SWMPAR.</p>		
<p>Summarize attendance at the public presentation of the Annual Report. Include number of attendees and who was represented: There were approximately 15 attendees at the public presentation of the annual report. Representation included members of the Suffolk County Council of Environmental Quality, Peconic Baykeeper, and the Suffolk County Soil and Water Conservation District.</p>		
<p>Comments on Annual Report Meeting <input type="checkbox"/> No public comments received on Annual Report. <input checked="" type="checkbox"/> Comments received. Attach summary of comments and intended responses. (see APPENDIX 1)</p>	<p>Date of Annual Report Meeting: April 18th, 2007</p>	<p>Approximate Date of Meeting Next Year: March 19th, 2008</p>
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>	
<p><i>Involve the general public in fecal coliform reductions.</i></p>	<p>The general public can play a role in reducing pathogens from County properties in several ways:</p> <ol style="list-style-type: none"> 1) By not feeding the wildlife such as waterfowl. SC will look into putting “don’t feed the wildlife” signage up at parks where it would be thought to be beneficial. 2) By cleaning up after their pets. Some parks have dog waste “stations”. Additional stations will be acquired and installed as needed. <p>The focus of both of the above activities will be at Parks on or near 303d or TMDL waterbodies.</p>	
<p>Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change: <i>The following changes to the SWMP should be noted:</i></p> <ol style="list-style-type: none"> 1) <i>A volunteer outfall identification component has been removed from the SWMP. The reasons for doing so are outlined in MCM#2.A.3</i> 		

Minimum Control Measure 3. Illicit Discharge Detection and Elimination (IDDE)

Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.

<p>Permit Reference IV.C.3.a: Develop, implement and enforce a program to detect, identify and eliminate illicit discharges, including illegal dumping, into the MS4.</p> <ul style="list-style-type: none"> • <i>Explain the activities and procedures used to meet this requirement this year <u>and planned for next year.</u></i> • <i>Revise as <u>procedures are updated.</u></i> • <i>Identify personnel or outside organization conducting the activities</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> • <i>Example measurable goals: number of illicit discharges detected; number of illicit discharges eliminated.</i>
<p><i>A.1 Implement Information management System (IMS).</i></p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>An information management system (IMS) has been created in ArcGIS. The IMS contains layers such as: outfalls, recharge basins, NYS wetlands, County-maintained properties and roads, 303(d) listed waterbodies, Peconic Estuary (PE) TMDL waterbodies, SCDHS water quality data (see MCM#1 A.5), and 2004 aerial photographs. In addition, some of the layers such as the outfalls layer have data associated with it; simply clicking on a point will automatically retrieve photographs and descriptive field data (pipe construction, size, functionality, etc.). The database is updated periodically as new information is collected in the field. The IMS has the ability to be integrated into the existing DPW database which contains digital plans for construction projects among other information. This is an ongoing effort.</p>
<p><i>B.1 Identify municipal recycling programs.</i></p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>The municipal recycling programs for all 10 towns in Suffolk County were identified. The information included addresses of recycling centers, hours of operation, contact phone numbers, and a listing of all pick-up and drop-off accepted materials. Completed in January 2006.</p>
<p><i>B.2 Assist with publicizing recycling programs.</i></p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>For each of the Towns, the above information has been summarized and posted on the Suffolk County Stormwater Management website: (http://www.co.suffolk.ny.us/stormwater/Sub-pages/recycling%20info.htm). In addition there are other pages on the website, such as the sections on household Best Management Practices (BMPs), which further encourage people to recycle. Completed in January 2006.</p>
<p><i>B.3 Encourage municipalities to implement programs if none currently exists.</i></p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>This was not found to be necessary since all towns in Suffolk County have established recycling programs.</p>
<p><i>C.1 Create storm sewer map.</i></p> <p>- Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>The IMS (see MCM#3 A.1) has already been created in Geographic Information Systems (GIS) format. Base files for the IMS were completed in August 2005, updating the IMS will be ongoing through the final permit year.</p>

	<p><i>4th Permit Year. As described in MCM#3.C.2, all outfalls on County roads and properties have been located. In addition, a surveying firm has been contracted to GPS all catch basins on Suffolk County roads. This is 90% complete, with the final 10% to be completed in March/April 2007. The catch basin inventory will be incorporated into the IMS in the final permit year. In addition, field technicians will start to investigate the outfall and catch basin maps to determine how the County structures are interconnected. This will be a long term effort over several years performed by SCDEE employees.</i></p>
<p><i>C.2 Collect information on outfalls and verify locations.</i></p> <p>- Funded by SC, managed by SCDPW, and conducted by SCDPW, SCDEE and CCE.</p>	<p>Existing knowledge of outfalls through various sources (DEC shoreline survey, previous consulting work) has been collected. However, it has been found that existing data is incomplete or inaccurate (limited field verification). Therefore, all County roads and properties are being physically searched by staff for the presence of outfalls. Once located, they are recorded with a sub-meter GPS, the physical construction and condition is noted, they are assessed for the presence of illicit discharges (dry weather flow), and several photographs are taken. All this information is incorporated into the IMS. This is being done by eight part-time technicians.</p> <p><i>4th Permit Year: Currently, 100% of the roads and 100% of the properties have been physically surveyed for outfalls. Integration into the IMS is approximately 75% complete. This is an ongoing effort which will be completed in the final permit year.</i></p>
<p><i>D.1 Identification of illicit discharges.</i></p> <p>- Funded by SC, managed by SCDPW, and conducted by SCDPW, SCDEE and CCE.</p>	<p>Inventoried outfalls are currently being assessed for the presence of illicit discharges. For any outfalls which have dry weather flow, the discharge is analyzed in order to determine if there is an illicit connection. Since coliforms are a priority pollutant, some outfalls with dry weather flow will be run for fecal coliform counts to see if there are high concentrations. If this is found, DNA analysis may be conducted to determine the source of coliforms.</p> <p><i>4th Permit Year: The SWMP will focus outfall monitoring and sampling efforts to the applicable 303d and PE TMDL waterbodies located throughout Suffolk County. All outfalls which discharge into a 303d waterbody will be field visited 3 times to determine if dry weather flows exist. Any discovered dry weather flows will be assessed as described above in order to determine if there is the potential for an illicit discharge. This is an ongoing effort which will be completed in the final permit year.</i></p>
<p><i>E.1 Develop ordinance or regulatory mechanism.</i></p>	<p><i>4th Permit Year: The original plan was to adopt an IDD ordinance by amending the existing Suffolk County Sanitary Code. It has since been determined by members of</i></p>

<p>- Funded by SC, managed by SCDPW, and conducted by SCDPW, SCDEE, SCDHS and CCE.</p>	<p><i>the DPW, DHS, and DEE that it would be more suitable to draft a new Local Law which will get presented to the Suffolk County Legislature. As outlined in the draft law, DEE will be responsible for field investigations (searching for potential illicit discharges). The DHS will be responsible for any necessary monitoring and enforcement.</i></p>
<p><i>E.2 Encourage County Executive and Legislature to approve ordinance.</i></p> <p>- Funded by SC, managed by SCDPW, and conducted by SCDPW, SCDEE, SCDHS and CCE.</p>	<p><i>4th Permit Year: The proposed article is currently being circulated among DPW, DHS, DEE, and Suffolk County legal department staff. Once the draft is finalized, it will be sent to the appropriate parties (attorneys, Legislature, County Executive) with the intent of getting the Local Law approved and passed before 12/2007. This is an ongoing effort which will be completed in the final permit year.</i></p>
<p><i>F.1 Train applicable employees for illicit discharge identification.</i></p> <p>- Funded by SC, managed by SCDPW and SCDHS, and conducted by SCDPW, SCDHS, SCDEE and CCE.</p>	<p><i>4th Permit Year: Several groups of employees have been trained to identify illicit discharges. In the SCDHS, well qualified staff are able to respond to calls from the public regarding potential illicit discharges (see MCM#2.A.2). They are able to conduct site visits, take water quality samples, and run them for pollutants of concern. In addition, CCE has trained field and laboratory technicians to do similar work, including coliform enumeration and if necessary DNA profiling. These technicians are actively seeking illicit discharges at outfalls located on 303d and PE TMDL waterbodies. Additional staff in the SCDEE will be trained by CCE personnel during the final permit year. These personnel are expected to be working on the storm sewer map as described in MCM#3.C.1.</i></p>
<p><i>G.1 Illicit discharge detection and elimination (IDDE).</i></p> <p>- Funded by SC, managed by SCDPW and SCDHS, and conducted by SCDPW, SCDHS, SCDEE and CCE.</p>	<p><i>4th Permit Year: There are several mechanisms by which illicit discharges can be found in Suffolk County-owned roads and properties. As mentioned in MCM#2.A.2 there are trained staff with the SCDHS which handles calls from citizens/volunteers regarding potential illicit discharges to surface waters. Four reports were received in the current permit year, but none were found to have an actual illicit discharge. To enhance these efforts, a more active approach is also currently being conducted by trained staff of CCE. CCE personnel are actively monitoring all County-owned outfalls on 303d and PE TMDL listed waterbodies. Each outfall will be examined 3 times for dry weather flow. Information such as flow volume, color, odor, floatables, deposit, turbidity and vegetative growth has been obtained at all dry weather flow outfalls. Also, if dry weather flow is found, CCE will conduct some basic water quality tests to determine if an illicit discharge exists. Thus far, no illicit discharges have been detected. This is an ongoing effort which will continue in the final permit year.</i></p>
<p><i>H.1 Completion of IDDE.</i></p> <p>- Funded by SC, managed by SCDPW and SCDHS, and conducted by SCDPW, SCDHS and CCE.</p>	<p>The goal is to eliminate 100% of all detected illicit discharges by the end of the permit term. As of yet, no illicit discharges have been located. This is an ongoing effort which will be completed by the end of the final permit year.</p>

<p>Permit Reference IV.C.3.b: Develop and maintain a map showing the location of all outfalls and the names and location of all waters of the US that receive discharges from outfalls. <i>Explain activities performed this year <u>and planned for next year</u>, including work on the following IDDE guidance prerequisites:</i></p> <ul style="list-style-type: none"> • field verification of outfall locations; • mapping all inter-municipal subsurface conveyances; • delineating storm sewershed; and • developing and retaining MS4 mapping as needed to find the source and identify illicit discharges. <i>State if maps are in GIS.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> • <i>Example measurable goals: percent of outfalls mapped</i>
<ul style="list-style-type: none"> • field verification of outfall locations 	<p>See MCM#3 C.2. Since existing plans which may detail outfalls are incomplete or inaccurate, all outfalls are field verified. The GIS maps produced may be cross referenced to digital archives of construction blueprints if it is found to be feasible. All County-owned roads and properties have been searched for outfalls.</p>
<ul style="list-style-type: none"> • mapping all inter-municipal subsurface conveyances 	<p>8 instances of inter-municipal connections which involve Suffolk County have been found. Two (1) are with the Town of Huntington, one (4) are with the Town of Islip, one (1) is with New York State (NYSDOT operated road), one (1) is with the Town of Brookhaven, and one (1) with the Town of East Hampton.</p>
<ul style="list-style-type: none"> • delineating storm sewershed 	<p>The focus of the program is to find, catalog, and observe for dry weather outfall pipes on Suffolk County roads or parcels (See MCM#3 A.1). However, the County did secure funding to contract a surveying firm to find and GPS all the catch basins on County roads completed, see MCM#3.C.1). A field crew in SCDEE will begin investigating and recording structural connections during the final permit year. Considering the geographic extent of the storm sewer system, this is expected to be a multi-year effort.</p>
<ul style="list-style-type: none"> • developing and retaining MS4 mapping as needed to find the source and identify illicit discharges. <i>State if maps are in GIS.</i> 	<p>All maps are in GIS format, all structures are positioned using a sub-meter resolution GPS. The IMS will be stored and integrated into the existing DPW data network, and will be updated as needed during the final permit year.</p>

Minimum Control Measure 3. Illicit Discharge Detection and Elimination (IDDE) Regulatory Mechanism

Permit Reference IV.C.3.c: Prohibit, through an ordinance, local law or other regulatory mechanism, illicit discharges into the MS4. The MS4s have until year 5 to complete the local law work. **See the instructions for information about completing this section.**

Does the MS4 have the legal authority to enact ordinances, local laws or other regulatory mechanisms?	<input checked="" type="checkbox"/> No (go to ADDENDUM 1) <input type="checkbox"/> Yes (complete questions below) While Suffolk County has the legal authority to enact regulatory mechanisms, these mechanisms will only cover illicit connections to County-maintained roads and properties. Through consultation with Carrie Beutow of NYSDEC, we were directed to complete Addendum 1 since Suffolk County is a non-traditional MS4.
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Assessment of Regulatory Mechanism (Local Code)

1) When was this assessment completed or planned to be completed?	Date completed: _____ <input type="checkbox"/> Not yet completed (proceed to next table) Plan to complete for reporting in year: <u> </u> 4; <u> </u> 5.
2) Is there an existing ordinance, local law or other regulatory mechanism?	<input type="checkbox"/> No (go to question 5) <input type="checkbox"/> Yes
3) Does the existing regulatory mechanism prohibit illicit discharges as required by the MS4 Permit?	<input type="checkbox"/> No (amendments needed) <input type="checkbox"/> Yes
4) Does the existing regulatory mechanism include enforcement authorities and procedures as required by the MS4 Permit?	<input type="checkbox"/> No (amendments needed) <input type="checkbox"/> Yes

Development of Regulatory Mechanism (Local Codes)

5) When was this work completed or planned to be completed?	Date completed: _____ <input type="checkbox"/> Not yet completed (proceed to next table) Plan to complete work below for reporting in year: <u> </u> 4; <u> </u> 5.
6) If you answered 'No' to question 1, 2 or 3, what regulatory mechanism or amendments will be adopted to meet the MS4 permit requirements?	<input type="checkbox"/> NYS IDDE Model Law in its entirety <input type="checkbox"/> Selected NYS IDDE Model Law articles adopted as amendments to existing code(s) that are equivalent to the NYS IDDE Model Law <input type="checkbox"/> MS4 will write language equivalent to NYS IDDE Model Law
7) If you answered 'No' to question 1, 2 or 3, has a list of needed changes to local codes been developed for adoption of the regulatory mechanism?	<input type="checkbox"/> No <input type="checkbox"/> Yes, list the local code(s) that will be changed:
8) If the existing regulatory mechanism does not require amendments, what language is in the mechanism?	<input type="checkbox"/> NYS IDDE Model Law in its entirety <input type="checkbox"/> Selected NYS IDDE Model Law articles adopted as amendments to existing code(s) that are equivalent to the NYS IDDE Model Law <input type="checkbox"/> Language equivalent to NYS IDDE Model Law

9) What was the date or is the planned date of local law adoption?	Date:
10) Provide a web address if adopted local law can be found on a web site.	Web Address:

Minimum Control Measure 3. Illicit Discharge Detection and Elimination (IDDE)

Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.

<p>Permit Reference IV.C.3.e: Inform public employees, businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.</p> <ul style="list-style-type: none"> • <i>Explain activities and materials used to meet this requirement this year <u>and planned for next year</u></i> • <i>Identify personnel or outside organization conducting activities</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><i>Inform public employees, businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.</i></p> <p>- Funded by SC, managed by SCDPW and SCDHS, and conducted by SCDPW, SCDHS and CCE.</p>	<p>SCDHS and CCE technicians have been trained on the hazards associated with illicit discharges and improper disposal of waste (with respect to both human and aquatic organisms’ health). Additional staff with the SCDEE who are working on the sewershed mapping will also be trained in the final permit year.</p> <p><i>Since illicit discharges are an important issue, some of the educational outreach efforts have focused on this. For example, the Suffolk County stormwater website describes how to find an illicit discharge, and provides a link to the “report a polluter” program. Also, the website has information such as Best Management Practices (BMPs) on how a homeowner or business can avoid being an illicit discharge, as well as a description of how common illicit discharges can impact the environment. Efforts to inform the public (e.g. educational outreach) will continue through the final permit year.</i></p>
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:</p> <p>The only significant change is the scheduled date for the adoption of an IDDE ordinance. Since the project commenced later than anticipated (funding restrictions) and the DEC’s model ordinances were only released in fall 2005, the proposed Draft Local Law has only recently been completed and is circulating for review. The goal is to have an adopted IDDE ordinance by the end of the final permit year.</p>	

Minimum Control Measure 4 and 5. Construction Site and Post-Construction Stormwater Runoff Control Regulatory Mechanism

Permit Reference IV.C.4.b.i, 5.a.i: Require development and implementation of erosion and sedimentation controls through a local law or other regulatory mechanism. Report on assessment process used (*Stormwater Management Gap Analysis Workbook for Local Officials* or equivalent process). The MS4s have until year 5 to complete the local law work. **See the instructions for information about completing this section.**

Does the MS4 have the legal authority to enact land use ordinances, local laws or other regulatory mechanisms?

No (go to ADDENDUM 2)
 Yes (complete questions below)

While Suffolk County has the legal authority to enact regulatory mechanisms, these mechanisms primarily cover construction/post-construction activities on County-maintained roads and properties. For the majority of construction/post-construction projects that occur in Suffolk County, the Town or Village in which it will occur has the legal authority to approve and regulate the activity. However, there are 3 scenarios in which Suffolk County does have legal authority and/or responsibility.

1) Projects on SC-owned or maintained roads and properties; construction conducted in-house by SC staff. Several documents have been drafted to assist in-house engineers and managers. They include a) an instruction booklet explaining the requirements and how to fill out a NOI and SWPPP b) a template SWPPP which meets all State requirements and would be available to project engineers/managers to fill out and c) a sample SWPPP which will demonstrate how a complete and compliant SWPPP will look. The above documents have been adopted and are currently in use by in-house staff as well as consultants on all affected County projects. New specifications for construction site stormwater runoff control, adapted from the NYS Standards and Specifications for Erosion and Sediment Control, are in use.

2) Projects on SC-owned or maintained roads and properties; construction contracted out to independent contractors. As with the above, responsibility for compliance will be with the engineers or project managers. Therefore, the same documents (instructions, template, and sample SWPPP) are used for projects contracted out. In addition, a short narrative has been drafted that will be inserted into all formal contract documents that are issued for public bid. It will ensure that contractors will be aware of the SWPPP and they must adhere to it as part of the project. Failure to do so can result in breach of contract and can carry various penalties.

For both of the above scenarios, it will typically be up to the project manager to ensure the necessary documents are produced and the regulations are adhered to. To ensure compliance for all County projects which require a Construction Activity Permit (GP-02-01), the Council on Environmental Quality (CEQ) will issue SEQRA approval contingent upon the required preparation of the NOI and SWPPP documents. This will add an extra level of compliance assurance in the rare case that a project manager is unaware of the permit requirements.

	<p>3) <i>Projects under the jurisdiction of a Town or Village, but because of specific parameters requires SC review. Examples of such projects are large subdivisions, projects adjacent to municipal boundaries, or those near airports. Such projects are subject to Suffolk County Planning Commission review. It should be mentioned that the Commission can recommend approval or disapproval of a project, but final determination is made by the Town or Village which had jurisdiction. In order to address the new Phase II requirements, the guidebook which governs the Planning Commissions actions will be changed. An expanded stormwater section which incorporates State requirements has been drafted and is under review. The new language ensures that approval of a project will only be granted if the applicant complies with State requirements (e.g., writing a NOI and SWPPP). The practices will be adopted by the Planning Commission in the final permit year.</i></p> <p><i>Through consultation with Carrie Beutow of NYSDEC, we were directed to complete Addendum 2 since Suffolk County is a non-traditional MS4.</i></p>
Preliminary Assessment of Regulatory Mechanism (Local Code)	
<p>1. When was the preliminary assessment of existing local codes completed or when will it be completed?</p>	<p>Date completed: _____ Not yet completed (proceed to next table) Plan to complete for reporting in year: ___4; ___5. ___ Did not do preliminary assessment; proceeded directly to Gap Analysis Worksheets 1-4 or adopted <i>Sample Local Law for Stormwater Management and Erosion & Sediment Control</i> (Sample Local Law).</p>
<p>2. If preliminary assessment was completed, indicate the results.</p>	<p>___ If none of Sample Local Law provisions appear in local code; consider adopting Sample Local Law or equivalent ___ If few Sample Local Law provisions appear in local code; major revisions needed or consider adopting Sample Local Law or equivalent ___ If most of the Sample Local Law provisions appear in local code; minor revisions needed</p>
Assessment and Development of Regulatory Mechanism (Local Code) (continued on next page)	
<p>3. When was the Gap Analysis or equivalent process completed or when will it be completed?</p>	<p>Date completed: _____ Not yet completed (proceed to next table) Plan to complete work below for reporting in year: ___4; ___5.</p>
<p>4. How was the local code adopted or how will it be adopted*? <i>*If MS4 has some existing local code equivalent to the Sample Local Law and adopted parts of the Sample Local Law as amendments to make a complete local code, check b and c.</i></p>	<p>a. ___ The entire Sample Local Law adopted as amendments to existing code or as stand alone law.</p> <ul style="list-style-type: none"> • If no portions of the Sample Local Law were moved or deleted, all provisions would be exactly the same as the Sample Local Law. • If ANY provisions of the Sample Local Law were moved or deleted, the moved or changed provisions must be reviewed (use the <i>Gap Analysis</i> or equivalent process) to ensure the intent of the law has not been changed. <p>b. ___ Parts of NYS Sample Local Law adopted as amendments to existing code.</p> <p>c. ___ Language developed by municipality was demonstrated to be equivalent.</p>

Minimum Control Measure 4 and 5. Construction Site and Post-Construction Stormwater Runoff Control Regulatory Mechanism

Permit Reference IV.C.4.b.i, 5.a.i (continued)

Assessment and Development of Regulatory Mechanism (Local Code) (continued)

5. Answer the following questions about the Gap Analysis or equivalent processes.

Clauses are defined as: All the Sample Local Law sections or subsections in the Gap Analysis Worksheets 1-4 that have a box in the “Equivalence” column, meaning that there is an associated “Equivalence” sheet (with the exception of Article 6, Section 4 which does not have an Equivalence sheet).

Total number of clauses in each worksheet: Sample Local Law Article 1 (Gap Analysis Worksheet 1) - 8 clauses; Sample Local Law Article 2 (Gap Analysis Worksheet 2) - 51 clauses; Sample Local Law Article 3, 4, 5 (Gap Analysis Worksheet 3) - 3 clauses; Sample Local Law Article 6 (Gap Analysis Worksheet 4) - 9 clauses.

MS4s that adopt the entire Sample Local Law as amendments to existing code or as stand alone law need to indicate the number of clauses being adopted that are exactly the same as the Sample Local Law, or equivalent, in the right-hand column below.

Sample Local Law Articles	NUMBER OF REQUIRED CLAUSES IN LOCAL LAW		
	Existing clauses exactly the same as the Sample Local Law language	Existing clauses equivalent to the Sample Local Law language (see Gap Analysis Workbook Equivalence Sheets for information to help determine equivalence)	Sample Local Law or equivalent language to be adopted , listed as legislative agenda items.
1			
2			
3, 4, 5			
6			
TOTAL			
6. Has a list of needed changes (legislative agenda) been developed for adoption of amendments to local codes (or for deletion of existing codes that are addressed by adoption of a stand alone law)?	<input type="checkbox"/> No <input type="checkbox"/> Yes, list the local codes that will be changed:		
7. What was the date or is planned date of local code adoption?	Date:		
8. Provide a web address if the adopted local law can be found on a web site.	Web Address:		

Minimum Control Measure 4. Construction Site Stormwater Runoff Control

Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.

<p>Permit Reference IV.C.4.b. v: Develop and implement procedures for site plan review by the MS4 that incorporate consideration of potential water quality impacts and review individual pre-construction site plans to ensure consistency with local sediment and erosion control requirements.</p> <ul style="list-style-type: none"> Describe the procedures below. <u>Revise as procedures are updated.</u> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> Example measurable goals: number of plans received; number of plans reviewed; percent of plans received that are reviewed.
<p><i>Site Plan Review</i></p>	<p>This section is not applicable to Suffolk County. Site plan reviews for residential or commercial developments are submitted to the responsible town, village, and/or homeowners association. One or several of the above municipalities are responsible for incorporating water quality goals, reviewing site plans, and enforcing violations. Suffolk County only has legal jurisdiction over construction activities which occur on County-maintained roads and properties. Contractors hired to perform work for these activities are regulated through bid specifications and work contracts, and Suffolk County has qualified engineers to review the site plans and conduct inspections to ensure that BMPs are utilized appropriately (see MCM#4 B.2).</p>
<p>Permit Reference IV.C.4.b. vi: Develop and implement procedures for the receipt and consideration of information submitted by the public.</p> <ul style="list-style-type: none"> Explain the procedures below. <u>Revise as procedures are updated.</u> Identify the responsible personnel or outside organizations. 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><i>Public information and comments regarding projects on Suffolk County-maintained roads and properties.</i></p> <p>-managed and conducted by SCDPW</p>	<p>As above, Suffolk County does not legally oversee residential and commercial construction projects; comments associated with the projects are directed to the responsible town, village, or homeowners association. For public information received concerning County projects on County-maintained roads and properties, queries are responded to by the SCDPW engineer responsible for the project. In addition, once the IMS is integrated into the existing SCDPW database, public information or comments may be stored with their respective projects and SWPPPs (See MCM#4 B.1). In some projects, such as those utilizing Federal dollars and those that require public hearings, there are active efforts to reach out to the public for comments.</p>

Minimum Control Measure 4. Construction Site Stormwater Runoff Control

Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.

<p>Permit Reference IV.C.4.b. iii, vii: Develop and implement procedures for site inspections, enforcement of control measures and sanctions to ensure compliance with GP-02-02.</p> <ul style="list-style-type: none"> Describe each procedure below. <u>Revise as procedures are updated.</u> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> Example measurable goals are number of: inspections; fines assessed; stop work orders; other sanctions.
<p><i>Inspections (County-maintained roads and properties):</i> -managed and conducted by SCDPW</p>	<p>See MCM#4 B.2 below (under additional techniques).</p>
<p><i>Enforcement (County-maintained roads and properties):</i> -managed and conducted by SCDPW</p>	<p>When inspections reveal deficiencies in runoff control BMPs, the Contractor is always willing to correct them without incident.</p>
<p><i>Sanctions (County-maintained roads and properties):</i> -managed and conducted by SCDPW</p>	<p>The most effective sanction is withholding of payment to contractors. All construction projects under County jurisdiction occur on County-maintained roads or properties. SC projects conducted by contractors must adhere to the bid specifications and work contract. These documents have language which clearly states the requirement to adhere to the SWPPP. Failure to adhere to the above documents would allow the County to take corrective action, such as withholding payment, but to date this has not been necessary.</p>
<p>Permit Reference IV.C.4.b. viii: Educate and train construction site operators about requirements to develop and implement a SWPPP and any other requirements they must meet within the MS4s jurisdiction.</p> <ul style="list-style-type: none"> Explain the activities and materials used to meet this requirement. Identify the personnel or outside organization conducting this activity. Indicate activities planned for next year. 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><i>Educate and train construction site operators regarding SWPPP's</i></p>	<p><i>For construction projects one acre or greater on County-maintained roads and properties, SWPPP's are prepared either by SCDPW engineers, on in-house projects, or by consultants on contracted projects. The project manager and resident engineer will be responsible for implementing and ensuring the contractor adheres to the SWPPP. In the final permit year all applicable SCDPW engineers and project managers will be trained on how to properly develop and implement a SWPPP. This will ensure that whenever possible State approved BMP's will be selected (as per NYS Standards and Specifications for Sediment and Erosion Control and the NYS Stormwater Management Design Manual). Bid specifications will also be reviewed and amended per DEC requirements, making proper SWPPP implementation a component of all</i></p>

	<i>applicable contracts. See initial section in the first MCM#4and5 table.</i>
Additional Techniques <ul style="list-style-type: none"> • <i>Explain the activities and materials used to meet this requirement.</i> • <i>Identify the personnel or outside organization conducting this activity.</i> 	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<i>A.1 Establish water quality benchmarks.</i> - Suffolk County Department of Health Services (SCDHS)	Suffolk County currently conducts an extremely comprehensive water quality monitoring program. The program has been in existence for many years, and currently monitors over 100 stations at various times throughout the year. This longstanding dataset can serve as a benchmark for future water quality comparisons. Completed in May 2005.
<i>B.1 IMS to track public information and staff inspections.</i> - Funded by SC, managed by SCDPW, and conducted by SCDPW and CCE.	An information management (IMS) system has been created in ArcGIS. The IMS contains layers such as: outfalls, recharge basins, NYS wetlands, County-maintained properties and roads, 303(d) listed waterbodies, SCDHS water quality data and 2004 aerial photographs (see MCM#3 A.1). In final permit year, the IMS will be integrated into the existing SCDPW database which contains digital plans for construction projects among other valuable information. Once this is done, it will be possible to link digital copies of site inspections, compliance certifications, discharge reports, and approved SWPPP documents for regulated construction activities. The IMS will also be used to track public information or comments regarding specific projects (e.g., those requiring a SWPPP). This is an ongoing effort.
<i>B.2 Develop site inspection procedures.</i> - Suffolk County Department of Public Works (SCDPW)	Suffolk County has site inspection procedures for construction projects greater or equal to 1 acre, which require the contractor and resident engineer to inspect the site: prior to a forecast storm, after a rain event that causes runoff from the construction site, at 24 hour intervals during extended rain events, and every two weeks during non-rainy periods. In addition, the SCDPW has qualified resident engineers to conduct periodic inspections to ensure that stormwater runoff and erosion and sediment control BMP's are in place and functioning as intended. If these BMPs are not functioning as intended, the contractor is required to repair and/or replace the BMPs pursuant to the contract specification. Completed March 2004."
<i>C.1 Develop ordinance or regulatory mechanism.</i>	As directed by NYSDEC staff, Suffolk County is a non-traditional MS4 and is not required to complete the Gap Analysis (construction ordinance) since it is of limited relevance. Alternatively, SC has several initiatives to address projects within their jurisdiction. See initial section in the first MCM#4and5 table
<i>D.1 Implementation of inspection program.</i>	The inspection program has been implemented (as indicated by the procedures outlined in MCM#4 B.2, (additional techniques) and is currently in place.

-Managed and conducted by SCDPW	Completed March 2004.
<p><i>D.2 Fully implemented inspection program.</i></p> <p>- Managed and conducted by SCDPW</p>	<p><i>Existing procedures, Best Management Practices (BMPs), and checklists will be compared to the New York Standards and Specifications for Erosion and Sediment Control (NYSSDESC) to ensure that the most up to date standards are being applied (final permit year). Any discrepancies between existing practices and the NYSSDESC will be addressed in the final permit year. This is an ongoing effort.</i></p>
<p><i>E.1 Staff training.</i></p> <p>- Managed and conducted by SCDPW</p>	<p><i>Staff and management are currently trained and adhere to BMPs outlined in the New York Contractors Erosion and Sediment Control Field Notebook (ESCFN). Staff responsible for conducting site inspections currently utilizes the ESCFN as a guidance document. In the final permit year, efforts will be made to train staff on the more comprehensive standards as per the NYSSDESC. This is an ongoing effort.</i></p>
<p><i>E.2 Fully implemented staff training.</i></p>	<p>As per the NOI, not scheduled for implementation until a later permit year.</p>
<p><i>F.1 Identify areas of water quality improvement.</i></p>	<p><i>To be removed from SWMP. This has been found to be an unrealistic goal given the nature of Suffolk County's status as a non-traditional MS4. Typically with a particular waterbody (e.g., one on the 303d list), the surrounding MS4 will have legal jurisdiction over the majority of the shoreline. Therefore, comprehensive efforts can be conducted on the waterbody which can result in measurable improvements in water quality. Suffolk County, on the other hand, typically only has legal jurisdiction over a very small percentage of the watershed. Even if 100% of stormwater was remediated on SC parcel; since it is often a negligible percentage of the watershed there may be no measurable improvements to water quality.</i></p>
<p><i>F.2 Identify problems in non-improved areas.</i></p>	<p><i>To be removed from SWMP. See section MCM#4.F.1</i></p>
<p><i>G Maximum compliance through inspections.</i></p>	<p>As per the NOI, not scheduled for implementation until a later permit year.</p>
<p>Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:</p> <p><i>Additional techniques F.1 and F.2 have been removed from the SWMP. They have been found to be inappropriate goals because Suffolk County does not have legal authority over the majority of the various watersheds.</i></p>	

Minimum Control Measure 5. Post-Construction Stormwater Management

Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.

<p>Permit Reference IV.C.5.a, c. Develop and implement a post-construction stormwater management program that addresses stormwater runoff from new development and redevelopment and will reduce the discharge of pollutants to the MEP. Program requirements should include:</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • A combination of structural and/or non-structural management practices. • <i>Identify and describe below procedures to ensure installation of post-construction management practices. <u>Revise as procedures are updated.</u></i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
	<p>Staff are currently trained and adhere to BMPs outlined in the New York Contractors Erosion and Sediment Control Field Notebook (ESCFN). Staff responsible for conducting site inspections currently utilizes the ESCFN as a guidance document. In the next permit year, efforts will be made to train staff on the more comprehensive standards as per the New York State Stormwater Management Design Manual. This will be completed in the final permit year.</p>
<ul style="list-style-type: none"> • Procedures for site plan and SWPPP review to ensure SWMPs meet state standards. • <i>Describe procedures below. <u>Revise as procedures are updated.</u></i> 	<ul style="list-style-type: none"> • <i>Example measurable goals include: number of plans received; number of plans reviewed; percent of plans received that are reviewed.</i>
	<p>This section is not applicable to Suffolk County. Site plan and SWPPP reviews for residential or commercial developments are submitted to the responsible town, village, and/or homeowners association. One or several of the above municipalities are responsible for incorporating water quality impacts, reviewing plans, and enforcing violations.</p> <p>Suffolk County is only legally responsible for construction activities which occur on County-maintained roads and properties. Contractors hired to perform work on County roads or properties are closely regulated through bid specifications and work contracts, and Suffolk County has qualified engineers to review the site plans and conduct inspections to minimize the impacts of stormwater runoff (see MCM#4 B2). Necessary SWPPP's are developed by qualified and trained SCDPW staff. See initial section in the first MCM#4and5 table.</p> <p><i>In order to reduce stormwater runoff and the impacts of pollutants such as coliforms, SC resident engineers reviewing site plans will ensure that impervious surfaces are kept at a minimum and the maximum amount of vegetation is kept intact.</i></p>

Minimum Control Measure 5. Post-Construction Stormwater Management

Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.

<p>Permit Reference IV.C.5.a, c. (continued): Develop and implement a post-construction stormwater management program that addresses stormwater runoff from new development and redevelopment and will reduce the discharge of pollutants to the MEP. Program requirements should include:</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • Procedures for inspection and maintenance of post-construction management practices. • <i>Explain procedures below. Revise as procedures are updated.</i> 	<ul style="list-style-type: none"> • <i>Example measurable goals are number of: inspections maintenance activities performed.</i>
	<p>As indicated in the bid specifications, contractors must adopt a number of post construction BMPs. The SCDPW engineer in charge of the particular project is qualified and trained to ensure the BMPs are being incorporated accordingly. In some cases, the SCDPW will return to the site to maintain a BMP, such as the cleaning of BMP structures, recharge basins and/or settling ponds.</p>
<ul style="list-style-type: none"> • Procedures for enforcement and penalization of violators. • <i>Explain procedures below. Revise as procedures are updated.</i> 	<ul style="list-style-type: none"> • <i>Example measurable goals: number enforcement activities performed.</i>
	<p>The most effective sanction is withholding of payment to contractors. All construction projects under County jurisdiction occur on County-maintained roads or properties. These projects are conducted by contractors which must adhere to the bid specifications and work contract (both of which have mandatory stormwater BMPs). Failure to adhere to the above documents would allow the County to withhold payment, but this has not been necessary. To date, there has been no need for enforcement and/or penalization due to the cooperative nature of the typical contractor.</p>

Minimum Control Measure 5. Post-Construction Stormwater Management

Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.

<p>Permit Reference IV.C.5.a, c. (continued): Develop and implement a post-construction stormwater management program that addresses stormwater runoff from new development and redevelopment and will reduce the discharge of pollutants to the MEP. Program requirements should include:</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • Adequate resources for a program to inspect new and re-development sites and for enforcement and penalization of violators. • <i>Describe resources below. Update annually.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
	<p>This is not applicable to Suffolk County, such activity falls under the jurisdiction of towns, villages, or homeowners associations.</p>
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><i>A.1 Identification of approved BMPs</i></p> <p>- Managed and conducted by SCDPW</p>	<p>Staff are currently trained and adhere to BMPs outlined in the New York Contractors Erosion and Sediment Control Field Notebook (ESCFN) on Suffolk County construction projects where applicable. Staff responsible for drawing site plans and conducting site inspections utilize the ESCFN as a guidance document. In the next permit year, efforts will be made to train field staff on the more comprehensive standards as per the New York State Stormwater Management Design Manual. This is an ongoing effort.</p>
<p><i>B.1 Codify the BMPs</i></p> <p>- Managed and conducted by SCDPW with assistance from CCE.</p>	<p>Template and sample SWPPP's have been developed as described in the first table for MCM# 4 and 5 (page 23). These documents are used for projects conducted by SCDPW staff, as well as projects contracted out to independent businesses. Along with these documents, applicable staff will be provided a list of State-approved BMP's to choose from. This will ensure that whenever possible, proper BMP's are being incorporated into projects.</p>
<p><i>C.1 Determine effectiveness of BMPs</i></p>	<p>As per the NOI, not scheduled for implementation until a later permit year. However, several site investigations of recently constructed BMP's suggest that they are working as designed.</p>
<p>Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:</p>	

Minimum Control Measure 6. Pollution Prevention/Good Housekeeping for Municipal Operations

OVERALL MUNICIPAL POLLUTION PREVENTION / GOOD HOUSEKEEPING PROGRAM INFORMATION

<ul style="list-style-type: none"> • This table is for MS4s to report on their OVERALL Municipal Pollution Prevention / Good Housekeeping Program. • A separate table follows that is for MS4s to report on management practices performed in identified municipal operations. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
Permit Reference IV.C.6.a: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<ul style="list-style-type: none"> • <i>List pollutants that will be addressed by the municipal pollution prevention program.</i> 	
Bacteria Soil and Sediment Floatable Debris Phosphorus/Nitrogen Oil and Grease Pesticides/Fertilizers Road Salt	
<ul style="list-style-type: none"> • <i>Set and describe pollution prevention priorities by geographic areas, municipal operation type, and facilities.</i> 	DO NOT ENTER INFORMATION IN THIS CELL
Pollution Prevention Priority (PPP) 1. Incorporate existing street and catch basin cleaning and maintenance schedules on all County-maintained roads into an IMS (see MCM#3.A.1).	A priority of the plan is to integrate an existing database of cleaned and maintained structures and roads into the IMS (see MCM#3 A.1) and if necessary, improve existing schedules for cleaning and maintenance. This will be completed in the final permit year, however, due to the extent and size of the existing database this goal may take slightly longer.
Pollution Prevention Priority (PPP) 2. Reduce bacterial loadings from County-maintained facilities.	<i>The majority of surface waters listed on the 303(d) Impaired Waterbodies list have pathogens listed as the pollutant of concern. We have begun to implement the plan through an initial focus to reduce bacteria on County Parks that border on PWL waterbodies including those along the Peconic Estuary. Methods to reduce pet-waste and water foul at County Parks may include: increase the number of pet-waste stations, signage to not feed birds and wildlife, and information on the stormwater website. In addition, we have developed a training program for all DPW staff that includes proper maintenance of street cleaners and storm drain maintenance. Implementation of this plan will be in the final permit year and will be ongoing effort.</i>
Pollution Prevention Priority (PPP) 3. Ensure all salt for winter road de-icing is stored indoors at all County-maintained facilities.	There are seven (7) indoor salt storage facilities and two (2) outdoor facilities (temporarily covered with tarps). <i>The County has obtained funding for the construction of a new storage building at one of the outdoor facilities which will be constructed by late 2007. Environmental approvals have been obtained for the other outdoor</i>

	<i>facility; however construction is not slated to begin until 2009.</i>
Pollution Prevention Priority (PPP) 4. Recommend a recycling program be implemented at all County-maintained facilities.	<i>County facilities recycle various products such as oils (fleet maintenance), cleaning solutions, and chemicals. With respect to materials generated in offices (paper, plastic, glass), the SCDEE is currently doing a feasibility study to determine if a program can be initiated.</i>
Pollution Prevention Priority (PPP) 5. Provide information on stormwater management goals to Suffolk County employees.	<i>A good housekeeping questionnaire that was based upon the NYSDEC Municipal Pollution Prevention and Good Housekeeping Assistance Document guidelines was developed for SCDPW worksite managers to evaluate their good housekeeping practices. We have further developed a stormwater training presentation for DPW road maintenance staff. Site inspections and staff training will continue in the final permit year. We also intend to develop and implement a similar training program for SC Parks in the final permit year.</i>
Pollution Prevention Priority (PPP) 6. Recommend that Suffolk County DPW purchase a truck wash system with a recovery system for used wash water.	The DPW is requesting funding for a new truck wash system that will minimize the amount of outdoor washing of County-maintained trucks, including salt spreading vehicles, which will reduce the amount of pollutants of concern originating from this source. The DPW has requested funds for this project.
Permit Reference IV.C.6.a: Include a municipal pollution prevention training component for staff (where all staff are trained). <ul style="list-style-type: none"> • <i>Explain activities and materials used to meet this requirement.</i> • <i>Identify training needs and design training components</i> • <i>Determine the adequacy and appropriate frequency of staff training.</i> • <i>Identify personnel or outside organization conducting activities.</i> 	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<i>B.1. Compile employee training materials</i> -Funded by SC, managed by SCDPW, and contracted to CCE.	<i>We have researched training strategies and resources and developed our own training presentation materials for DPW road maintenance staff. We will modify the training materials for SC Parks in the next permit year. Completed January 2007.</i>
<i>D.1. Train applicable employees</i> -Funded by SC, managed by SCDPW, and contracted to CCE.	<i>We have completed the development of our training curricula for SCDPW road maintenance staff and training will be completed in this permit year.</i>
Additional Techniques	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)

<p><i>A.1. Develop pollution prevention plan</i></p> <p>-Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>Information gathering for the development of pollution prevention procedures and best management practices is ongoing. Key departments that will be affected by a pollution prevention plan have provided information on current best management practices, rules and regulations, and training at their facilities including the SCDPW, SC Parks, SCDHS and SCDEE. Priorities for the plan were determined based on this information and will be the basis of the pollution prevention plan which is scheduled for completion by the final permit year.</p>
<p><i>C.1. Create information management system</i></p> <p>-Funded by SC, managed by SCDPW, and contracted to CCE.</p>	<p>An IMS has been developed and is updated at least once a month (See MCM#3.A.1.) Expanding the existing IMS to include pollution prevention activities (e.g., maintenance) is planned by the final permit year.</p>
<p><i>E.1. Incorporate BMPs in County master plan</i></p>	<p>Pollution prevention BMPs are being developed and will be incorporated into a final document that will be distributed to all applicable staff.</p>
<p><i>F.1. Implement maintenance schedule</i></p>	<p>Current maintenance records and schedules will be integrated into the IMS by the final permit year. See “Street and Bridge Maintenance” and “Stormwater Structure Maintenance” sections.</p>
<p><i>G.1. Document maintenance efforts</i></p>	<p>Migration of the existing maintenance database to a more advanced and user friendly database is planned for the final permit year. The current “hard-copy” database documents ongoing maintenance efforts.</p>
<p><i>G.2. Document overall maintenance compliance</i></p>	<p>Some maintenance compliance will be reported in the next permit year as the integration of maintenance schedules into the IMS begins. Overall maintenance compliance will be reported in the final permit year.</p>
<p><i>H.1. Document noticeable pollution reductions</i></p>	<p><i>To be removed from SWMP. This has been found to be an unrealistic goal given the nature of Suffolk County’s status as a non-traditional MS4. Typically with a particular waterbody (e.g., one on the 303d list), the surrounding MS4 will have legal jurisdiction over the majority of the shoreline. Therefore, comprehensive efforts can be conducted on the waterbody which can result in measurable improvements in water quality. Suffolk County, on the other hand, typically only has legal jurisdiction over a very small percentage of the watershed. Even if 100% of stormwater was remediated on SC parcel; since it is often a negligible percentage of the watershed there will be no measurable improvements to water quality.</i></p>

Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:

Additional technique H.1. will be removed from the SWMP. They have been found to be inappropriate goals because Suffolk County does not have legal authority over the majority of the various watersheds.

Minimum Control Measure 6. Municipal Operations: X Street and Bridge Maintenance; ___ Winter Road Maintenance; ___ Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; ___ Park and Open Space Maintenance; ___ Municipal Building Maintenance; ___ Solid Waste Management; ___ Other: _____

<ul style="list-style-type: none"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities. 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • Briefly describe or reference any existing policies and procedures • Briefly describe or reference any policies and procedures being developed 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><i>Existing:</i> County-maintained roads and bridges are swept at least once a year in April. They will also be swept in response to citizen complaints and noticeable problems reported by DPW employees and field managers.</p> <p>This scheduled sweeping in April and additional follow up sweeping reduces the amount of soil and sediment, floatable debris, salt and other stormwater pollution that reaches the stormwater conveyance system from these sources. In addition, removing debris will also likely result in the removal of associated bacteria, thus reducing bacterial loading to surface waters (Pollution Prevention Priority (PPP) 2). See first table of MCM#6 for details on Pollution Prevention Priorities.</p>	<p><i>Approximately 3000 cubic yards of debris were removed from County-maintained roads and parking lots last year. Completed.</i></p>
<p><i>Existing:</i> All County-maintained parking lots are cleaned at least once a year. The County also maintains five (5) "park and ride" lots, which have been identified as problem areas for littering. As a result, they are cleaned at least three (3) times each year in the spring, summer and fall.</p> <p>This scheduled parking lot sweeping reduces the amount of soil and sediment, floatable debris, salt and other stormwater pollution that reaches the stormwater conveyance system and surface waters (PPP 3). The policy of cleaning problem areas more frequently maximizes the removal of pollutants. In addition, removing debris will also likely result in the removal of associated bacteria, thus reducing bacterial loading to surface waters (PPP 2).</p>	<p><i>Approximately 3000 cubic yards of debris were removed from County-maintained roads and parking lots (including park and ride lots) last year. Completed.</i></p>

<p><i>Existing:</i> A database is maintained that keeps track of which roads and parking lots are cleaned and when, as well as any complaints that are received.</p> <p>The existing complaint database allows for the DPW to prioritize roads and parking lots for cleaning that have the highest need. Responding to these complaints removes debris from roads and parking lots, reducing the amount of soil and sediment, floatable debris and other stormwater pollution that reaches the stormwater conveyance system and surface waters.</p>	<p><i>Completed.</i></p>
<p><i>Planned:</i> Integrate existing cleaning records for County-maintained parking lots and roads, as well as the complaint database, into the IMS (MCM#3.A.1.) that has been developed. Use this information as needed to complement the existing schedule for road and parking lot maintenance.</p> <p>A preventative maintenance schedule for road and parking lot maintenance exists (PPP 1; or pollution prevention priority #1), but incorporation into the IMS may flag problem areas, which will focus cleaning efforts to those areas. This could reduce the amount of stormwater pollution (soil and sediment, floatable debris, salt, and others) from these sources and the amount of complaints received.</p>	<p>Expanding the existing IMS to include the existing maintenance schedules for County roads and parking lots is planned by the final permit year, however, due to the extent and size of the existing database this process may extend past the final permit year.</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><i>Existing:</i> County road litter clean-up by DPW employees on road medians and shoulders takes place on a daily basis.</p> <p>This BMP reduces the amount of floatable debris that reaches the stormwater conveyance system and surface waters.</p>	<p>This is an ongoing effort that will continue indefinitely.</p>
<ul style="list-style-type: none"> • <i>Identify and describe the equipment and staff that are in place</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>Suffolk County owns four (4) street sweeper vehicles, two (2) additional vehicles were purchased and delivery is expected by the end of 2007.</p>	<p>Two (2) new street sweepers were purchased in 2007.</p>

Minimum Control Measure 6. Municipal Operations: X Street and Bridge Maintenance; ___ Winter Road Maintenance;
___ Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; ___ Park and Open Space Maintenance; ___ Municipal Building Maintenance;
___ Solid Waste Management; ___ Other: _____

<ul style="list-style-type: none"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
Permit Reference IV.C.6.a, c (continued): Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	DO NOT ENTER INFORMATION IN THIS CELL
Existing County-maintained parking lot, bridge, and road cleaning schedules reduce the amount of stormwater pollution reaching the stormwater conveyance system and surface waters from these sources.	Expanding the existing IMS to include this maintenance schedule is planned by the final permit year.
The purchase of two additional street sweeping vehicles will allow for a more successful preventative cleaning and maintenance program.	DPW expects delivery of sweepers by late 2007.
Existing County road litter clean-up adequately reduces and prevents pollutant discharges. Additional assistance from the County's Adopt-A-Highway Program (MCM#2.F.1.) complements the effort and new volunteers are continually recruited through the DPW's website and roadside sign program.	This is an ongoing task that will continue indefinitely.
Permit Reference IV.C.6.a: If there is a training component for staff specific to these municipal operations: <ul style="list-style-type: none"> • <i>explain the activities and materials;</i> • <i>identify the personnel or outside organization conducting the activities.</i> 	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
Additional Techniques	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:	

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; **X** **Winter Road Maintenance;**
___ Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; ___ Park and Open Space Maintenance; ___ Municipal Building Maintenance;
___ Solid Waste Management; ___ Other: _____

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<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities. 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • Briefly describe or reference any existing policies and procedures • Briefly describe or reference any policies and procedures being developed 	DO NOT ENTER INFORMATION IN THIS CELL
<ul style="list-style-type: none"> • Briefly describe or reference any existing best management practices • Briefly describe or reference any planned best management practices 	DO NOT ENTER INFORMATION IN THIS CELL
<p><i>Existing:</i> DPW has seven indoor salt storage facilities.</p> <p>Keeping road salt contained within covered storage facilities is a recognized best management practice that decreases the likelihood of road salt entering surface waters from Suffolk County-maintained properties (PPP 3).</p>	Completed.
<p><i>Existing:</i> Suffolk County has a research and development program that has experimented with alternative de-icing materials. One alternative that has been tested is Magic-O™. Magic-O™ is a salt/molasses mixture, which claims to lower the freezing point and adhere to the road surface, while minimizing the impact to the environment.</p> <p>The ongoing search for an alternative de-icing material shows the County's commitment to reducing surface water pollution from road salt.</p>	This is an ongoing task that will continue indefinitely.
<p><i>Existing:</i> Road salt storage structures are inspected annually for structural integrity. An existing capital program is dedicated to providing funds for any repairs that are necessary.</p> <p>Inspecting these facilities for leaks and repairing them on an annual basis reduces the amount of road salt that reaches surface waters.</p>	This is an ongoing task that will continue indefinitely.

<p><i>Existing:</i> Salt spreading vehicles are inspected prior to each winter to ensure that they are calibrated correctly and are in working order to reduce expenses and impacts to the environment.</p> <p>Annual inspections reduce the likelihood of over application of road salt, reducing the likelihood of spills that would eventually reach stormwater conveyance systems and surface waters.</p>	<p>This is an ongoing task that will continue indefinitely.</p>
<p><i>Planned:</i> DPW has secured funding to convert one of the two remaining outdoor salt storage facilities to an indoor facility. Plans to convert the last remaining outdoor facility to an indoor one is in the planning stage and is slated to be constructed after the final permit year.</p> <p>Plans to convert the two remaining outdoor facilities to indoor facilities will further decrease the likelihood of road salt intrusion to surface waters from these Suffolk County-maintained properties.</p>	<p>One facility conversion is under design and is anticipated to be complete by late 2007. Requests for funding have been made by DPW for the final outdoor facility.</p>
<ul style="list-style-type: none"> • <i>Identify and describe the equipment and staff that are in place</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>Suffolk County owns sixty (60) vehicles with salt spreading units.</p>	<p>The County is purchasing ten (10) new units in 2006/2007, these will serve as replacements for older vehicles and will not increase the fleet.</p>

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; X **Winter Road Maintenance;**
___ Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; ___ Park and Open Space Maintenance; ___ Municipal Building Maintenance;
___ Solid Waste Management; ___ Other: _____

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Permit Reference IV.C.6.a, c (continued): Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	DO NOT ENTER INFORMATION IN THIS CELL
There are two remaining road salt storage facilities located outdoors. If funding to construct indoor facilities is received, the potential for infiltration of road salt to stormwater and surface waters will be adequately reduced and/or prevented.	One facility conversion is under design and is anticipated to be complete by late 2007. Requests for funding have been made by DPW for the final outdoor facility.
Research and development is underway to determine a better alternative to road salt for de-icing. This a progressive means for the County to find alternatives that will minimize this source of stormwater pollution.	This is an ongoing task that will continue indefinitely.
Annual inspections of salt storage facilities and spreading trucks are a preventative maintenance procedure to reduce the likelihood of spills and stormwater infiltration, and adequately reduce pollutant discharges.	This is an ongoing task that will continue indefinitely.
Stormwater pollution infiltration may be further minimized by implementing routine grounds cleaning and inspection procedures to properly dispose of any road salt that may be spilled.	<i>A questionnaire for facilities managers has been developed to assess the feasibility of this program. This will be accomplished in the next permit year.</i>
Permit Reference IV.C.6.a: If there is a training component for staff specific to these municipal operations: <ul style="list-style-type: none"> • <i>explain the activities and materials;</i> • <i>identify the personnel or outside organization conducting the activities.</i> 	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
Staff are currently trained by Cornell Local Roads Program "Snow Fighter" video. This training may be supplemented by providing relevant County employees with spill prevention and response training. Training will be developed or outsourced by CCE.	A good housekeeping questionnaire that was based upon the NYSDEC Municipal Pollution Prevention and Good Housekeeping Assistance Document guidelines was developed for SC DPW worksite managers to evaluate their good housekeeping practices. We have further developed a stormwater training presentation for DPW road maintenance staff. Site inspections and staff training will continue in the next permit year.

Additional Techniques	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:	

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; ___ Winter Road Maintenance;
___ **X** **Stormwater System Maintenance;** ___ Vehicle and Fleet Maintenance; ___ Park and Open Space Maintenance; ___ Municipal Building Maintenance;
___ Solid Waste Management; ___ Other: _____

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<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities. 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • Briefly describe or reference any existing policies and procedures • Briefly describe or reference any policies and procedures being developed 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><i>Existing:</i> County-maintained catch basins, stormwater conveyance systems, and outfalls are currently prioritized for cleaning:</p> <ul style="list-style-type: none"> • When a contractor is repairing an existing County property or conducting improvements to roads they clean all catch basins and stormwater conveyance systems in the surrounding area, • When DPW road field managers notice any system malfunctions, • In response to complaints, and • In response to inspections that are done by the DPW water quality field team workers (currently working to identify all outfalls from County roads per the Illicit Discharge Detection and Elimination requirement of Phase II). <p>This current cleaning procedure reduces the amount of soil and sediment, floatable debris, salt and other stormwater pollution that reaches Suffolk waterbodies from these sources. In addition, removing debris will also likely result in the removal of associated bacteria, thus reducing bacterial loading to surface waters (PPP 2).</p>	<p>Estimated removal from stormwater structures in 2007 = 405 cubic yards. Ongoing.</p>
<p><i>Existing:</i> A database is maintained that keeps track of which catch basins, stormwater conveyance systems, outfalls, and recharge basins are cleaned as well as any complaints that are received.</p> <p>The existing complaint database allows for the DPW to prioritize stormwater structures for cleaning that have the highest need. Responding to these</p>	<p>Completed.</p>

<p>complaints and failures witnessed by DPW employees removes debris from stormwater structures, reducing the amount of soil and sediment, floatable debris and other stormwater pollution that reaches the stormwater conveyance system and surface waters. In addition, removing debris will also likely result in the removal of associated bacteria, thus reducing bacterial loading to surface waters (PPP 2).</p>	
<p><i>Planned:</i> Integrate existing database of cleaned County-maintained stormwater structures, as well as the complaint database, into the IMS (MCM#3.A.1.) that has been developed. Use this information to prioritize areas for maintenance as needed.</p> <p>Prioritizing stormwater structures for maintenance will likely reduce the amount of stormwater pollution (soil and sediment, floatable debris, salt, and others) from these sources and the amount of complaints received (PPP 1). In addition, removing debris will also likely result in the removal of associated bacteria, thus reducing bacterial loading to surface waters (PPP 2).</p>	<p>Expanding and upgrading the existing IMS to include current maintenance reporting and complaints is planned by the final permit year.</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The SCDEE Water Quality Division and SCDPW has completed, is constructing, and has proposed several highway projects that implement BMPs to reduce stormwater pollutant loading to the stormwater conveyance system and surface waters.</p> <p>See Appendix 2 for project descriptions and implemented BMPs which include installation of stormwater treatment units, diversion of direct surface water discharges to recharge basins and leaching basins, and construction of stormwater treatment ponds.</p>	<p><i>Suffolk County has invested a tremendous amount of resources into remediating known direct discharges to waterbodies (see Appendix 2). Projects are spread around the County, and whenever possible they involve priority areas such as 303d waterbodies. Many of these projects will likely result in a reduction of coliform inputs, our priority pollutant.</i></p> <p><i><u>Current Projects:</u> There are currently 7 remediation efforts underway with a total project cost of over 4.1 million dollars. It should be noted that 4 of these projects are remediating ultimate discharges into 303d waterbodies. In addition, 2 of the 303d projects feed into a Peconic Estuary TMDL.</i></p> <p><i><u>Planned Projects:</u> There are currently 3 remediation efforts in the planning phase at an approximate cost of over 1.3 million dollars. All 3 projects involve discharges into 303d waterbodies.</i></p>
<ul style="list-style-type: none"> • <i>Identify and describe the equipment and staff that are in place</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The County currently owns two (2) vacuum cleaners for catch basin maintenance and one (1) clam shell cleaner for recharge basin maintenance.</p>	<p>Three additional vacuum cleaners have been purchased and are expected to be delivered by late 2007.</p>

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; ___ Winter Road Maintenance;
X Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; ___ Park and Open Space Maintenance; ___ Municipal Building Maintenance;
___ Solid Waste Management; ___ Other: _____

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Permit Reference IV.C.6.a, c (continued): Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	DO NOT ENTER INFORMATION IN THIS CELL
Existing County-maintained stormwater structure cleaning schedules can be improved by determining priority maintenance areas once schedules are incorporated into the IMS. This will reduce the number of complaints and the amount of stormwater pollution reaching the stormwater conveyance system and surface waters from these sources.	Integration of existing records into the IMS for County maintained roads and catch basins is planned for the last permit year.
The Water Quality Division's stormwater remediation projects are key to adequately reducing or preventing stormwater pollutant discharges to surface waters, including many waterbodies listed on the NYS 303(d) list of impaired waterbodies.	<i>See previous table and Appendix 2 for details.</i>
In order to have a successful maintenance and cleaning program for County-maintained stormwater structures, the purchase of additional cleaning equipment is a necessity.	Three additional vacuum cleaners have been purchased and are expected to be delivered by late 2007.
Permit Reference IV.C.6.a: If there is a training component for staff specific to these municipal operations: <ul style="list-style-type: none"> • <i>explain the activities and materials;</i> • <i>identify the personnel or outside organization conducting the activities.</i> 	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
DPW employees responsible for maintenance of stormwater structures will be trained on illicit discharge detection and reporting. Training will be developed or outsourced by CCE.	<i>Initial training on illicit discharge detection and reporting has been initiated with 4 field technicians with the SCDEE. Training will be completed in the final permit year.</i>
Additional Techniques	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)

Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:	

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; ___ Winter Road Maintenance;
___ Stormwater System Maintenance; **X** **Vehicle and Fleet Maintenance**; ___ Park and Open Space Maintenance; ___ Municipal Building Maintenance;
___ Solid Waste Management; ___ Other: _____

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<ul style="list-style-type: none"> • Briefly describe or reference any existing policies and procedures • Briefly describe or reference any policies and procedures being developed 	DO NOT ENTER INFORMATION IN THIS CELL
<p><i>Existing:</i> County has a Preventative Maintenance Program for fleet vehicles, which includes routine maintenance.</p> <p>Having this policy already in place minimizes the likelihood of leaks and spills from County-maintained fleet vehicles. This minimizes baseline amounts of oil and grease and other automotive fluids entering surface waters from Suffolk County-maintained properties.</p>	Ongoing
<ul style="list-style-type: none"> • Briefly describe or reference any existing best management practices • Briefly describe or reference any planned best management practices 	DO NOT ENTER INFORMATION IN THIS CELL
<p><i>Existing:</i> Used oil and other automotive wastes are currently stored on site in holding tanks and removed by vendors for recycling or disposal.</p>	Ongoing
<p><i>Planned:</i> DPW is requesting a truck wash system with a recovery system for used wash water.</p> <p>A new truck wash system will minimize the amount of outdoor washing of County-maintained trucks, including salt spreading vehicles, which will reduce the amount of soil and sediment, floatable debris, and road salt that may be entering surface waters from the cleaning of County-maintained vehicles (PPP 6).</p>	Requests for funding have been made by DPW and upgrades are pending funding approval.
<ul style="list-style-type: none"> • Identify and describe the equipment and staff that are in place 	DO NOT ENTER INFORMATION IN THIS CELL
Suffolk County owns 2500 vehicles and 500 pieces of specialty equipment.	n/a

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; ___ Winter Road Maintenance; ___ Stormwater System Maintenance; **X** **Vehicle and Fleet Maintenance;** ___ Park and Open Space Maintenance; ___ Municipal Building Maintenance; ___ Solid Waste Management; ___ Other: _____

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<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>Requirements for monthly service to all County-maintained vehicles, as set forth in the County's preventative maintenance plan, will adequately reduce pollutant discharges from County-maintained vehicles. The County prioritizes maintenance of Suffolk County Police vehicles at this time.</p>	<p>Ongoing.</p>
<p>While containment of hazardous materials in holding tanks is an accepted best management practice, the pollution prevention plan may recommend training on the proper handling of hazardous wastes to prevent spills.</p>	<p><i>Some SCDPW staff have received HAZMAT training in the past. Our stormwater training program for SCDPW and SC Parks staff will includes a section on hazardous materials storage and spill prevention and containment. This program will be implemented in the final permit year.</i></p>
<p>The construction of a new truck washing facility will move all large vehicle cleaning operations indoors, considerably reducing pollutant discharges to surface waters.</p>	<p>Pending funding approval.</p>
<p>Permit Reference IV.C.6.a: If there is a training component for staff specific to these municipal operations:</p> <ul style="list-style-type: none"> • <i>explain the activities and materials;</i> • <i>identify the personnel or outside organization conducting the activities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><i>Existing:</i> Staff are trained to report any spills greater than five (5) gallons to the NYSDEC spill hotline. Smaller spills are contained by containment berms at some sites, and staff at all sites are trained to clean up spills with absorbents.</p>	<p>Completed.</p>
<p><i>Planned:</i> Staff responsible for automotive repair may benefit from additional spill prevention and response training as well as training on proper handling of hazardous wastes. Training will be developed or outsourced by CCE.</p>	<p><i>A stormwater training presentation has been developed for SCDPW staff that will also include the automotive repair staff. The training is based upon the NYSDEC Municipal Pollution Prevention and Good Housekeeping Assistance Document guidelines, and includes</i></p>

	<i>a section on hazardous materials storage, spill prevention and containment. The program will be implemented in the final permit year.</i>
Additional Techniques	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:	

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; ___ Winter Road Maintenance;
___ Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; **_X_ Park and Open Space Maintenance;** ___ Municipal Building Maintenance;
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<ul style="list-style-type: none"> • Briefly describe or reference any existing policies and procedures • Briefly describe or reference any policies and procedures being developed 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><i>Existing:</i> With the exception of four County-maintained golf courses, no pesticides or fertilizers are used in County-maintained parks. Furthermore, Integrated Pest Management and alternative (more environmentally friendly) products are used at all County parks and golf courses (e.g. compost teas, slow release nitrogen fertilizer).</p> <p>Having this policy already in place minimizes the baseline amounts of pesticides and fertilizers entering surface waters from Suffolk County-maintained properties.</p>	<p>Completed.</p>
<p><i>Existing:</i> Deposit of any litter in County parks is prohibited by Park Rules and Regulations (Suffolk County Code Chapter 378-4.2.).</p> <p>Having this policy already in place minimizes the baseline amount of floatable debris entering surface waters from Suffolk County-maintained properties.</p>	<p>Completed.</p>
<p><i>Existing:</i> Park Rules and Regulations prohibit the spill or dumping of oil, salt, and other deleterious substances and prohibit any mechanical repairs on site.</p> <p>Having this policy already in place reduces the baseline amount of oils and grease and road salt entering surface waters from Suffolk County-maintained properties (PPP 3).</p>	<p>Completed.</p>
<p><i>Existing:</i> County-maintained marinas have pump-out facilities and require their use.</p>	<p>Completed.</p>

<p>Having this policy already in place eliminates the direct discharge of sewage, reducing the baseline amount of bacteria, phosphorus and nitrogen entering surface waters from Suffolk County-maintained marinas (PPP 2).</p>	
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><i>Existing:</i> County parks currently have pet waste signage that indicate proper disposal methods. Most parks also have disposal containers for pet waste available to visitors.</p> <p>Having this BMP already in place reduces the baseline amount of bacteria entering surface waters from Suffolk County-maintained properties (PPP 2).</p>	<p><i>SC intends to expand this initiative to reduce coliforms through more signage and pet-waste disposal stations in parks that boarder priority waterbodies such as 303d and/or TMDL 's. This will be implemented in the final permit year.</i></p>
<p><i>Existing:</i> Suffolk County Parks Department has a stewardship crew of seven employees who conduct litter clean-ups at County parks and beaches year-round.</p> <p>Having this BMP already in place reduces the amount of floatable debris entering surface waters from Suffolk County-maintained properties.</p>	<p>Ongoing.</p>
<p><i>Existing:</i> SC Parks is investigating alternative methods for reducing the number of Canada Geese (which contribute considerable amounts of fecal coliforms).</p>	<p><i>Border collies have been used at Timber Point County Park with some success. The Parks department will continue to assess the feasibility of the effort in the final permit year.</i></p>
<p><i>Planned:</i> Purchase of DEC approved storage container for pesticides at Bergen Point County Golf Course.</p> <p>This best management practice will reduce the likelihood of pesticide spills from County-maintained golf courses.</p>	<p>Ongoing.</p>
<p><i>Planned:</i> Agreed to voluntary reduction in fertilizer use at golf courses to 3 lbs of slow release Nitrogen/1000 square feet.</p> <p>This best management practice will reduce the use of fertilizers and minimize inputs of fertilizers, nitrogen and phosphorus to surface waters from Suffolk County-maintained properties.</p>	<p>Date of completion to be determined.</p>
<p><i>Planned:</i> SC Parks is assessing a program to recycle waste water for the purpose of irrigating a golf course which would result in a reduction of nutrient inputs into a 303d waterbody.</p>	<p><i>SC Parks and the Town of Riverhead are working together on a project to reduce the amount of pollutants entering Flanders Bay. Some of the water leaving the Riverhead Sewage Treatment Plant is being diverted and further treated prior to it being used to irrigate the Suffolk County Indian Island Golf Course. This will result in a reduction of nutrients into Flanders Bay which is a 303d and TMDL</i></p>

	<i>waterbody. The process will also likely result in a net reduction of coliform inputs.</i>
<ul style="list-style-type: none"> <i>Identify and describe the equipment and staff that are in place</i> 	DO NOT ENTER INFORMATION IN THIS CELL
All County employees that apply pesticides are NYS Certified Pesticide Applicators.	n/a

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; ___ Winter Road Maintenance; ___ Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; **_X_ Park and Open Space Maintenance;** ___ Municipal Building Maintenance; ___ Solid Waste Management; ___ Other: _____

<ul style="list-style-type: none"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c (continued): Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The Suffolk County Parks Department is progressive in its ban of pesticide and fertilizer use everywhere but County-maintained golf courses. Plans already in place are adequately reducing and/or preventing pollutant discharges from a significant amount of County-maintained properties.</p>	<p>Completed.</p>
<p>Feeding of wildlife (such as waterfowl) in County parks can result in increased coliform inputs to sensitive waterbodies. Attempts will be made to reduce the amount of feeding that occurs in County Parks.</p>	<p><i>We will increase signage at select County Parks that border priority waterbodies such as 303d and/or TMDL's to discourage the feeding of birds and wildlife. This will be implemented in the next permit year.</i></p>
<p>Prohibitions on littering, dumping, and mechanical repairs adequately reduce stormwater pollutant discharges (floatable debris and oil/grease) to surface waters.</p>	<p>Completed.</p>
<p>Requiring the use of pump-out facilities at County marinas is a highly effective means of eliminating the amount of bacteria discharged to surface waters from vessels. Suffolk County has 2 marinas, both of which have pump-out facilities.</p>	<p><i>In 2006, the 2 marinas received and properly disposed of approximately 20,000 gallons of vessel waste. Some of this could have very well ended up in sensitive waterbodies if the pump-out facilities did not exist.</i></p>
<p>The purchase of a DEC-approved pesticide storage container at Bergen Point County Golf Course will contain pesticides on site during storage.</p>	<p>Ongoing</p>
<p>The voluntary reduction of fertilizer use that has been pledged by County golf courses will substantially reduce nitrogen and fertilizer discharges to surface waters.</p>	<p>Date of completion to be determined.</p>
<p>Permit Reference IV.C.6.a: If there is a training component for staff specific to these municipal operations:</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for</p>

<ul style="list-style-type: none"> • <i>explain the activities and materials;</i> • <i>identify the personnel or outside organization conducting the activities.</i> 	next years activities)
<i>Existing:</i> All pesticide applicators at County golf courses are NYS Certified and attend the relevant training.	Completed.
<i>Planned:</i> Staff responsible for parks maintenance may benefit from additional spill prevention and response training as well as training on the proper handling of hazardous wastes. Training will be developed or outsourced by CCE.	A good housekeeping questionnaire that was based upon the NYSDEC Municipal Pollution Prevention and Good Housekeeping Assistance Document guidelines was developed for SC DPW worksite managers to evaluate their good housekeeping practices. We have further developed a stormwater training presentation for DPW road maintenance staff. Site inspections and staff training will continue in the next permit year. We also intend to develop and implement a similar training program for SC Parks in the next permit year. This will include an emphasis on ways to reduce coliforms in stormwater runoff.
Additional Techniques	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:	

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; ___ Winter Road Maintenance;
___ Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; ___ Park and Open Space Maintenance; **_X_ Municipal Building Maintenance;**
___ Solid Waste Management; ___ Other: _____

<ul style="list-style-type: none"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • <i>Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing policies and procedures</i> • <i>Briefly describe or reference any policies and procedures being developed</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><i>Existing:</i> No pesticides or fertilizers are used for Suffolk County buildings maintenance. Integrated Pest Management and alternative products are used for pest and weed control.</p> <p>Having this policy already in place reduces and minimizes the baseline amounts of pesticides and fertilizers entering surface waters from Suffolk County-maintained properties.</p>	<p>Complete.</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><i>Existing:</i> All 28 County-maintained fuel pump stations are equipped with overfill alarms to prevent spills.</p> <p>This minimizes the likelihood of fuel reaching the stormwater conveyance system and surface waters.</p>	<p>Complete.</p>
<p><i>Planned:</i> Remove any illicit discharges from County-maintained properties to the stormwater conveyance system.</p> <p>This will minimize the likelihood of stormwater pollutants of concern reaching stormwater conveyance systems and surface waters.</p>	<p>Ongoing. All County-maintained properties are being inspected for illicit discharges, inspection is approximately 65 percent complete. Inspections will be completed in the final permit year.</p>
<ul style="list-style-type: none"> • <i>Identify and describe the equipment and staff that are in place</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>County properties are being inspected by two part-time CCE field technicians.</p>	<p>Ongoing through the final permit year.</p>

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; ___ Winter Road Maintenance;
___ Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; ___ Park and Open Space Maintenance; ___ **X** **Municipal Building Maintenance**;
___ Solid Waste Management; ___ Other: _____

<ul style="list-style-type: none"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c (continued): Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>Suffolk County is progressive in its ban of pesticides and fertilizers on all County-maintained properties (with the exception of golf courses). Plans already in place are adequately reducing and/or preventing pollutant discharges.</p>	<p>Completed.</p>
<p>The presence of overflow alarms on all County gas pumps prevents large spills from taking place. Smaller spills can be minimized by implementing spill prevention and response training.</p>	<p>See permit reference IV.C.6.a. below.</p>
<p>Inspections for illicit discharges from County-maintained properties can be complemented by training additional County staff on detecting and reporting illicit discharges.</p>	<p>See permit reference IV.C.6.a. below.</p>
<p>Permit Reference IV.C.6.a: If there is a training component for staff specific to these municipal operations:</p> <ul style="list-style-type: none"> • <i>explain the activities and materials;</i> • <i>identify the personnel or outside organization conducting the activities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>Staff responsible for building grounds maintenance may benefit from additional spill prevention and response training, training on proper handling of hazardous wastes and training on illicit discharge detection and reporting. Training will be developed or outsourced by CCE.</p>	<p>We have developed a stormwater training presentation for County staff. The training is based upon the NYSDEC Municipal Pollution Prevention and Good Housekeeping Assistance Document guidelines, and includes a section on hazardous materials storage, spill prevention and containment. The program will be implemented in the next permit year.</p>
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>

Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; ___ Winter Road Maintenance; ___ Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; ___ Park and Open Space Maintenance; ___ Municipal Building Maintenance; X **Solid Waste Management**; ___ Other: _____

<ul style="list-style-type: none"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities. 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • Briefly describe or reference any existing policies and procedures • Briefly describe or reference any policies and procedures being developed 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><i>Existing:</i> Suffolk County has a large volunteer base (112 sponsors, an increase of 12 sponsors from last year) that conducts clean-ups under the Adopt-A-Highway program (See MCM#2.F.1.)</p> <p>This minimizes the amount of floatable debris reaching the stormwater conveyance system and surface waters.</p>	<p>This is an ongoing task that will continue indefinitely.</p>
<p><i>Existing:</i> Suffolk County Parks Rules and Regulations prohibit the deposit of litter, dumping of oil, salt, and other deleterious substances (See Park and Open Space Maintenance section).</p>	<p>Completed.</p>
<p><i>Existing:</i> Suffolk County Parks Department sponsors many volunteer clean-ups each year on their properties (See MCM#2.F.1).</p> <p>This minimizes the amount of floatable debris reaching the stormwater conveyance system and surface waters.</p>	<p>This is an ongoing task that will continue indefinitely.</p>
<p><i>Planned:</i> Investigate the feasibility of implementing a recycling program at all County-maintained facilities.</p> <p>Recycling reduces the amount of floatable debris and other stormwater pollutants that could potentially reach stormwater conveyance systems and surface waters (PPP 4).</p>	<p>The feasibility of initiating a recycling program within SC offices is being assessed by the SCDEE.</p>
<ul style="list-style-type: none"> • Briefly describe or reference any existing best management practices 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>

<ul style="list-style-type: none"> <i>Briefly describe or reference any planned best management practices</i> 	
<p><i>Existing:</i> Many forms of debris collected from street sweeping, road clean-ups, and construction sites are recycled or reused, including:</p> <ul style="list-style-type: none"> Scrap metal (recycled) Pallets (used for fire training) Street sweepings (used to cap landfill in Brookhaven) Asphalt and concrete from road projects (recycled) Used oil and other automobile fluids (recycled by vendors) <p>Recycling reduces the amount of floatable debris and other stormwater pollutants that could potentially reach stormwater conveyance systems and surface waters (PPP 4).</p>	<p>These are ongoing tasks that will continue indefinitely.</p>
<p><i>Existing:</i> Current DPW staff clean-up efforts are directed toward sites that are found to be problem areas for illegal dumping (e.g. Park and Ride facilities, see section on Street and Bridge Maintenance).</p> <p>This minimizes the amount of floatable debris reaching the stormwater conveyance system and surface waters.</p>	<p>This is an ongoing task that will continue indefinitely.</p>
<ul style="list-style-type: none"> <i>Identify and describe the equipment and staff that are in place</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>n/a</p>	<p>n/a</p>

Minimum Control Measure 6. Municipal Operations: ___ Street and Bridge Maintenance; ___ Winter Road Maintenance; ___ Stormwater System Maintenance; ___ Vehicle and Fleet Maintenance; ___ Park and Open Space Maintenance; ___ Municipal Building Maintenance; X **Solid Waste Management**; ___ Other: _____

<ul style="list-style-type: none"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c (continued): Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>While some recycling takes place at County facilities, the feasibility of implementing a more comprehensive recycling program at all County-maintained facilities will be analyzed in the County's pollution prevention plan.</p>	<p>The feasibility of initiating a recycling program within SC offices is being assessed by the SCDEE.</p>
<p>Volunteer removal of litter from County parks and roads is an effective means of reducing the amount of floatable debris reaching stormwater conveyance systems and surface waters. Volunteers will be continually recruited for these events.</p>	<p>This is an ongoing task that will continue indefinitely. Advertisements for both Parks clean-ups and Adopt-A-Highway programs will be included in the Suffolk County Stormwater Management Program website in the next permit term. Additional venues for continual recruitment for these programs will be determined in the next permit term.</p>
<p>Permit Reference IV.C.6.a: If there is a training component for staff specific to these municipal operations:</p> <ul style="list-style-type: none"> • <i>explain the activities and materials;</i> • <i>identify the personnel or outside organization conducting the activities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>Good solid waste management practices on County properties will benefit from training County employees on spill prevention and response and proper handling of hazardous wastes. Training will be developed or outsourced by CCE.</p>	<p>We have developed a stormwater training presentation for County staff. The training is based upon the NYSDEC Municipal Pollution Prevention and Good Housekeeping Assistance Document guidelines, and includes a section on hazardous materials storage, spill prevention and containment. The program will be implemented in the final permit year.</p>
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>

Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:	

Did you include any of the following documents as appendices? Put a mark each appended document.

- Summary of public comments received on the annual report at the public presentation (**Required; Appendix 1**)
- Intended response to comments on the annual report (**Required; Appendix 1**)
- Results of information collected and analyzed, including monitoring data; evaluation of assessment (modeling) of pollutant discharges, including modeling results and pollutant transport trends.
- Other: Summary of Suffolk County Department of Public Works Projects (Appendix 2)
- Other: Suffolk County Stormwater Management Program Logo and Slogans (Appendix 3)

**ADDENDUM REPORTING FOR
MS4S THAT LACK LEGAL AUTHORITY TO ADOPT
REGULATORY MECHANISMS FOR IDDE AND
CONSTRUCTION / POST-CONSTRUCTION STORMWATER RUNOFF CONTROL**

BE SURE TO INDICATE THE MS4 NAME AND PERMIT NUMBER IN THE HEADER

ADDENDUM 1. Minimum Control Measure 3. Illicit Discharge Detection and Elimination (IDDE) Local Law

<p>Permit Reference IV.C.3.c: Prohibit, through an ordinance, local law or other regulatory mechanism, illicit discharges into the MS4. The MS4s have until year 5 to complete this work.</p>		
<p>1) When was this work completed or planned to be completed?</p>	<p>Date completed: _____; <input checked="" type="checkbox"/> Not yet completed Plan to complete for reporting in year: <input type="checkbox"/> 4; <input checked="" type="checkbox"/> 5.</p>	
<p>2) Indicate which of the control mechanisms or procedures to the right used by the MS4 notify staff and others doing work on behalf of the MS4 about prohibition of and enforcement against illicit discharges:</p>	<p><input type="checkbox"/> Interconnection agreements <input type="checkbox"/> Maintenance directives / BMPS <input type="checkbox"/> Access Permits <input type="checkbox"/> Tenant Leases</p>	<p><input type="checkbox"/> Consultant Agreements <input type="checkbox"/> Construction/Bid Documents <input type="checkbox"/> Other:</p>
<p>3) Indicate which of these control mechanisms contain specific language prohibiting illicit discharges:</p>	<p><input type="checkbox"/> Interconnection agreements <input type="checkbox"/> Maintenance directives / BMPS <input type="checkbox"/> Access Permits <input type="checkbox"/> Tenant Leases</p>	<p><input type="checkbox"/> Consultant Agreements <input type="checkbox"/> Construction/Bid Documents <input type="checkbox"/> Other:</p>
<p>4) Explain how the MS4 intends to prohibit illicit discharges if:</p> <ul style="list-style-type: none"> • none of the mechanisms in number 2 contain language prohibiting illicit discharges; or • the MS4 intends to add language to prohibit illicit discharges in other control mechanisms. 	<p><i>4th Permit Year: The Suffolk County Department of Health Services (SCDHS) currently runs a comprehensive water quality monitoring program for the purpose of protecting surface waters in Suffolk County. They are authorized to do so through the existing Sanitary Code which allows the County to: monitor outfalls to surface waters, conduct inspections, make determinations as to the legality of discharges, and enforce the findings through various penalties. However, the existing Sanitary Code focuses primarily on regulating illegal outfalls to surface waters. We are proposing the addition of a new Local Law which will expand Suffolk County's jurisdiction to all County-owned conveyance systems including outfalls, leaching basins and detention basins see MCM#3.E.1). The combination of the existing and proposed regulations will minimize illicit discharges to the maximum extent possible. A Draft Local Law has been completed and is being reviewed by County entities responsible for the process. This includes the SCDPW, SCDHS, SCDEE, and Suffolk County legal department staff. The proposed Draft Local Law is very similar to the NYSDEC Model Ordinance, but slightly modified in order to be relevant to the County's priorities and resources. The responsibilities associated with administrating the IDDE Local Law will likely be the following:</i></p> <ol style="list-style-type: none"> 1) Identification of potential illicit discharges → SCDEE 2) Monitoring of potential discharge → SCDHS 3) Enforcement of Local Law → SCDHS <p><i>Once the draft is finalized, it will be sent to the appropriate parties (attorneys, Legislature, County Executive) for approval and adoption. This is an ongoing effort which will be completed in the final permit year. The local law will be adopted by the County by 12/2007.</i></p>	
<p>5) Explain how the MS4 (intends to) enforce</p>	<p>Explanation:</p>	

against illicit dischargers within their jurisdiction?	Article 2 of the existing Sanitary Code grants the County authority to issue both criminal and civil penalties for offences. The existing regulatory mechanisms will be used when the Draft Local Law is passed.
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ADDENDUM 2. Minimum Control Measure 4 & 5. Construction Site & Post-Construction Stormwater Runoff Control Local Law

<p>Permit Reference IV.C.4.b.i, 5.a.i: Require development and implementation of erosion and sedimentation controls through a local law or other regulatory mechanism. The MS4s have until year 5 to complete this work.</p>	
<p>1) When was this work completed or planned to be completed?</p>	<p>Date completed: _____ <input checked="" type="checkbox"/> Not yet completed Plan to complete for reporting in year: <u> </u> 4 <input checked="" type="checkbox"/> 5.</p>
<p>2) Indicate which of the control mechanisms or procedures below are used by the MS4 to notify staff and others doing work on behalf of the MS4 about the <u>erosion, sedimentation and stormwater management requirements</u> for projects under the MS4s jurisdiction. (These requirements are based on the Construction Permit (GP-02-01) and MS4 Permit (GP-02-02)).</p>	
<p><input type="checkbox"/> Access Permits <input type="checkbox"/> Tenant Leases <input checked="" type="checkbox"/> Requests for Proposals (RFPs) <input checked="" type="checkbox"/> Scope of Services</p>	<p><input checked="" type="checkbox"/> Consultant Agreements <input checked="" type="checkbox"/> Construction / Bid Documents <input checked="" type="checkbox"/> Other Policies / Procedures <u> </u> bid specifications _____</p>
<p>3) All of the <u>erosion, sedimentation and stormwater management requirements</u> below must be addressed by the MS4's control mechanisms. For the control mechanisms identified in number 2 above, state in the left hand cells below the control mechanism(s) that contain the language.</p>	
<p>Control Mechanism</p>	<p><u>Erosion, Sedimentation and Stormwater Management Requirements</u></p>
<p>RFPs, Scope of Services, Consultant Agreements</p>	<p>Require all projects to have SWPPPs, as in GP-02-01</p>
<p>RFPs, Scope of Services, Consultant Agreements</p>	<p>Require all 16 components of a basic SWPPP (erosion and sediment control)</p>
<p>RFPs, Scope of Services, Consultant Agreements, Construction/Bid Documents</p>	<p>Require all additional 7 components for a full SWPPP when post-construction control is required</p>
<p>RFPs, Scope of Services, Consultant Agreements, Construction/Bid Documents</p>	<p>Meet the standards in the <i>Erosion and Sediment Control</i> and <i>Stormwater Management Design Manuals</i> (or otherwise meet the requirements of GP-02-01)</p>
<p>Construction/Bid Documents</p>	<p>Require contractor certification statements stating that the contractor will agree to comply with the terms and conditions of the SWPPP</p>
<p>Construction/Bid Documents</p>	<p>Require proper operation and maintenance of stormwater facilities during construction</p>
<p>Construction/Bid Documents</p>	<p>Require proper operation and maintenance of stormwater facilities after construction</p>
<p>RFPs, Scope of Services, Consultant Agreements, Construction/Bid Documents</p>	<p>Require SWPPPs to be certified by a licensed / certified individual when there is a deviation from technical standards or direct discharge to a 303(d) segment or TMDL watershed subject to condition A of GP-0-01</p>
<p>RFPs, Scope of Services, Consultant Agreements, Construction/Bid Documents</p>	<p>Have a process for review of SWPPPs</p>
<p>RFPs, Scope of Services, Consultant Agreements</p>	<p>Require site self inspections as in GP-02-01</p>

RFPs, Scope of Services, Consultant Agreements	Have enforcement procedures during and after construction	
RFPs, Scope of Services, Consultant Agreements, Construction/Bid Documents	Require construction site operators to control waste	
RFPs, Scope of Services, Consultant Agreements, Construction/Bid Documents	Procedures for receipt and consideration of information submitted by the public	
4) If any of the requirements in number 3 are not addressed, explain how the MS4 intends to incorporate them into the control mechanisms?	Explanation: N/A	
5) Explain how the MS4 intends to enforce the requirements within their jurisdiction?	Explanation: The County will incorporate these requirements into the existing procedures performed by the resident engineers on construction projects, as well as by incorporating these requirements into the contract documents, thereby allowing the County to enforce these requirements.	

Appendix 1 – Summary of Public Comment and Intended Responses

Comments from CEQ Public Meeting, 4/18/07

Public Comments:

In addition to the data already contained within the information management system (IMS), we would like the County to identify areas where mosquito control ditches exist and where the county outfalls discharge into these mosquito ditches. This information should be made available to the public by posting it on the county stormwater website. Identifying these areas is important since mosquito ditches are acting as direct conduits sending stormwater to surface waters untreated.

All Suffolk County outfalls on County roads and properties have been identified and incorporated into the IMS. As defined by the NYS DEC, a stormwater outfall pipe that discharges into a mosquito ditch qualifies as an outfall and will be monitored for illicit discharges. However, mosquito ditches that do not receive direct stormwater discharges are not considered outfalls by NYSDEC and are not a part of the outfall inventory and monitoring efforts.

There was a comment received about how the public was notified of the public hearing.

Our public hearing was held at the April 18th Council on Environmental Quality (CEQ) meeting. Notification regarding this public meeting was included in CEQ's agenda, a mailing list sent out by CEQ, and a mailing list sent out by Cornell Cooperative Extension (including interested parties, such as the Peconic Baykeeper, Long Island Sound Study, and the Peconic Estuary Program). Notice was also prominently on the Suffolk County Stormwater Management Program website one month prior to the hearing.

The definition of the 100 year storm needs to be changed. With the larger rain events were having and more impermeable surface this type of storm event is occurring more often.

Revising the definition of 100 year storm is outside of the purview of Suffolk County's Phase II requirements.

New development needs to incorporate stormwater best management practices (BMP's). For example, the downspout on many new homes is still being placed so that roof water discharges onto concrete or asphalt and then flows into the storm drain. The downspouts should be placed so that roof water discharges to a permeable surface, reducing the amount of water entering the storm drain.

Suffolk County Department of Public Works (SCDPW) is incorporating Stormwater Pollution Prevention Plan's (SWPPP's) into all bid specifications for county funded construction projects that disturb over 1 acre. In addition, the public education portion of the stormwater management program includes homeowner education on stormwater BMP's. This information can be found on the stormwater management program website and in Suffolk County's "Where does the rain go?" brochure.

It should also be noted that most development occurs under the purview of MS4's of towns and incorporated villages.

SWPPP's are not being created and implemented properly at all construction sites. DEC Region 1 staff is lacking. Sufficient staff is not in place to help towns and villages properly complete SWPPP's and also ensure that the SWPPP's are implemented.

While this statement may be true for MS4's in towns and incorporated villages, DPW engineers oversee inspection and maintenance on all county projects.

What conveyances from other MS4's are connecting into Suffolk County's conveyance system?

Through Suffolk County's Illicit Discharge Detection and Elimination (IDDE) monitoring program we will determine if there are any illicit connections into the County's system from MS4's and others. Currently, we are monitoring all outfalls that discharge into priority waterbodies, which are waterbodies with a total maximum daily load (TMDL) or listed on the NYS DEC's 303(d) list of impaired waterbodies. The County is also working toward the goal of identifying cross-connections other than illicit discharges in their storm sewer system.

Suffolk County should establish roles and responsibilities for all entities that have stormwater responsibilities.

Suffolk County is doing that relative to the County's own Phase II program. Suffolk County is happy to coordinate with other MS4's, however it is outside of the jurisdiction of Suffolk County's Phase II program to require municipalities to assign roles and responsibilities.

CEQ Comments:

There is a need for additional investigators at the Department of Health Services to adequately address illicit discharge detection and elimination.

A grant application was submitted by the Suffolk County Department of Health Services to hire three new Department of Health Services employees to aide in complying with the IDDE requirements.

In addition to addressing road salt application rates on Suffolk County roads, DPW should also consider application rates at Suffolk County Community College.

DPW applies sand and salt at a rate that will ensure driver safety. They will continue to monitor application rates to ensure effective snow and ice control using the least amount of material possible.

Although road salt is stored in covered building, the sand/salt mixture is stored outside and not covered. In addition, it is transferred to trucks outdoors.

With respect to the sand/salt mixture storage, the County is looking into the issue and will seek to remedy it if it is feasible. When transferring material to trucks, every effort is made by DPW to contain spillage.

There was a question regarding the storage of junked, wrecked, or confiscated vehicles. The site at Bomark was used as an example.

Vehicles are emptied of their fluids to the maximum extent practicable before disposal. DPW conforms to all DEC requirements concerning this.

Have private golf courses coordinated at all with Suffolk County golf courses that are using integrated pest management and more environmental friendly products?

Private golf courses are not coordinating with the Phase II Stormwater Program. However, the County has implemented integrated pest management (IPM) and this is serving as an example for private golf courses. The County also has a page on their Stormwater Management Program website (www.suffolkstormwater.com) discussing best management practices for golf courses.

What were the results of the research on Magic-O™?

The Magic-O testing revealed the tendency of the solution to refreeze. It also requires a very specific and precise mixing ratio be effective.

The County should consider all county properties and facilities when addressing road salt application rate.

DPW applies sand and salt at a rate that will ensure driver safety. They will continue to monitor application rates to ensure effective snow and ice control using the least amount of material possible.

Cornell Cooperative Extension/Suffolk County Phase II Program should work with the Homestead A-Syst Task Force.

We will fully work with the Homestead A-Syst Task Force to share ideas, develop homeowner best management practices, and develop public education relevant to these ideas.

On February 7, 2006, the Suffolk County Legislature passed Resolution 1028-2006 that requires the Department of Public Works to achieve LEED certification on all new construction or major renovation projects over \$1 million.

We will participate with the County Legislatures on this effort.

To earn LEED certification, building projects must meet certain prerequisites and performance benchmarks ("credits") within each category. Projects are awarded Certified, Silver, Gold, or Platinum certification depending on the number of credits they achieve. One area where credits can be earned is in stormwater design for both quantity and quality control. Green roofs, rain barrels, rain gardens and pervious paving all qualify for a credit in either the quantity or quality category.

Plans have been developed to convert a small building on the Suffolk County Farm in Yaphank to a demonstration building showing best management practices to reduce stormwater pollution. Plans for the demonstration site include a green roof system, rain gutters connected to a rain barrel, a rain garden,

a pet waste management display, and a small pathway demonstrating the use of permeable surface. The demonstration site will also include a kiosk with posters, photos, and flyers. The kiosk will serve to educate visitors on how to reduce pollutants and pathogens from entering local waterways.

No further public comments were received on this annual report.

Appendix 2 - Suffolk County Department of Public Works Projects

This appendix lists the water quality projects completed, in progress or proposed by Suffolk County to reduce stormwater pollution to Suffolk County's streams, lakes, embayments, and estuaries. Concerns have been raised at previous public meetings that reducing stormwater runoff to surface waters may impact natural systems by affecting the salinity and overall function of aquatic ecosystems. The intent of these projects and of Phase II stormwater regulations is not to reduce natural stormwater runoff, but to effectively remove pollutants from stormwater runoff before it reaches Suffolk County's surface waters.

EXISTING PROJECTS (ALREADY FUNDED)

1. *CP 8710, Stormwater Remediation to Carlls River at Phelps Lane*

- **Funding** - \$175,000.00 approved by Legislature
- **Description** - This project involves the installation of a subsurface stormwater treatment system on County Road 34 in the vicinity of Phelps Lane in the Town of Babylon. Installation of this treatment system is intended to remove sediments and floatables from urban runoff emanating from County Road 34 before it is discharged to Carlls River.
- **Status** – Design is complete. Anticipated letting in the spring of 2007, pending utility coordination with Keyspan. No permits are required.

2. *CP 8241, Stormwater Remediation Improvements at Meschutt Beach County Park*

- **Funding** - \$1,020,000.00 approved by Legislature
- **Description** - This project consists of a full depth pavement reconstruction of the existing parking lot and installation of a series of leaching basins. Currently, untreated stormwater runoff sheet flows from the parking area and is channeled onto the beach area via several beach access walkways. The proposed design will eliminate this direct discharge of runoff and channel runoff into the proposed leaching basins.
- **Status** – DEC permit plans submitted Nov. 2006

3. *CP 8240, Stormwater Remediation on C.R. 50, Union Boulevard, at Champlins Creek*

- **Funding** - \$135,000.00 approved by Legislature, 50% max. state reimbursement
- **Description** - Currently, stormwater runoff is being discharged directly to Champlins Creek by way of two existing drainage systems. This project will remediate these discharges with the installation of appropriate stormwater treatment vaults at each systems outlet to Champlins Creek.
- **Status** – Survey complete. DEC permit application complete and will be submitted after utility coordination is complete. Anticipated letting in the winter of 2007. Bond Act contract execution pending. Anticipated reimbursement of \$67,500.00 (50%).

4. CP 8233, Bond Act Phase 1C, Stormwater Remediation on C.R. 80, Montauk Highway, at South Valley, West Tiana, Weesuck Creek and C.R. 32, Ponquogue Ave., at Ponquogue Bridge, Town of Southampton

- **Funding** - \$575,000.00 approved by Legislature, 50% max. state reimbursement
- **Description** - The project will result in the construction of in-line and off-line leaching basins at various locations on County Road 80 and on Ponquogue Bridge (CR 32) to intercept and treat highway stormwater runoff which currently discharges directly to Shinnecock Bay and Tiana Bay, respectively.
- **Status** – DOS contract extension request to March 31, 2007 has been approved and is being executed by the DOS. Department of Environmental Conservation (DEC) permit application is under review for two locations. NYSDOS is assisting with expediting these permits. Comments received by DEC are being reviewed and responses are being prepared. Tidal wetland permit for CR 32, Ponquogue Avenue received August 18, 2006. Anticipated letting in the spring of 2007.

5. CP 8233/8240, Bond Act Phase 1D, Stormwater Remediation on C.R. 35, Mill Dam Road, at Huntington Harbor, Town of Huntington

- **Funding** – \$928,976.00 local funds, \$640,000.00 max. state reimbursement
- **Description** - This project involves the installation of a positive drainage system along Mill Dam Road. This drainage system will eliminate the existing direct discharge to both Mill Dam Pond and Huntington Harbor by directing the runoff to a new detention basin to be constructed on a County-owned parcel adjacent to the roadway.
- **Status** – DEC permit modification has been received. Final design changes are completed. Anticipated letting in the winter of 2006/2007. Letting pending agreement with Town of Huntington to transfer maintenance.

6. CP 8240, Bond Act Phase 3B, Stormwater Remediation to C.R. 63, Peconic Ave., at Peconic River

- **Funding** – \$190,000.00 local share, 50% max. state reimbursement
- **Description** - Currently, an existing positive drainage system conveys stormwater from NYS Rt. 25 and C.R. 63 directly to a discharge on the Peconic River. This project involves the repair of this failing drainage system and the installation of a stormwater treatment unit on County Road 63, Peconic Avenue, at the Peconic River.
- **Status** – Contract workplan has been approved by DEC. DEC permit has been received. Final contract plans are complete. The NYSDOT permit was been resubmitted November 13 and we are awaiting response. We anticipate letting in the winter of 2006/2007.

7. CP 8240, Bond Act Phase 3C, Stormwater Remediation Improvements to C.R. 94A,

Center Drive, at Peconic River

- **Funding** - \$1,145,000.00 local share, \$240,000.00 max. state reimbursement
- **Description** - Currently, stormwater from the Riverhead County Center and portions of C.R. 94 (Nugent Drive), C.R. 94A (Center Drive), and C.R. 51 (Center Drive South) flow into an existing drainage system which discharges directly into the Peconic River and the Little Peconic River. This project will install a series of leaching basins, decorative retention ponds and stormwater treatment vaults designed to remediate these discharges.
- **Status** – Contract workplan approved by DEC and contract executed. Due to recent roadway and drainage improvements to CR 51/94 intersection, scope is to be adjusted to include only stormwater treatment units (vaults) at the discharge points. We will notify DEC that we will use original workplan.

FUTURE PROJECTS (PENDING APPROVAL OF STATE/LOCAL FUNDS)

1. Stormwater Remediation to Mud Creek at C.R. 101, Patchogue-Yaphank Road

- **Anticipated Funding** - \$360,000.00 local share only
- **Description** - Currently, untreated stormwater is flowing directly into a state designated wetland (ID# B-4), before discharging to Mud Creek by way of an existing drainage system on County Road 101, Patchogue-Yaphank Road. This project proposes to construct a “pocket wetland” retention basin and to redirect the stormwater flow from the existing drainage system into this new basin.
- **Status** – Approved by Water Quality Review Committee (WQRC) in May 2006. Legislature has not introduced resolution.

2. Stormwater Remediation to Forge River at C.R. 80, Montauk Highway

- **Anticipated Funding** - \$677,500.00 state assistance (Bond Act)
- **Description** - The existing roadway stormwater runoff directly discharges at three locations to the waterbodies; to Westmill Pond via a paved gutter, to Eastmill Pond via an opening in the asphalt tip-up gutter and to Forge River via a catch basin that connects the existing positive drainage system to the eastern culvert. The proposed improvements will eliminate the direct discharges to the waterbodies through the installation of approximately thirty (30) leaching basins, two (2) oil/grit separator basins and an infiltration basin.
- **Status** – Not submitted for Water Quality funding; application shall be put forth at next WQRC meeting.

3. Stormwater Remediation to Narrow Bay at C.R. 46, William Floyd Parkway

Municipality: SUFFOLK COUNTY

Permit Number: NYR40A 180

- **Anticipated Funding** - \$275,000.00 state assistance (Bond Act)
- **Description** – Currently, two existing drainage systems discharge runoff directly to Narrow Bay. A total of 87 leaching basins will be installed in the available space within the parkway median to capture and treat the runoff from the north drainage system and a 1025 cubic-yard proposed micropool extended detention wetland will be constructed on County-owned property near the Shirley Marina to accept stormwater runoff from the south drainage system.
- **Status** - Not submitted for Water Quality funding; application shall be put forth at next WQRC meeting.

Appendix 3 – Suffolk County Stormwater Management Program Mascot and Logo



Be the Solution to Stormwater Pollution