



# City of Long Beach

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## Stormwater Management Program Annual Report DRAFT

March 10, 2007 to March 9, 2008

Year 5

MS4 SPDES No.: NYR20A189

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**Prepared by:**

**Sidney B. Bowne & Son, LLP**

235 East Jericho Turnpike

Mineola NY 11501

Phone: 516-746-2350

Fax: 516-747-1396

[www.bownegroup.com](http://www.bownegroup.com)

DRAFT

# **Stormwater Management Program Fifth Annual Report**

March 10, 2007 to March 9, 2008

MS4 SPDES No.: NYR20A189

## **City of Long Beach**



1 West Chester Street  
Long Beach, NY 11561  
(516) 431-1000

### **City Manager**

Charles T. Theofan, City Manager

### **City Council President**

Thomas R. Sofield, Jr.

### **City Council Vice President**

Mona Goodman

### **City Council Members**

John C. McLaughlin

Leonard G. Remo

Denise Tangney

### **Department of Public Works**

Robert L. Raab, P.E., Commissioner

Joseph Febrizio, City Engineer

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Phase II SPDES General Permit for

Storm water Discharges from Municipal Separate Storm Sewer Systems (MS4s), GP-02-02  
MUNICIPAL COMPLIANCE CERTIFICATION (MCC) FORM



Regulated MS4: CITY OF LONG BEACH SPDES Permit Number: **NYR20A189**

See information packet for information to help complete this form.

MCC Form for year ending: March 9, <u>    </u> 2006 (Year 3) <u>    </u> 2007 (Year 4) <u>  X  </u> 2008 (Year 5)			
<b>Section A. MS4 Owner/Operator and Contact Person Information</b> (contact persons explained in instructions)			
<b>Owner/Operator</b> Is information below new or changed? <u>  X  </u> Yes <u>    </u> No (new City Manager)			
Name: <b>CHARLES T. THEOFAN</b>		Title: <b>CITY MANAGER</b>	
Department: <b>CITY MANAGER</b>			
Mailing Address:	Street or P.O. Box: <b>1 WEST CHESTER STREET</b>	City: <b>LONG BEACH</b>	
	County: <b>NASSAU</b>	State: <b>NY</b>	Zip Code: <b>11561</b>
Phone: <b>( 516 ) 431-1000</b>		E-mail Address: <a href="mailto:ctheofan@longbeachny.org">ctheofan@longbeachny.org</a>	
<b>Local Storm water Public Contact</b> (Required by Minimum Measure 2)			
Is information below: 1) new or changed? <u>  X  </u> Yes <u>    </u> No (new City Manager)			
2) same as: <u>  X  </u> Owner/Operator			
Name: <b>CHARLES T. THEOFAN</b>		Title: <b>CITY MANAGER</b>	
Department: <b>CITY MANAGER</b>			
Mailing Address:	Street or P.O. Box: <b>1 WEST CHESTER STREET</b>	City: <b>LONG BEACH</b>	
	County: <b>NASSAU</b>	State: <b>NY</b>	Zip Code: <b>11561</b>
Phone: <b>( 516 ) 431-1000</b>		E-mail Address: <a href="mailto:ctheofan@longbeachny.org">ctheofan@longbeachny.org</a>	
<b>Stormwater Management Program (SWMP) Coordinator</b> (Responsible for implementation/coordination of SWMP)			
Is information below: 1) new or changed? <u>  X  </u> Yes <u>    </u> No (new City Manager)			
2) same as: <u>    </u> Owner/Operator <u>  X  </u> Local Stormwater Public Contact			
Name: <b>CHARLES T. THEOFAN</b>		Title: <b>CITY MANAGER</b>	
Department: <b>CITY MANAGER</b>			
Mailing Address:	Street or P.O. Box: <b>1 WEST CHESTER STREET</b>	City: <b>LONG BEACH</b>	
	County: <b>NASSAU</b>	State: <b>NY</b>	Zip Code: <b>11561</b>
Phone: <b>( 516 ) 431-1000</b>		E-mail Address: <a href="mailto:ctheofan@longbeachny.org">ctheofan@longbeachny.org</a>	
<b>Annual Report Preparer</b>			
Is information below: 1) new or changed? <u>  X  </u> Yes <u>    </u> No			
2) same as: <u>    </u> Owner/Operator <u>    </u> Local Stormwater Public Contact <u>    </u> SWMP Coordinator			
Name: <b>JOHN WALTZ</b>		Title: <b>ASSOCIATE PARTNER</b>	
Department: <b>Sidney B. Bowne &amp; Son, LLP</b>			
Mailing Address:	Street or P.O. Box: <b>235 E. JERICHO TURNPIKE</b>	City: <b>MINEOLA</b>	
	County: <b>NASSAU</b>	State: <b>NY</b>	Zip Code: <b>11501</b>
Phone: <b>( 516 ) 746-2350</b>		E-mail Address: <b>JWALTZ@BOWNEGROUP.COM</b>	

**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
Reynolds Channel	Pathogens	X	
Hempstead Bay	Nitrogen	X	

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)  
  
N/A

**Explanation:**

The City's SWMP focuses on source control of pathogens and nitrogen through solid waste management, pet waste management, not feeding waterfowl & pigeons, and curb markers on catch basins. Several times each year the City distributes printed materials to residents about preventing stormwater pollution, and has volunteer group beach clean-ups. The City also regularly sweeps its streets and maintains its catch basins as often as practicable. Note; the City has a waste water collection and treatment system so that private sanitary system failures are not an issue.

The City has enacted an IDDE local law and an ESC law using the models distributed by NYSDEC. Even though the 1 acre of disturbance threshold has yet to be met, the City requires ESC measures on smaller projects and 2'-8" (depending on site constraints) of post construction runoff must be retained on all newly developer sites. All outfalls will be re-assessed for dry weather flow next year. The City participates in the Nassau County Stormwater Coalition and takes advantage of the public information resources and the training resources provided.

The City also participates in the South Shore Estuary Reserve.

Given the City's program there should be no increase in discharge of pollutants of concern to Reynolds Channel and Hempstead Bay. The City has made an effort to apply management practices that historically have shown to be effective in water quality protection and improvement goals (see the EPA Manual of BMPs). On that basis the City's program is effective.

**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**

See pg 6 of NC SWMP <http://www.nassaucountyny.gov/agencies/DPW/documents/2007AnnualReportintoto.pdf>

**List MS4 Partners with Planned Legally Binding Agreements or Contracts**

See pg 6 NCSWMP <http://www.nassaucountyny.gov/agencies/DPW/documents/2007AnnualReportintoto.pdf>

**List MS4 Partners with Other Agreements in Place**

**A partnership is in place with Nassau County in conjunction with County storm water contracts/grant agreements with NYS related to Minimum Control Measures 1, 2, 3 and 6; See Nassau County Storm Water Annual Report. Pg 6 <http://www.nassaucountyny.gov/agencies/DPW/documents/2007AnnualReportintoto.pdf>**

**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 areas within the municipal boundaries of the City. There are two County Roads within the City. The operations and maintenance of the County roads and related drainage systems are covered by the County's SWMP.

<p><b>Section E. Funding and Resource Allocation</b></p> <p>Information to help complete this section can be found in the instructions.</p>
<p>1. Are adequate resources (funding mechanism, equipment, staff, etc.) planned or in place to fully implement your SWMP no later than January 8, 2008? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (explain below)</p>
<p>Explain: The City is implementing its program using in-house staff from various agencies with the Public Works Department as the lead agency</p>
<p>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?</p>
<p>Explain: The City is funding its program through its operating budget (annual) and through a stormwater improvement fund that is funded through application fees for development. The City Public Works, Buildings, Parks, Highways, Police, and Public Affairs Departments implement various parts of the SWMP as additional duties.</p>
<p>3. If the MS4 is not receiving funding, briefly explain below: plans the MS4 has for obtaining future funding?</p>
<p>Explain:</p>

<p><b>Section F. Compliance Certification</b></p>			
<p><b>Compliance Assessment</b> - 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 <b>during this reporting year</b>. Refer to the NOI and prior Annual Reports for information about measurable goals scheduled for this reporting year.</p>			
Permit Part	Minimum Control Measure	ANSWER BOTH COLUMNS FOR THIS REPORT YEAR ONLY	
		Steady Progress	Goals Achieved
IV.C.1.	Public Education and Outreach on Stormwater Impacts	<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
	Explain 'no' / 'N/A' answer:		
IV.C.2.	Public Involvement / Participation	<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
	Explain 'no' / 'N/A' answer:		
IV.C.3.	Illicit Discharge Detection and Elimination	<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
	Explain 'no' / 'N/A' answer:		
IV.C.4.	Construction Site Stormwater Runoff Control	<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
	Explain 'no' / 'N/A' answer:		
IV.C.5.	Post-Construction Stormwater Management	<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
	Explain 'no' / 'N/A' answer:		
IV.C.6.	Pollution Prevention / Good Housekeeping for Municipal Operations	<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
	Explain 'no' / 'N/A' answer:		

**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: Charles T. Theofan Title: City Manager

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 - 4<sup>th</sup> 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: CITY OF LONG BEACH SPDES Permit Number: NYR20A189**

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

Information about how to complete the 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 - 4<sup>th</sup> 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><b>Permit Reference IV.C.1.a, b:</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"> <li>• <i>Explain the program, including activities and materials used</i></li> <li>• <i>Identify the personnel or outside organization conducting the activity.</i></li> <li>• <i>Indicate activities planned for next year.</i></li> </ul>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><b>Based on the most recent 303d list the pollutants of concern in the Long Beach Watershed are pathogens and nitrogen. The City’s program informs the community of this and provides steps that can be taken to reduce these and other pollutants.</b></p> <p>The City distributed “Storm Water Management – Keeping Our Waterways Clean” as part of the <i>Official Community Update</i> in March 2008 to residents and businesses. The Update addressed proper management of automotive fluids car wash water, pet waste, fertilizers, grass clipping and leaves, trash and yard waste and household hazardous waste. The publications are mailed to residents and on the City website, see <a href="http://www.longbeachny.org/index.asp?Type=B_BASIC&amp;SEC={306D2064-BC38-4C54-BB89-6B0A90485AAE}">http://www.longbeachny.org/index.asp?Type=B_BASIC&amp;SEC={306D2064-BC38-4C54-BB89-6B0A90485AAE}</a></p>	<p><b>City goal is to increase mailing cycles to at least 4 times in 2008. Storm water articles are prepared on an ongoing basis for use in newsletter, brochures, mailers, and/or webpage.</b></p> <p>The City will continue mailings about NOT feeding geese and pigeons as a pathogen reduction management practice. As an added BMP, the City will stress further proper landscaping practices for both residents and commercial landscapers using the literature developed by the County.</p>
<p><b>The City distributes a calendar to all residents the provides information on S.T.O.P., solid waste management, recycling, and public meetings on proposed development (i.e. zoning board meetings, planning advisory board meetings). The City also publishes this information on its website.</b></p>	<p>Ongoing</p>
<p><b>The City website provides links to Nassau County websites where storm water management information may be obtained.</b></p>	<p>Ongoing task</p>
<p><b>The City also participates in the South Shore Estuary Reserve Council,</b></p>	<p>The City participation in the South Shore Estuary Reserve</p>

<b>which is implementing a comprehensive management plan for the Reserve.</b>	<b>Council is ongoing.</b>
For proper disposal of household hazardous waste, the City continues to publicize and administer the Stop Throwing Out Pollutants Program	S.T.O.P days were held 10 times annually; the program will be continued each year. Annual participation has more than doubled since inception in 1999.
Narrative for insertion in water bills to encourage water conservation was prepared and included twice during the year 4 billing cycle.	Ongoing task; storm water management issues will be addressed in future inserts in water bills
The City targeted businesses and merchants as an audience of concern for solid waste management and the City Manager distributed leaflets titled <i>Merchants' Responsibilities</i>	ongoing
<p>The City is participating with Nassau County in a Phase II storm water intermunicipal partnership partially funded by a state grant. As a part of this program, literature has been placed in public libraries, and the City has obtained a brochure display that has been placed in City Hall. Partnership activities/accomplishments are summarized on the County's Annual Report at <a href="http://www.nassaucountyny.gov/agencies/DPW/PublicEducation.html">http://www.nassaucountyny.gov/agencies/DPW/PublicEducation.html</a></p> <p>Through the City's partnership with the Nassau County Storm Water Coalition storm water education has been targeted at high risk businesses and activities involving: landscaping, commercial businesses (see the links under the above web site)</p>	<p>Implementation of County-wide Measure 1 elements is ongoing and specific measures to be implemented in the next permit year are summarized on the County's Annual Report</p> <p>The City's activities associated with the partnership with Nassau County will be conducted on an ongoing basis</p>
<b>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:</b>	
<p>Now that 2006 303d list has added Nitrogen as an impairment to Hempstead Bay, the City is stressing proper use of lawn and garden chemicals to both residents and commercial landscapers. As pathogen management practices, the City is stressing pet waste management and not feeding waterfowl &amp; pigeons. This will help in nitrogen control as well.</p>	<p>Ongoing on the City website and in the literature displays in City Hall and Library.</p> <p>4 times per year in 2008 in the City Newsletter <i>City of Long Beach Official Community Update</i></p>

**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><b>Permit Reference IV.C.2.c.iii.:</b> Design and conduct a public involvement / participation program.</p> <ul style="list-style-type: none"> <li>• Describe activities that the MS4 has/will undertake to provide program access to interested individuals and to gather needed input.</li> <li>• Indicate activities planned for next year.</li> </ul>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>	
<p><b>The Year 5 Draft SWMPAR was made available for public review on April 22, 2008</b></p>	<p><b>The City’s Year 5 SWMPAR and Municipal Compliance Certification will completed and submitted to NYSDEC by June 1, 2008 as required.</b></p>	
<p><b>The City held its annual public meeting on the Year 5 Draft SWMPAR on May 6, 2008, public notice for the meeting was given on April 17, 2008..</b></p>	<p><b>Annual meetings open to the public on the draft SWMP for the preceding permit reporting year are held in April or May of each year.</b></p>	
<p><b>There were three beach clean-up conducted on City beaches by three different organizations</b></p> <ul style="list-style-type: none"> <li>• May 20, 2007 - by the Surf Club</li> <li>• Sept 15, 2007 - the Coastal Clean –up by Citigroup</li> <li>• Sept 29, 2007 - by the Littoral Society</li> </ul>	<p><b>The City will continue to promote these activities</b></p>	
<p><b>Charles T. Theofan, City Manager, is the designated contact person for storm water related issues</b></p>	<p><b>The City Manager will continue to serve as the contact person. Any change in designation will be announced as needed.</b></p>	
<p><b>Permit Reference IV.C.2.a, f:</b> 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><b>Public notice of the availability of the draft Annual Report for review was on April 17, 2008 and the report was available for review at the City Clerks Office, Department of Public Works and the Long Beach Public Library, and the City web-site on April 22, 2008. The City follows the same public notice procedures that is used for all legal Public notices</b></p>		
<p><b>Permit Reference IV.C.2.e:</b> Public presentation of; <b>f:</b> summary of comments received on; and <b>g:</b> intended response to comments on the SWMPAR.</p>		
<p><b>Summarize attendance at the public presentation of the Annual Report. Include number of attendees and who was represented:</b>  <b>The public presentation was made during the regularly scheduled City Council meeting of May 6, 2008. There were no public comments.</b></p>		
<p><b>Comments on Annual Report Meeting</b>  ___ No public comments received on Annual Report.  ___ Comments received. &gt;.</p>	<p><b>Date of Annual Report Meeting:</b>   <b>May 6, 2008 - Year 5</b></p>	<p><b>Approximate Date of Meeting Next Year:</b>   <b>May 2009</b></p>
<p><b>Additional Techniques</b></p>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>	
<p><b>The City Conducts many public meetings each year on proposed development.</b></p>	<p><b>Ongoing</b></p>	

<ul style="list-style-type: none"> <li>• <b>Planning and Advisory Board meet 12 times each year</b></li> <li>• <b>The Zoning Board meets 12 times each year.</b></li> </ul> <p><b>Residents are invited to participate in these meetings</b></p>	
<p>The City is participating with Nassau County in a Phase II storm water intermunicipal partnership partially funded by a state grant; partnership activities/accomplishments are summarized on the County website, <a href="http://www.nassaucountyny.gov/agencies/DPW/PublicInvolvement.html">http://www.nassaucountyny.gov/agencies/DPW/PublicInvolvement.html</a></p>	<p>The City will continue to work in conjunction with the County to develop programs and activities geared toward public involvement/ participation.</p>
<p>Through the Nassau County Storm Water Coalition, storm water public participation and involvement has been promoted through logo and slogan contests, catch basin storm water medallions and volunteer cleanups of the parks, streams and beaches</p>	<p>The City’s activities associated with the partnership with Nassau County will be conducted on an ongoing basis</p>

**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><b>Permit Reference IV.C.3.a:</b> 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"> <li>• <i>Explain the activities and procedures used to meet this requirement this year and planned for next year.</i></li> <li>• <i>Revise as procedures are updated.</i></li> <li>• <i>Identify personnel or outside organization conducting the activities</i></li> </ul>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> <li>• <i>Example measurable goals: number of illicit discharges detected; number of illicit discharges eliminated.</i></li> </ul>
<p><b>In a cooperative arrangement, the Town of Hempstead Bay Constable patrols City waterways &amp; reports any evidence of illicit discharges to City DPW.</b></p>	<p><b>Task is performed on an ongoing basis; no illicit discharges were detected during Reporting Year 5</b></p>
<p><b>The City’s field data-gathering portion of its effort to map the drain pipe network upstream of its outfalls is 85% complete.</b></p>	<p><b>Drain pipe mapping task is scheduled for completion in 2008, the City executed a Contract with Consultant to Complete the drainage network mapping.</b></p>
<p><b>As a coalition partner, the City publicized the Nassau County hotline as a means for citizens in Long Beach to report illegal dumping and illicit discharges.</b></p>	<p><b>Task is performed on an ongoing basis</b></p>
<p><b>The City installed DAS curb markers on ~ 600 catch basins that say “No Dumping, Drain to Bay.”</b></p>	<p><b>Curb markers to be placed on remaining catch basins by the end of 2008, though manpower issues may impact this goal</b></p>
<p><b>Permit Reference IV.C.3.b:</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 and planned for next year, including work on the following IDDE guidance prerequisites:</i></p> <ul style="list-style-type: none"> <li>• field verification of outfall locations;</li> <li>• mapping all inter-municipal subsurface conveyances;</li> <li>• delineating storm sewershed; and</li> <li>• developing and retaining MS4 mapping as needed to find the source and identify illicit discharges. <i>State if maps are in GIS.</i></li> </ul>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> <li>• <i>Example measurable goals: percent of outfalls mapped</i></li> </ul>
<p><b>70% of the City’s storm sewer system has been mapped and placed on the City Geographic Information System (GIS). The City also consults the Nassau County GIS system as reference (100% of outfalls within county GIS mapped - see Appendix A). The City has retained a consultant to complete this task.</b></p>	<p><b>Maps are updated on an ongoing basis as necessary and the City expects to have the remainder of the system mapped and the location of all outfalls re-verified and a dry weather flow inventory in the field by the end of (2008) through a NYSDOS grant. This information will be available on the City’s GIS</b></p>
<p><b>Field verification of approximately 90% of outfall locations was accomplished by City staff</b></p>	<p><b>Field Re verification of all outfall locations in 2008 and a dry weather flow inventory.</b></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 type="checkbox"/> No (go to ADDENDUM 1) <input checked="" type="checkbox"/> Yes (complete questions below)
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**Assessment of Regulatory Mechanism (Local Code)**

<b>1) When was this assessment completed or planned to be completed?  A preliminary assessment of the portions of the City's Code that address storm water was completed on behalf of the South Shore Estuary Reserve Council. The City has enacted a new local law.</b>	Date completed: <u>August 2003</u> <input type="checkbox"/> Not yet completed (proceed to next table) Plan to complete for reporting in year: <u>4</u> ; <u>5</u> .
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<b>2) Is there an existing ordinance, local law or other regulatory mechanism?</b>	<input type="checkbox"/> No (go to question 5) <input type="checkbox"/> Yes
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<b>3) Does the existing regulatory mechanism prohibit illicit discharges as required by the MS4 Permit?</b>	<input type="checkbox"/> No (amendments needed) <input type="checkbox"/> Yes
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<b>4) Does the existing regulatory mechanism include enforcement authorities and procedures as required by the MS4 Permit?</b>	<input type="checkbox"/> No (amendments needed) <input type="checkbox"/> Yes
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**Development of Regulatory Mechanism (Local Codes)**

<b>5) When was this work completed or planned to be completed? (see # 9 Below)</b>	Date completed: _____ <input type="checkbox"/> Not yet completed (proceed to next table) Plan to complete work below for reporting in year: <u>4</u> ; <input checked="" type="checkbox"/> <u>5</u> .
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<b>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?</b>	<input checked="" 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
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<b>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?</b>	<input type="checkbox"/> No ( <b>list is not complete yet</b> ) <input type="checkbox"/> Yes, list the <b>local code(s)</b> that will be changed:
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<b>8) If the existing regulatory mechanism does not require amendments, what language is in the mechanism?</b>	<input checked="" 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 <b>the City adopted the NYS IDDE Model Law</b>
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<b>9) What was the date of local law adoption?</b>	Date: <b>August 21, 2007 Chapter 25 Article VII of the Code of Ordinances for the City of Long Beach, New York</b>
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<b>10) Provide a web address if adopted local law can be found on a web site.</b>	Web Address: <a href="http://www.municode.com/Resources/OnlineLibrary.asp">www.municode.com/Resources/OnlineLibrary.asp</a>
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**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><b>Permit Reference IV.C.3.e:</b> 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"> <li>• <i>Explain activities and materials used to meet this requirement this year <u>and</u> planned for next year</i></li> <li>• <i>Identify personnel or outside organization conducting activities</i></li> </ul>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><b>Public is informed of City IDDE activities through press articles, public meetings, the City storm water website and repository</b></p>	<p><b>Task is performed on an ongoing basis</b></p>
<p><b>City staff undergoes field training on an ongoing basis, and appropriate City staff (DPW, sewer, water, building department, etc..) are informed of important storm water-related issues through meetings; inter-office memoranda. The City used County/grant purchased CD in-house for 12 City Agencies January and February 2007; Refresher training was provide on March 25, 2008 on illicit discharge investigation and activity tracking.</b></p>	<p><b>Task is performed on an ongoing basis</b></p>
<p><b>The Long Beach Police Department issues citations/summonses for improper disposal of refuse (MC 12-1), failure to clean up pet waste (MC 5-21), and failure to use public sewers when required (MC 25-86).</b></p>	<p><b>The P.D. issued thirty (30) summons for improper disposal of refuse, ten (10) summons for nuisance by dog, and 247 summons for failure to use public sewers when required.</b></p>
<p><b>Additional Techniques</b></p>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><b>The City is participating with Nassau County in a Phase II storm water intermunicipal partnership partially funded by a state grant; partnership activities/accomplishments are summarized on the County website at: <a href="http://www.nassaucountyny.gov/agencies/DPW/stormwater.html">http://www.nassaucountyny.gov/agencies/DPW/stormwater.html</a></b></p>	<p><b>The City will continue to work in conjunction with the County to develop programs and procedures geared toward IDDE</b></p>
<p><b>System Inspections/New Sanitary Connections: 100% of the City is on sanitary sewers; inspection of new sanitary connections is performed by the City for all new sanitary installations</b></p>	<p><b>Ongoing</b></p>
<p><b>Through the City’s partnership with the Nassau County Storm Water Coalition training on the detection of illicit discharges was provided to all municipalities’ road maintenance employees, construction inspection supervisors, and sewage treatment plant pre-treatment inspectors. City DPW officials attended the County sponsored training session on 1/23/2007.</b></p>	<p><b>The City’s activities associated with the partnership with Nassau County will be conducted on an ongoing basis.</b></p>
<p><b>Through the City’s partnership with the Nassau County Storm Water Coalition a hotline and email address was set up at the County level for the</b></p>	<p><b>The City’s activities associated with the partnership with Nassau County will be conducted on an ongoing basis.</b></p>

<b>public and the Coalition members to use if an illicit discharge is found</b>  See <a href="http://www.nassaucountyny.gov/agencies/DPW/IllicitDischargeHotline.html">http://www.nassaucountyny.gov/agencies/DPW/IllicitDischargeHotline.html</a>	
<b>Through the Nassau County Storm Water Coalition an active program to detect illicit discharges was conducted at numerous corridor locations in an effort to find illicit discharges</b>	<b>The City's activities associated with the partnership with Nassau County will be conducted on an ongoing basis.</b>
<b>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:</b>	
<b>The City will be looking for dry weather flow in all of its outfalls in 2008 when the mapping verification takes place.</b>	

**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?	<input type="checkbox"/> No (go to ADDENDUM 2) <input checked="" type="checkbox"/> Yes (complete questions below)
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**Preliminary Assessment of Regulatory Mechanism (Local Code)**

1. When was the preliminary assessment of existing local codes completed or when will it be completed?	Date completed: _____ <input type="checkbox"/> Not yet completed (proceed to next table) Plan to complete for reporting in year: _____5. <input type="checkbox"/> Did not do preliminary assessment; proceeded directly to Gap Analysis Worksheets 1-4 or adopted <i>Sample Local Law for Stormwater Management and Erosion &amp; Sediment Control</i> (Sample Local Law).
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2. If preliminary assessment was completed, indicate the results.	<input checked="" type="checkbox"/> If none of Sample Local Law provisions appear in local code; consider adopting Sample Local Law or equivalent <input type="checkbox"/> If few Sample Local Law provisions appear in local code; major revisions needed or consider adopting Sample Local Law or equivalent <input type="checkbox"/> If most of the Sample Local Law provisions appear in local code; minor revisions needed
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**Assessment and Development of Regulatory Mechanism (Local Code)** (continued on next page)

3. When was the Gap Analysis or equivalent process completed or when will it be completed?	Date completed: _____ <input type="checkbox"/> Not yet completed (proceed to next table) Plan to complete work below for reporting in year: _____5.
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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>	a. <input checked="" type="checkbox"/> The entire Sample Local Law adopted as amendments to existing code or as stand alone law. <ul style="list-style-type: none"> <li>• If no portions of the Sample Local Law were moved or deleted, all provisions would be exactly the same as the Sample Local Law.</li> <li>• 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.</li> </ul> b. <input type="checkbox"/> Parts of NYS Sample Local Law adopted as amendments to existing code. c. <input type="checkbox"/> Language developed by municipality was demonstrated to be equivalent.
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**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 <b>exactly the same</b> as the Sample Local Law language	Existing clauses <b>equivalent</b> 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 <b>adopted</b> , listed as <b>legislative agenda</b> items.
1			
2			
3, 4, 5			
6			
<b>TOTAL</b>			

**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)?  
\_\_\_ No  
\_\_\_ Yes, list the **local codes** that will be changed:

**7.** What was the date of local code adoption?  
Date: **August 21, 2007 Chapter 25 Article VI of the Code of Ordinances for the City of Long Beach, New York**

**8.** Provide a web address if the adopted local law can be found on a web site.  
Web Address: [www.municode.com/Resources/OnlineLibrary.asp](http://www.municode.com/Resources/OnlineLibrary.asp) [and follow the links to Long Beach]

**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><b>Permit Reference IV.C.4.b. v:</b> 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"> <li>Describe the procedures below. <u>Revise as procedures are updated.</u></li> </ul>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> <li><i>Example measurable goals: number of plans received; number of plans reviewed; percent of plans received that are reviewed.</i></li> </ul>
<p><b>The Building Department has written procedures and plan review and inspection check lists. To implement the new local law.</b></p> <p>The building department reviews individual pre-construction site plans to ensure consistency with sediment and erosion controls; consideration of storm water quality impacts is included as necessary using the NYS Standards and Specifications for Erosion and Sediment Control and the NYS Storm water Management Design Manual.</p> <p>The City is virtually 100% developed. Construction projects involving disturbance of more than 1 acre is extremely rare. Nevertheless, construction site erosion and sediment control measures are required as part of the City’s building permit application process; consideration of storm water quality impacts is also required as necessary</p>	<p><b>Task is performed on an ongoing basis</b>  <b>Over the past year, the City acted on 1,353 building permit applications. 20 of the permits involved soil disturbance.</b></p> <p><u><b>NONE involved the disturbance of 1 acre or more.</b></u> Thus, the threshold for applying the new local law was not reached in this reporting period</p>
<p><b>Overall construction site waste management is required as part of building permit submissions there is no 1 acre threshold on the existing requirement.</b></p>	<p><b>Task is performed on an ongoing basis</b></p>
<p><b>Permit Reference IV.C.4.b. vi:</b> Develop and implement procedures for the receipt and consideration of information submitted by the public.</p> <ul style="list-style-type: none"> <li>Explain the procedures below. <u>Revise as procedures are updated.</u></li> <li>Identify the responsible personnel or outside organizations.</li> </ul>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><b>The City has open, public meetings on proposed major development as part of the monthly Planning Advisory and Zoning Board meetings. The meetings provide for consideration of comments by the public on building/construction projects. The date and time of the meetings is advertized in the City Calendar that is sent to all residents, and it is posted on the City website</b></p>	<p><b>Conducting planning and zoning board meetings is performed on monthly and advertized.</b></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><b>Permit Reference IV.C.4.b. iii, vii:</b> 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"> <li>Describe each procedure below. <i>Revise as procedures are updated.</i></li> </ul>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> <li>Example measurable goals are number of: inspections; fines assessed; stop work orders; other sanctions.</li> </ul>
<p><b>Construction/post construction inspections are conducted by the Building Dept. Procedures are followed and checklists used. Site inspection and enforcement of control measures are performed by City as necessary; consideration of storm water quality impacts included; has been performed continuously by City staff</b></p>	<p><b>This task is performed on an ongoing basis</b></p> <p><b>The 1 acre of disturbance was not reached on any project since the over the past year</b></p>
<p><b>Current Certificate of Occupancy procedures require that when construction or work is completed and a structure is ready to be occupied, the building inspectors must verify that the work complies with all applicable codes, including those related to storm water management</b></p>	<p><b>This task is performed on an ongoing basis</b></p>
<p><b>Permit Reference IV.C.4.b. viii:</b> Educate and train construction site operators about requirements to develop and implement a SWPPP and any other requirements they must meet <b>within the MS4s jurisdiction.</b></p> <ul style="list-style-type: none"> <li>Explain the activities and materials used to meet this requirement.</li> <li>Identify the personnel or outside organization conducting this activity.</li> <li>Indicate activities planned for next year.</li> </ul>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><b>City Building Department Inspectors receive 24 hours of State In-service Training per year that includes issues in construction storm water management.</b></p>	<p><b>Training conducted in the field on an ongoing basis</b></p>
<p><b>The City Building Department informs construction site operators of their obligations to get a NYSDEC construction activity permit through publication titled “Phase II Stormwater Regulations and the Construction Industry”</b></p>	<p><b>Task performed on an ongoing basis</b></p>
<p><b>Additional Techniques</b></p>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><b>Through the City’s partnership with the Nassau County Storm Water Coalition a sediment and erosion control workshop was held, which was directed at engineers, building code enforcement officers and contractors</b></p>	<p><b>The City’s activities associated with the partnership with Nassau County will be conducted on an ongoing basis.</b></p>
<p><b>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:</b></p>	

**The 1 Acre of soil disturbance threshold for this and MCM 5 will rarely be met. Nevertheless, the City has enacted the local law, instituted review and inspection procedures, and applies a less stringent erosion and sediment control and post construction stormwater management practices of the retention of 2 to 8 inches of runoff (depending on site constraints) to land development of less than an acre.**

**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.

<b>Permit Reference IV.C.5.a, c.</b> 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:	<b>Describe Measurable Goals and Results</b> (when applicable) <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<ul style="list-style-type: none"> <li>• A combination of structural and/or non-structural management practices.</li> <li>• <i>Identify and describe below procedures to ensure installation of post-construction management practices. <u>Revise as procedures are updated.</u></i></li> </ul>	DO NOT ENTER INFORMATION IN THIS CELL
<b>The City assesses conditions and regards on-site storm water retention/infiltration as the primary practice to reduce discharge of pollutants from developed or re-developed properties. The City requires property owners to follow this practice after development. The City does this regardless of whether there is sufficient soil disturbance to trigger the new local law</b>	<b>There have been no development projects that disturbed one acre or more of soil that would trigger inspections under this program over that last year.</b>  <b>As an ongoing activity, the City Building Department conducts site inspections for projects with less than one acre of disturbance</b>
<b>The City requires 2 to 8 inches of retention and infiltration (depending on site constraints) as the primary post construction stormwater management best management practice. Since Long Beach is a barrier island with flat topography retention and infiltration practices are very effective. The City does this regardless of whether there is sufficient soil disturbance to trigger the new local law</b>	<b>The City will continue to require the retention of 2 inches of runoff.</b>
<ul style="list-style-type: none"> <li>• Procedures for site plan and SWPPP review to ensure SWMPs meet state standards.</li> <li>• <i>Describe procedures below. <u>Revise as procedures are updated.</u></i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Example measurable goals include: number of plans received; number of plans reviewed; percent of plans received that are reviewed.</i></li> </ul>
<b>Pursuant to its new local ESC law, the City requires that all construction projects disturbing more than 1 acre of land adhere to the NYSDEC General Permit for Construction Activity. The Building Department does not issue permits for construction unless it is assured that the requirements of the State General Permit (GP-02-01) are met, including the requirement to prepare a Storm Water Pollution Prevention Plan (SWPPP).</b>	<b>Task performed on an ongoing basis. This has not occurred over the past year</b>
<b>The City Building Department informs construction site operators of their obligations to get a NYSDEC construction activity permit. A leaflet is included in the building permit application package informing builders of their obligation to obtain coverage under State Phase II general construction activity permit.</b>	<b>Task performed on an ongoing basis</b>



**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.

<b>Permit Reference IV.C.5.a, c. (continued):</b> 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:	<b>Describe Measurable Goals and Results</b> (when applicable) <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<ul style="list-style-type: none"> <li>• Procedures for inspection and maintenance of post-construction management practices.</li> <li>• <i>Explain procedures below. <u>Revise as procedures are updated.</u></i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Example measurable goals are number of: inspections maintenance activities performed.</i></li> </ul>
<p><b>The City Building Department performs post-construction inspections to confirm compliance with post construction storm water management controls and maintenance. The Building Department uses a written procedure outline and checklist for performing inspections of post construction management practices.</b></p>	<p><b>There have been no development projects that disturbed one acre or more of soil that would trigger inspections under this program over that last year.</b></p> <p><b>As an ongoing activity, the City Building Department conducts site inspections for projects with less than one acre of disturbance</b></p>
<p><b>The City spot checks paved areas after heavy rains to determine whether on-site retention facilities are performing properly. If paved areas are flooded 48 hours after a rain storm, the City requests the property owner to maintain the basin.</b></p>	<p><b>Post-construction spot checks are an ongoing activity.</b></p>
<p><b>The City requires 2 inches of runoff to be retained on-site.</b></p>	<p><b>This practice will continue even for projects disturbing less than an acre.</b></p>
<ul style="list-style-type: none"> <li>• Procedures for enforcement and penalization of violators.</li> <li>• <i>Explain procedures below. <u>Revise as procedures are updated.</u></i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Example measurable goals: number enforcement activities performed.</i></li> </ul>
<p><b>City law requires that enforcement action be taken if property damage occurs</b></p>	<p><b>Ongoing</b></p>
<p><b>The City Building Department and Police Department are fully aware of the terms and conditions of the new ESC law and will provide enforcement if the soil disturbance threshold is met.</b></p>	<p><b>Ongoing</b></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><b>Permit Reference IV.C.5.a, c.</b> (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><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> <li>• Adequate resources for a program to inspect new and re-development sites and for enforcement and penalization of violators.</li> <li>• <i>Describe resources below. Update annually.</i></li> </ul>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><b>The Building Department Staff along with the City Police Department Staff will inspect, enforce and when appropriate penalize violators of the new local law on those rare occasions where there is a disturbance or one acres or more</b></p>	<p><b>The assessment of post-construction storm water management is ongoing. To date the soil disturbance threshold has not been met, so there have been no enforcement opportunities.</b></p>
<p><b>Additional Techniques</b></p>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p><b>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:</b></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"> <li>• This table is for MS4s to report on their OVERALL Municipal Pollution Prevention / Good Housekeeping Program.</li> <li>• A separate table follows that is for MS4s to report on management practices performed in identified municipal operations.</li> <li>• Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures.</li> <li>• Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.</li> </ul>	
<b>Permit Reference IV.C.6.a:</b> Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.	<b>Describe Measurable Goals and Results</b> (when applicable) <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<ul style="list-style-type: none"> <li>• <i>List pollutants that will be addressed by the municipal pollution prevention program.</i></li> </ul>	
<b>Floatables, litter, sediment, nutrients (nitrogen), bacteria, hydrocarbons</b>	
<ul style="list-style-type: none"> <li>• <i>Set and describe pollution prevention priorities by geographic areas, municipal operation type, and facilities.</i></li> </ul>	<b>DO NOT ENTER INFORMATION IN THIS CELL</b>
<b>The City has established programs of street sweeping, catch basin cleaning, pet waste education (including pet waste statues and pet waste stations), solid waste pickup, recycling for paper, plastics, glass and metals and household hazardous waste recycling</b>	<b>All activities are performed on an ongoing basis and will be continued into Year 6 and beyond.</b>
<b>The City follows the EPA Pollution Prevention and Good Housekeeping BMP fact sheets on the EPA website (<a href="http://cfpub.epa.gov/npdes/menuofbmeps/menu.cfm">http://cfpub.epa.gov/npdes/menuofbmeps/menu.cfm</a>) and NYSDEC guidance</b>	<b>The City’s municipal program will continue to evolve using federal and state guidance</b>
<b>Permit Reference IV.C.6.a:</b> Include a municipal pollution prevention training component for staff (where all staff are trained).	
<ul style="list-style-type: none"> <li>• <i>Explain activities and materials used to meet this requirement.</i></li> <li>• <i>Identify training needs and design training components</i></li> <li>• <i>Determine the adequacy and appropriate frequency of staff training.</i></li> <li>• <i>Identify personnel or outside organization conducting activities.</i></li> </ul>	<b>Describe Measurable Goals and Results</b> (when applicable) <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<b>Several members of City staff are firefighters. As such, they receive extensive field training on spill response and emergencies.</b>	<b>There were no significant spills of petroleum or chemical materials during Year 5; spill response training is ongoing</b>
<b>Spill Response Plan is in place; addresses containment and cleanup</b>	<b>There were no significant spills at municipal facilities reported for Year 5</b>
<b>City Fire Department is trained in spill response and containment and the Street Department is trained in spill disposal; NYSDEC is notified when reportable quantities are spilled. Fire Department maintains a public database of all reported spills</b>	<b>Training occurs periodically, throughout the year.</b>

<b>Additional Techniques</b>	<b>Describe Measurable Goals and Results</b> (when applicable) <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<b>The City is participating with Nassau County in a Phase II storm water intermunicipal partnership partially funded by a state grant; partnership activities/accomplishments are summarized on <a href="http://www.nassaucounty.gov/agencies/dpw/stormwater.html">www.nassaucounty.gov/agencies/dpw/stormwater.html</a></b>	<b>The City will continue to work in conjunction with the County to develop procedures geared toward pollution prevention/ good housekeeping. The City received a copy of the County</b>
<b>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:</b>	

**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;  Solid Waste Management;  Other: \_\_\_\_\_

<ul style="list-style-type: none"> <li>• Copy this page and give it to each municipal office or department responsible for reporting.</li> <li>• Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department.</li> <li>• Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures.</li> <li>• Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.</li> </ul>	
<p><b>Permit Reference IV.C.6.a, c:</b> Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from <b>the municipal operation(s) indicated above</b> to the MEP.</p> <ul style="list-style-type: none"> <li>• Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities.</li> </ul>	<p><b>Describe Measurable Goals and Results</b> (when applicable)  <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> <li>• Briefly describe or reference any existing policies and procedures</li> <li>• Briefly describe or reference any policies and procedures being developed</li> </ul>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><b>Existing policies govern the frequency of established programs for street cleaning, catch basin cleaning, and solid waste management activities including: regular garbage pickup, recycling of paper, plastics, glass, and metals; trash container pickup in public areas and beaches; S.T.O.P promotion. The City utilizes a new Vactor Truck for catch basin cleaning. The City will evaluate the County's BMP program for street sweeping, and other storm water BMP when released in 2007.</b></p>	<p><b>Measurable goal is to have completed policy/procedure; Operations completed by the Dept. of Public Works on an ongoing basis:</b></p> <ul style="list-style-type: none"> <li>• Catch basin cleaning –Storm sewer blockage removals-as needed – 112 catch basins were cleaned this year</li> <li>• Litter basket pickups</li> <li>• Street sweeping will continue at a minimum of 5x/week</li> <li>• Catch basin/storm sewer repairs – ongoing as required</li> <li>• Park cleanups – ongoing</li> <li>• S.T.O.P days – 10 events per year</li> <li>• Waste oil pickups – as needed from City Garage</li> </ul>
<ul style="list-style-type: none"> <li>• Briefly describe or reference any existing best management practices</li> <li>• Briefly describe or reference any planned best management practices</li> </ul>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>

<p><b>City BMPs include the Following:</b></p> <ul style="list-style-type: none"> <li>• Batteries are stored and collected for recycling</li> <li>• Antifreeze collected recycled</li> <li>• Waste oil is recycled</li> <li>• Trash baskets and recycling bins along Boardwalk maintained</li> <li>• Vehicle washing is performed indoors</li> <li>• Oil/water separators installed at the DPW location</li> <li>• Beach raking program during summer months (6 part-time employees)</li> </ul>	<p><b>The City will continued the implementation of BMPs and adjust tis program as appropriate. The City is reviewing and will utilize as appropriate, the Generic Operational Pollution Prevention Plans developed by Nassau County that addresses categories of municipal facilities (i.e., DPW yards, parks facilities, marinas, sand/salt storage), The County has recently made this report available.</b></p>
<ul style="list-style-type: none"> <li>• <i>Identify and describe the equipment and staff that are in place</i></li> </ul>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p><b>Street sweeping equipment and additional maintenance equipment are utilized by City staff; The City utilizes a new Vactor truck for catch basin cleaning</b></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;  Solid Waste Management;  Other: \_\_\_\_\_

<ul style="list-style-type: none"> <li>• Copy this page and give it to each municipal office or department responsible for reporting.</li> <li>• Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department.</li> <li>• Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures.</li> <li>• Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.</li> </ul>	
<b>Permit Reference IV.C.6.a, c</b> (continued): Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.	<b>Describe Measurable Goals and Results</b> (when applicable) <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<ul style="list-style-type: none"> <li>• <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i></li> <li>• <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i></li> </ul>	DO NOT ENTER INFORMATION IN THIS CELL
<b>The City utilized USEPA and State BMP guidance and fact sheets for municipal operations in order to enhance current programs and to develop BMPs. The City is using the County Generic BMP Manual to review ways to improve its pollution prevention practices. The City will make adjustments as appropriate</b>	<b>an assessment of the effectiveness of the municipal operation and maintenance program is ongoing. The City has implemented BMP recommended by EPA &amp; DEC, if they are effective or they wouldn't be listed</b>
<b>Permit Reference IV.C.6.a:</b> If there is a training component for staff specific to these municipal operations: <ul style="list-style-type: none"> <li>• <i>explain the activities and materials;</i></li> <li>• <i>identify the personnel or outside organization conducting the activities.</i></li> </ul>	<b>Describe Measurable Goals and Results</b> (when applicable) <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<b>City Building Department Inspectors receive 24 hours per year of training on inspection requirements, including issues related to storm water management. The fire department continuously trains firefighters (several of which are DPW staff members) on spill prevention and response. In-house training sessions were conducted in Jan &amp; Feb 2007 using the CD program purchased through the County Coalition Grant. These sessions were attended by the City: Building Dept, Police Dept, Public Works (Rd. Maint, Sewer Maint., Beach Maint. Water Maint, and Sanitation) Public Relations, Corporation Council, and the City Manager. Program review was conducted by the City's consultant on March 25, 2008.</b>	<b>Periodic training is conducted on an ongoing basis.</b>
<b>Additional Techniques</b>	<b>Describe Measurable Goals and Results</b> (when applicable) <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<b>The City is participating with Nassau County in a Phase II storm water</b>	<b>The City will continue to work in conjunction with the County to</b>

<b>intermunicipal partnership partially funded by a state grant; partnership activities/accomplishments are summarized on the County website at <a href="http://www.nassaucountyny.gov/agencies/DPW/PollutionPreventionandGoodHousekeeping.html">http://www.nassaucountyny.gov/agencies/DPW/PollutionPreventionandGoodHousekeeping.html</a></b>	<b>develop practices geared toward pollution prevention/ good housekeeping</b>
<b>Through the City’s partnership with the Nassau County Storm Water Coalition an evaluation of current municipal operations and the development of a generic operation and maintenance program for use by various agencies has been initiated</b>	<b>The City’s activities associated with the partnership with Nassau County is conducted on an ongoing basis</b>
<b>Through the City’s partnership with the Nassau County Storm Water Coalition the development of model pollution prevention plans for various types of operations has been initiated</b>	<b>The City’s activities associated with the partnership with Nassau County will be conducted on an ongoing basis</b>
<b>The Police Department issues summonses for improper disposal of refuse, improper disposal of refuse on beaches and failure to observe the city pooper scooper law</b>	<b>This activity is conducted on an ongoing basis. The police department issued thirty (30) summonses for improper disposal of refuse</b>
<b>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:</b>	

**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**) [**to be determined**]
- Intended response to comments on the annual report (**Required**) [**to be determined**]
- Results of information collected and analyzed, including monitoring data; evaluation of assessment (modeling) of pollutant discharges, including modeling results and pollutant transport trends.
- Other copy of the map of stormwater outfalls within the City

# Appendix A

