



**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: New York State Thruway Authority SPDES Permit Number: NYR20A 024**

See information packet for information to help complete this form.

MCC Form for year ending: March 9, ___ 2006 (Year 3) ___ 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 ___ No			
Name: Michael Monahan		Title: Business Development Specialists I	Department: Environmental Services Bureau
Mailing Address:	Street or P.O. Box: 200 Southern Blvd.		City: Albany
	County: Albany		State: New York Zip Code: 12209
Phone: ( 518 ) 471-5942		E-mail Address: Mike_Monahan@thruway.state.ny.us	
<b>Local Stormwater Public Contact</b> (Required by Minimum Measure 2)			
Is information below: 1) new or changed? <u>X</u> Yes ___ No 2) same as: <u>X</u> Owner/Operator			
Name:		Title:	Department:
Mailing Address:	Street or P.O. Box:		City:
	County:		State: Zip Code:
Phone: ( )		E-mail Address:	
<b>Stormwater Management Program (SWMP) Coordinator</b> (Responsible for implementation/coordination of SWMP)			
Is information below: 1) new or changed? <u>X</u> Yes ___ No 2) same as: <u>X</u> Owner/Operator ___ Local Stormwater Public Contact			
Name:		Title:	Department:
Mailing Address:	Street or P.O. Box:		City:
	County:		State: Zip Code:
Phone: ( )		E-mail Address:	
<b>Annual Report Preparer</b>			
Is information below: 1) new or changed? ___ Yes <u>X</u> No 2) same as: ___ Owner/Operator ___ Local Stormwater Public Contact ___ SWMP Coordinator			
Name: Matthew Yonkin, P.E., BCEE Malcolm Pirnie, Inc.		Title: Associate	Department:
Mailing Address:	Street or P.O. Box: 43 British American Boulevard		City: Latham
	County: Albany		State: New York Zip Code: 12110
Phone: ( 518 )782-2100		E-mail Address: myonkin@pirnie.com	

**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 [Update based on new GIS delineation] (from 303 (d) list and/or TMDL)	Pollutant(s) of Concern (from 303 (d) list and/or TMDL)	Classification	
		303 (d)	TMDL
Onondaga Lake			X
Long Island Sound			X
New York City Watershed			X
Bigelow Creek and tribs	Silt/Sediment	X	
Black Creek, Upper, Lower, and minor tribs	Phosphorus	X	
Black Rock Canal	PCBs	X	
Blind Brook, Upper, and tribs to Milton Harbor	Silt/Sediment	X	
Bronx River, Upper, and tribs	D.O./Oxygen Demand, Pathogens	X	
Buffalo River	PCBs	X	
Chittenango Creek, Lower, and tribs	Nutrients, Phosphorus	X	
Ellicott Creek, Lower, and tribs	Phosphorus	X	
Genesee River, Middle, Main Stem	D.O./Oxygen Demand, Phosphorus	X	
Harlem River	PCBs	X	
Hudson River	Cadmium, PCBs, Sediment	X	
Hutchinson River, Lower, and tribs	D.O./Oxygen Demand, Oil and Grease, Pathogens	X	
Krum Kill, Upper, and tribs	Unknown Toxicity	X	
Lake Erie (Erie Basin)	PCBs	X	
Lake Erie (Main Lake, South)	Pathogens, PCBs	X	
Ley Creek and tribs	Ammonia, Phosphorus, Unknown Toxicity	X	
Little Sister Creek, Lower, and tribs	Pathogens, Phosphorus	X	
Long Island Sound, Westchester Co Waters	Pathogens	X	
Mamaroneck River, Upper, and minor tribs	D.O./Oxygen Demand, Silt/Sediment	X	
Mohawk River, Main Stem	Copper, DO/O2, Float, Pathogens	X	
Mohawk River/NYS Barge Canal, Main Stem	PCBs	X	
Murder Creek, Lower, and tribs	D.O./Oxygen Demand, Phosphorus	X	
Sheldrake River	Chlordane, Dieldrin	X	
Niagara River, Upper, Main Stem	PCBs	X	
Ninemile Creek, Lower, and tribs	Pathogens, Phosphorus	X	

Oak Orchard Cr, Upper, and tribs	Phosphorus	<input checked="" type="checkbox"/>	
Onondaga Lake, northern end	Ammonia, Phosphorus	<input checked="" type="checkbox"/>	
Patroon Creek and tribs	D.O./Oxygen Demand	<input checked="" type="checkbox"/>	
Pond Brook and tribs	D.O./Oxygen Demand	<input checked="" type="checkbox"/>	
Port Chester Harbor	Floatables, Pathogens, PCBs	<input checked="" type="checkbox"/>	
Quassaic Creek, Lower, and minor tribs	Unknown Toxicity	<input checked="" type="checkbox"/>	
Ransom Creek, Upper, and tribs	D.O./Oxygen Demand, Pathogens	<input checked="" type="checkbox"/>	
Rush Creek and tribs	Pathogens, Phosphorus	<input checked="" type="checkbox"/>	
Sheldrake River	Chlordane, Dieldrin	<input checked="" type="checkbox"/>	
Skaneateles Creek and tribs	PCBs	<input checked="" type="checkbox"/>	
South Branch Smoke Cr, Lower, and tribs	Phosphorus, Silt/Sediment	<input checked="" type="checkbox"/>	
Tonawanda Creek, Middle, Main Stem	Phosphorus	<input checked="" type="checkbox"/>	
Two Mile Creek and tribs	Floatables, D.O./Oxygen Demand, Pathogens	<input checked="" type="checkbox"/>	
Valatie Kill, Middle, and tribs	PCBs	<input checked="" type="checkbox"/>	
Westchester Creek	D.O./Oxygen Demand	<input checked="" type="checkbox"/>	
2. Have you received notification from the Department that you are subject to the special conditions in Part III.B. of the permit?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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**

**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:

**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:

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 Thruway received a one-time grant in the amount of \$16,145 from the Hudson River Estuary Grant Program for a public education and outreach initiative. All other funding for the development and implementation of the SWMP has been obtained through the Thruway's annual operating budgets.

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

Explain:

**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 *and* 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 ONLY	
		Steady Progress	Goals Achieved
IV.C.1.	Public Education and Outreach on Stormwater Impacts Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	<input checked="" type="checkbox"/> Yes ___ No ___ N/A
IV.C.2.	Public Involvement / Participation Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	<input checked="" type="checkbox"/> Yes ___ No ___ N/A
IV.C.3.	Illicit Discharge Detection and Elimination Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	<input checked="" type="checkbox"/> Yes ___ No ___ N/A
IV.C.4.	Construction Site Stormwater Runoff Control Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	<input checked="" type="checkbox"/> Yes ___ No ___ N/A
IV.C.5.	Post-Construction Stormwater Management Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	<input checked="" type="checkbox"/> Yes ___ No ___ N/A
IV.C.6.	Pollution Prevention / Good Housekeeping for Municipal Operations Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	<input checked="" type="checkbox"/> Yes ___ No ___ 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 - 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: New York State Thruway Authority SPDES Permit Number: NYR20A 024**

Annual Report Table for year ending: March 9, \_\_\_\_ 2006 (Year 3) \_\_\_\_ 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 - 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><i>Printed Material</i> - Developed a Stormwater Pollution Prevention educational brochure to inform Thruway Travelers of the effects of stormwater pollution and the measures that they can take to prevent it. Approximately 500 of these brochures were distributed at the NYS Fair in Syracuse, while another 10,000 brochures were distributed to NYSTA Service Areas across the state. Approximately 1,500 brochures were set aside for distribution at Thruway and Canal Events and another 3,000 for distribution at Canal facilities.</p>	<p>Completed in Year 2.</p>
<p>Brochure posted on NYSTA website</p>	<p>Completed in Year 3.</p>
<p><i>Printed Material</i> - Updated the educational brochure to reflect the public education and outreach campaign that began in Year 3. This brochure was distributed at the NYS Fair, Service Areas, Thruway and Canal Events, and Canal facilities.</p>	<p>Completed in Year 5.  Distributed 16,000+ in Year 5.</p>
<p><i>Displays</i> - Received a grant from Hudson River Estuary Program to develop and construct a stormwater exhibit at the Children’s Museum of Science and Technology (CMOST). This interactive, hands on watershed model displays a portion of the Hudson River watershed and illustrates how non-point source pollution can reach waterways. This model and supporting materials educates on prevention of stormwater pollution and provides information on the actions being undertaken by the NYSTA. This exhibit can be visited at the Children’s Museum of Science &amp; Technology located in Troy, NY.</p>	<p>Completed in Year 4.</p>

<p><i>Event</i> - Coordinated CMOST event to debut stormwater exhibit. Ongoing use of the exhibit and educational activities are administered by CMOST personnel with technical support, as appropriate, from NYSTA and their consultants.</p>	<p>Event held in Year 5.</p>
<p><i>Displays</i> - Developed stormwater educational poster boards and exhibit fact sheet for CMOST event.</p>	<p>Completed in Year 4. Distributed in Year 5.</p>
<p><i>Printed Material</i> - Created a children's activity book for stormwater awareness. This children's coloring book and activity guide was developed for children grade K-6. A word scramble, word search and coloring pages help teach kids how to keep water clean.</p>	<p>Completed in Year 4. Distributed in Year 5. Distributed 250+ in Year 5.</p>
<p><i>Printed Material</i> - Developed a brochure titled, "Protecting Clean Water". This brochure provides information about the MS4 program and describes best management practices that are used by the NYSTA and NYSCC during maintenance and construction activities to protect clean water. This brochure was a collaboration between the NYSTA, NYSCC and NYSDOT.</p> <p>This brochure will be distributed to targeted audiences such as those attending public information meetings for Thruway capital projects.</p>	<p>Draft completed in Year 5. Scheduled for distribution in early 2008.</p> <p>Ongoing Task</p>
<p><i>Pet Waste Management</i> - Pet waste management education was provided in the Stormwater Pollution Prevention brochure that was developed for Thruway travelers.</p>	<p>The brochure was completed in Year 2.</p>
<p><i>Trash Management</i> - The Thruway collects debris along the highway right-of-way in the spring of each year and as-needed. Trash receptacles and dumpsters are provided at service areas, maintenance facilities, and other Thruway facilities.</p> <p>The Authority is advancing a new program to provide recycling containers for glass, plastic, newsprint and aluminum cans at Thruway Travel Plazas. Initially, containers were placed at six of the busiest Travel Plazas. Full deployment is anticipated in spring 2008, at which time all 27 Travel Plazas will be equipped with recycling containers.</p>	<p>Trash management is ongoing.</p> <p>Ongoing Task</p>
<p><i>Printed Material</i> - Developed general stormwater pollution prevention fact sheet. These fact sheets are provided on the NYSTA website and were distributed at NYSTA and NYSCC events.</p>	<p>Completed in Year 5 Distributed 500+ in Year 5.</p>
<p><i>Printed Material</i> - Created and distributed environmental reminder cards that serve as a quick reference for maintenance staff and supervisors when performing their daily tasks. These cards outline environmental considerations, best management practices, and internal contact information for further information on environmental concerns. In addition, these cards have been</p>	<p>Completed in Year 5.</p>

posted on the Authority’s Maintenance and Operations Intranet page.	
<i>Video</i> - Developed a video to educate service area visitors on pollution prevention. This video defines the term “watershed” and explains how pollution can find its way to waterways. It also describes how individuals can reduce and/or prevent pollution. This video is shown on a loop at all 27 Travel Plazas and can be downloaded on the Thruway website.	Completed in Year 5.
<i>Website</i> - Updated Thruway website content and added informational links about Thruway events, brochures, posters, and fact sheets. <a href="http://www.nysthruway.gov/environmental/drops/index.html">http://www.nysthruway.gov/environmental/drops/index.html</a>	Completed in Year 5
<i>Intranet</i> – Updated the Thruway intranet content and added informational links about brochures and posters.	Completed in Year 5
<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)
Stenciled storm drains at all 27 Thruway Travel Plazas to educate the public that the catchbasins discharge to waterways.	Completed in Year 5.
Developed a Stormwater Strategy Document to summarize the manner in which the NYSTA addressed each of the six minimum controls during the initial 5-year SWMP implementation period and to provide a strategy for implementation of initiatives into the next stormwater permit cycle. This document will be updated once the final permit is issued and will become the NYSTA’s formal SWMP document, as required in the new permit.	Completed in Year 5
<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>	
In lieu of developing an Environmental Stewardship brochure as originally planned for Year 5, a stormwater specific brochure was developed. This brochure is titled, “Protecting Clean Water”. This brochure provides information about the MS4 program and describes best management practices that are used by the NYSTA and NYSCC to protect clean water. It was decided that this brochure better met the intent of the MS4 program.	

**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.

<b>Permit Reference IV.C.2.c.iii.:</b> Design and conduct a public involvement / participation program. <ul style="list-style-type: none"> <li>Describe activities that the MS4 has/will undertake to provide program</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)
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<p><i>access to interested individuals and to gather needed input.</i></p> <ul style="list-style-type: none"> <li>• <i>Indicate activities planned for next year.</i></li> </ul>	
<p>Retained a firm that specializes in public outreach. They have developed and implemented a stormwater pollution prevention campaign. They have developed a new logo and a new “Connect the Drops” slogan in support of this campaign. The new slogan and logo were integrated into all outreach materials.</p>	<p>Logo and slogan completed in Year 3.</p>
<p>Participated in CMOST media event which introduced the exhibit which illustrates non-point source pollution, educates on prevention of stormwater pollution, and provides information on the pollution prevention actions being undertaken by the NYSTA.</p>	<p>Completed in Year 5.</p>
<p>Orchestrated storm drain stenciling at the Guilderland Service Area with a local fourth grade class as an educational event. In addition to the stenciling, a lesson was given to show how pollution enters the storm sewers and is flushed to waterbodies. A children’s fact sheet (“Clean Water Everyone Can Help!”) was also provided to remind the students of what they can do to prevent pollution from entering waterways.</p>	<p>Educational event completed in Year 5.</p>
<p>Continued to contact and work with public interest and community organizations to ensure their participation in special events planned for Year 5 and in years to come.</p>	<p>Task is ongoing.</p>
<p>Held four tabling events across the Thruway where Connecting the Drops informational materials were handed out to the public. Materials included brochures, fact sheets, children activity books as well as magnets with the Connecting the Drops logo and slogan.</p>	<p>Completed in the Summer of Year 5.  Distributed approximately 100 brochures, fact sheets, children activity books, and magnets.</p>
<p>Postcard mailing to environmental and community organizations to notify them of the availability of the pollution prevention materials on the NYSTA website and to introduce the Thruway’s Connecting the Drops campaign.</p>	<p>Completed in March 2008.</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>The Annual Reports have been posted on the NYSTA website (<a href="http://www.nysthruway.gov/environmental/ms4s.html">http://www.nysthruway.gov/environmental/ms4s.html</a>) and made available at the NYSTA Division Headquarters for public review and comment. In addition, the Annual Report was announced in the NYSDEC’s Environmental Notice Bulletin, which contained links to the NYSTA website. The NYSTA also mailed letters to all adjacent MS4s to provide information about the NYSTA’s program, as well as links to the NYSTA website which contains the Annual Reports. The public was invited to comment either by phone, mail, or email.</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>  Since the NYSTA is a non-traditional MS4 with public access generally being transient in nature, the NYSTA has not conducted a presentation of the Annual Report. With limited access to a fixed population and no central area to provide a public presentation, the NYSTA has instead made the reports accessible on their website, at the Division Headquarters, and through request. To date, the public has never commented on the NYSTA Annual Reports, which have been made available online and announced through the Environmental News Bulletin.</p>		
<p><b>Comments on Annual Report Meeting</b>  <input checked="" type="checkbox"/> No public comments received on Annual Report.  <input type="checkbox"/> Comments received. <b>Attach summary of comments and intended responses.</b></p>	<p><b>Date of Annual Report Meeting:</b>  N/A</p>	<p><b>Approximate Date of Meeting Next Year:</b>  N/A</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><i>Advisory /Partner Committees</i> - NYSTA has participated in Partnering Committees with the NYSDOT and NYSDEC to address the many issues identified during implementation of the general permit. NYSDOT and NYSTA have met with NYSDEC to discuss the Transportation Construction Guidance and the IDDE guidance. The NYSTA and NYSDOT often collaborate on MS4 matters.</p>	<p>This Task is ongoing.</p>	
<p><i>Community Hotlines</i> – The NYSTA provides contact information on their educational brochures and website for public questions and comments.</p>	<p>Ongoing Task.</p>	
<p><i>Volunteer Monitoring</i> – The NYSTA developed Stormwater Pollution Prevention brochures to educate the public on how they help to reduce pollution and what illicit discharges look like so they can identify them and report them.</p>	<p>Completed Year 2 and Updated in Year 5.</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> N/A</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 <u>and planned for next year.</u></i></li> <li>• <i><u>Revise as procedures are updated.</u></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>The NYSTA inspected all outfalls at Thruway owned facilities and along the Thruway right-of-way for evidence of illicit discharges. A total of 1,174 stormwater outfalls were inspected, surveyed and mapped.</p>	<p>Completed in Year 4.</p>
<p>The NYSTA Environmental Specialists revisited outfalls that were identified as showing some evidence of a potential illicit discharge and, if necessary, further investigations were performed to determine if an illicit discharge exists and, if necessary, implement appropriate remedial action. The Environmental Specialists also coordinate with Section maintenance staff routinely to discuss any environmental concerns they may have, which would include potential illicit discharges.</p>	<p>Task completed Year 5. Ongoing Task.</p>
<p>The NYSTA developed and mailed a letter to MS4s located adjacent to the Thruway. The letter summarizes some of the key components of NYSTA's SWMP and requests their support in locating and eliminating illicit discharges within their area of jurisdiction. As a result of this letter NYSTA has been contacted and has shared their MS4 educational materials with adjacent MS4s.</p>	<p>Completed in Year 4.</p>
<p>Conducted an evaluation of NYSTA facilities, equipment, and operations to determine the potential for illicit discharges. This was done to ensure that best management practices were in place to reduce the chance of an illicit discharge from occurring.</p>	<p>This facility evaluation was completed in Year 2. The update of maintenance directives and implementation of BMPs was completed in Year 5. Ongoing Task.</p>
<p>Utilized the 303(d) GIS file provide by the NYSDEC in November of 2007 to identify the NYSTA facilities and sections of highway that discharge to a 303(d) or TMDL impaired watershed.</p> <p>Information packets with this information will be distributed to the four Thruway Divisions.</p>	<p>Completed in Year 5.</p> <p>Scheduled for 2008</p>
<p>Continue to update BMPs to reduce the potential to release the pollutants of concerns in 303(d) and TMDL watershed areas.</p>	<p>The initial update of BMPs was completed in Year 5. Ongoing Task.</p>
<p>Continue to update Maintenance Directives for reporting illicit discharges.</p>	<p>The initial update of MDs were completed in Year 5. Ongoing Task.</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. <b>State if maps are in GIS.</b></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>The NYSTA located, mapped, and inspected all outfalls at Thruway owned facilities and along the Thruway right-of-way within the NYSDEC regulated MS4 areas. A total of 1,174 outfalls were surveyed using GPS equipment. All outfalls were mapped in GIS.</p>	<p>Outfall mapping completed in Year 4.</p>
<p>The NYSTA developed a final GIS outfall file for the New York State GIS Clearinghouse so that it may be shared with other municipalities.</p> <p>This file will be posted on the Clearinghouse.</p>	<p>Completed Year 5</p> <p>Scheduled for 2008</p>

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

<p><b>Permit Reference IV.C.3.c:</b> 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. <b>See the instructions for information about completing this section.</b></p>	
<p>Does the MS4 have the legal authority to enact ordinances, local laws or other regulatory mechanisms?</p>	<p><input checked="" type="checkbox"/> No (go to ADDENDUM 1)  <input type="checkbox"/> Yes (complete questions below)</p>
<p align="center"><b>Assessment of Regulatory Mechanism (Local Code)</b></p>	
<p>1) When was this assessment completed or planned to be completed?</p>	<p>Date completed: _____  <input type="checkbox"/> Not yet completed (proceed to Permit Reference IV.C.3.e)  Plan to complete for reporting in year: ___4; ___5.</p>
<p>2) Is there an existing ordinance, local law or other regulatory mechanism?</p>	<p><input type="checkbox"/> No (go to question 5)  <input type="checkbox"/> Yes</p>
<p>3) Does the existing regulatory mechanism prohibit illicit discharges as required by the MS4 Permit?</p>	<p><input type="checkbox"/> No (amendments needed)  <input type="checkbox"/> Yes</p>
<p>4) Does the existing regulatory mechanism include enforcement authorities and procedures as required by the MS4 Permit?</p>	<p><input type="checkbox"/> No (amendments needed)  <input type="checkbox"/> Yes</p>

<b>Development of Regulatory Mechanism (Local Codes)</b>	
<b>5)</b> When was this work completed or planned to be completed?	Date completed: _____ <input type="checkbox"/> Not yet completed (proceed to Permit Reference IV.C.3.e) Plan to complete work below for reporting in year: <input type="checkbox"/> 4; <input type="checkbox"/> 5.
<b>6)</b> 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
<b>7)</b> 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 <b>local code(s)</b> that will be changed:
<b>8)</b> 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
<b>9)</b> What was the date or is the planned date of local law adoption?	Date:
<b>10)</b> 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.

<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. <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>	<b>Describe Measurable Goals and Results</b> (when applicable) <b>Indicate:</b> Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
Good housekeeping pollution prevention posters were developed and distributed to all NYSTA maintenance facilities and wastewater treatment facilities, to educate them on identifying/preventing illicit discharges.	Completed Year 3.
Updated the good housekeeping pollution prevention posters and posted them on the Thruway website and the Maintenance and Operations page on the Thruway Intranet.	Completed Year 5.
Developed an educational Oil Water Separator poster and distributed it to	Completed in Year 5.

<p>NYSTA maintenance facilities to remind employees on the proper use and maintenance of oil water separators. The Oil Water Separator poster was also posted on the Thruway website and will be posted on the intranet in 2008.</p>	<p>Completed in Year 5</p>
<p>Developed and distributed a Good Cleaning Practices poster to all Service Areas to educate food service vendor staff about pollution prevention and proper operation and maintenance best management practices for grease traps, dumpster areas, and wash water disposal.</p>	<p>Completed in Year 5.</p>
<p>Trained employees on how to identify evidence of sanitary waste and other illicit discharges from adjacent municipalities and industries. Determined simple methods of detection and notification that can be incorporated into the daily roles and responsibilities of maintenance crews during regular maintenance and inspection activities</p>	<p>Developed Good Housekeeping posters to educate employees how to identify sources of illicit discharges in Year 3. Developed a Maintenance Directive for reporting signs of illicit discharges in Year 5.</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>N/A</p>	<p>N/A</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>	
<p>N/A</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?	<input checked="" type="checkbox"/> No (go to ADDENDUM 2) <input 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: _____ Not yet completed (proceed to Permit Reference IV.C.4.b.v) 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 &amp; Sediment Control</i> (Sample Local Law).
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2. If preliminary assessment was completed, indicate the results.	___ 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
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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: _____ Not yet completed (proceed to Permit Reference IV.C.4.b. v) Plan to complete work below for reporting in year: ___4; ___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. ___ 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. ___ Parts of NYS Sample Local Law adopted as amendments to existing code. c. ___ 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			
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)?**

No  
 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><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>• Example measurable goals: number of plans received; number of plans reviewed; percent of plans received that are reviewed.</li> </ul>
<p>New projects are reviewed by project managers, environmental staff and construction staff to ensure the design and location of the project will not negatively impact water quality.</p>	<p>Review process specific to MS4 program completed during Year 3.</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>Descriptions of major construction work are available on the NYSTA website and plans are available in hardcopy format through appropriate procedures. Large capital projects often have public open houses and/or public hearings that allow the public the opportunity to provide input on the project during its scoping and design phases.</p>	<p>Completed in Year 1.</p> <p>Ongoing Task</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. <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>Example measurable goals are number of: inspections; fines assessed; stop work orders; other sanctions.</li> </ul>
<p>The Division Construction staff currently performs site inspections of all construction projects within their jurisdiction to ensure that erosion and sediment controls are installed and functioning as required by the project SWPPP. In addition, most capital construction projects have consultant inspectors that are responsible for inspecting the work to ensure compliance with the Contract Documents.</p> <p>Created a Design Guidance manual for designers and construction staff outlining the requirements of GP-02-01, including site inspection requirements.</p> <p>Adopted the NYSDOT’s Design Requirements and Guidance for State Pollutant Discharge Elimination System (SPDES) General Permit GP-02-01</p> <p>The NYSTA has adopted NYSDOT Engineering Bulletin (EB) EB 04-023 that provides inspection procedures for implementing the general permit (GP-02-01) on construction projects.</p>	<p>Procedures completed in Year 1 and have been updated as-needed.</p> <p>The NYSTA Design Manual was completed during Year 1.</p> <p>Completed Year 4.</p> <p>Adopted NYSDOT EB 04-023 during Year 3.</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>Completed MS4 awareness training of environmental specialists, construction site inspectors, and maintenance crews.</p> <p>Construction site training was given to construction project engineers, inspectors and consultants. Training included an overview of the Phase II regulations, the hydrologic and hydraulic analysis associated with these requirements, erosion and sediment control, and a review of the NYSTA construction and contractor requirements.</p> <p>Thruway designers in Albany Division attended several training workshops conducted by an environmental consultant to review the design process for permanent stormwater controls at a current project site.</p> <p>NYSTA participated in the 19th Annual Association of General Contractors of America Technical Conference with the NYSDOT.</p> <p>During the Interchange 23 construction project, the NYSTA conducted several meetings with the contractor to outline the requirements for erosion and sediment control. The meetings were held to assist contractors by clarifying the controls required for each phase of construction.</p>	<p>Completed Year 1.</p> <p>Completed Year 1.</p> <p>Completed Year 3.</p> <p>Completed Year 3.</p> <p>Completed Year 3.</p>
<p>Conducted General Awareness training at the Annual Maintenance meeting.</p> <p>The Annual Construction Meeting provided technical sessions on construction site inspections, erosion and sediment control, hydraulics and hydrology, and design of permanent stormwater controls.</p> <p>The NYSTA provides several opportunities for stormwater training throughout the year. Some of the training that occurred in Year 5 includes the following: Staff attended the Central and Western NY Stormwater Management Conference.</p> <p>Staff attended the Stormwater Conference for the Lower Hudson River Soil Conservation District.</p> <p>Staff attended the National Highway Institute's Stormwater Runoff two-day</p>	<p>Completed Year 4.</p> <p>Completed Year 4.</p> <p>Completed Year 5</p> <p>Completed Year 5</p> <p>Completed Year 5</p>

<p>course.</p> <p>Staff attended the Wetlands Forum</p>	<p>Completed Year 5</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><i>Construction Site Waste Management</i> - Construction site waste management is currently enforced through contract documents, maintenance directives, and through lease and occupancy permits. These controls were reviewed and updated as necessary to meet permit requirements. Construction requirements are outlined in Contract Specifications which are written in compliance with DOT's EIs and EBs for GP-02-01 requirements.</p>	<p>Evaluations of the policies, contract details, permits, and specifications were completed in Year 5. This will continue to be an Ongoing Task.</p>
<p><i>Review existing erosion and sediment control policies and procedures for construction</i> - Existing policies and guidance documents related to construction operations continued to be evaluated to determine if they met the erosion and sediment control and pollution prevention requirements of the Phase II permit.</p>	<p>Draft maintenance directives (MDs) and job activity documents were evaluated and updated as necessary during Year 3 and Year 4 for several Thruway maintenance activities. These documents were finalized and implemented in Year 5. The development and revision of MDs is an ongoing process.</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> <p>A NYSTA Design Guidance manual was created in Year 1 to outline the requirements of GP-02-01, specific to NYSTA operations. During Year 4 an addendum was planned to be developed to address updates and new guidance material that had been provided by NYSDEC. Rather than updating its own manual, the NYSTA adopted NYSDOT guidance documents. This will promote consistency or practice between the NYSDOT and NYSTA.</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> 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>• 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>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The NYSTA construction projects that require the construction of permanent stormwater controls have consultant inspectors that are responsible for inspecting the construction of permanent controls to ensure compliance with the Contract Documents.</p> <p>Existing policies and procedures regarding Post-Construction Runoff Control have been reviewed and will continue to be reviewed and updated as the Phase II Permit evolves.</p>	<p>Procedure in place Year 1.</p> <p>Policy review completed in Year 5.</p>
<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>
<p>Training was given to project engineers, inspectors and consultants. Training included an overview of the Phase II regulations, the hydrologic and hydraulic analysis associated with these requirements, erosion and sediment control, and a review of the NYSTA construction and contractor requirements.</p> <p>New projects with permanent controls are reviewed by project managers and environmental staff.</p> <p>The calculations and an outline of the design process for a designing a permanent stormwater control was documented and incorporated into an example problem that other designers use for in-house designs for construction projects.</p>	<p>Completed in Year 1.</p> <p>Ongoing Task.</p> <p>Completed in Year 4.</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>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>During Year 2, the NYSTA began developing a draft “Long Term Operation and Maintenance of Permanent Stormwater Controls Manual, to provide a reference document for Thruway maintenance personnel on the proper inspection and maintenance of stormwater control such as ponds, infiltration basins, and bioretention facilities. Instead of finalizing the NYSTA Long Term Operation and Maintenance of Permanent Stormwater Controls Manual, NYSTA has opted to use the NYSDOT guidance document on proper operation and maintenance of permanent stormwater controls as guidance in the development of formal NYSTA guidance. This will maintain consistency of practice for the two largest transportation agencies in NY. In addition, NYSTA modified maintenance guidance materials on right of way practices, to provide information on the proper operations and maintenance of various right of way facilities including permanent stormwater and other maintenance controls and activities.</p>	<p>Completed in Year 5.</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>Post-construction runoff control is currently regulated through Contract Documents, NYSTA MDs and SOPs, and through lease and occupancy permits. These controls were reviewed and updated as necessary to meet permit requirements. NYSTA complies with NYSDOT’s EIs and EBs for GP-02-01 requirements.</p> <p>Post-construction sites are monitored by maintenance staff. If violations are found, corrective actions will be taken and reported in the State Agency Environmental Audit.</p>	<p>The NYSTA completed the review and update of mechanisms to regulate post construction runoff in Year 5. These included reviewing and updating job activities, maintenance directives, and contract specifications and details.</p> <p>Ongoing Task</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>Maintenance and environmental staff inspect permanent stormwater controls to ensure they are being properly maintained.</p> <p>Most construction projects have consultant inspectors that are responsible for inspecting the construction of permanent controls to ensure compliance with the Contract Documents.</p>	<p>Ongoing Task</p> <p>Ongoing Task</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>N/A</p>	<p>N/A</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> <p>Instead of finalizing the NYSTA Long Term Operation and Maintenance of Permanent Stormwater Controls Manual, the NYSTA has opted to use the NYSDOT guidance document on proper operation and maintenance of permanent stormwater controls as guidance in the development of formal NYSTA guidance. This will maintain consistency of practice for the two largest transportation agencies in NY. In addition, NYSTA has modified maintenance guidance materials on right of way practices, to provide information on the proper operations and maintenance of various right of way facilities including permanent stormwater and other maintenance controls and activities.</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>	
<p><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.</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>• <i>List pollutants that will be addressed by the municipal pollution prevention program.</i></li> </ul>	
<p>Pesticides, oil, detergents, degreasers, vehicle fluids, sediment, lead, sewage, salt, de-icer, paint</p>	
<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>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>NYSTA facilities, including maintenance facilities, storage areas, toll plazas and service areas, were evaluated by an outside consultant to determine if the best management practices are being utilized. A representative sample of these facilities was visited across the State to review operations and assess the potential environmental impacts that such activities may have on the stormwater discharges. Operations that were evaluated included pesticide storage and application, vehicle maintenance, bridge maintenance, highway maintenance activities, right-of-way mowing, fueling operations, restaurant facilities, chemical and petroleum storage, wastewater treatment operations, and material storage.</p> <p>A database was developed in Microsoft Access to record the assets and operations performed at each facility to determine the potential for stormwater pollution. Each facility across New York State was mapped in GIS to show the location of each of these facilities and their proximity to waterbodies, TMDLs, and 303(d) impaired waters.</p> <p>An information packet will be provided to the Division Environmental Specialists showing the location of Thruway facilities and their proximity to waterbodies, TMDLs, and 303(d) impaired waters.</p>	<p>Completed in Year 3.</p> <p>Completed in Year 5.</p> <p>Scheduled for 2008</p>

<p>The NYSTA has been reviewing and updating their MDs and guidance documents to ensure they meet the permit requirements. Concurrent with this review, guidance documents from the NYSDEC, EPA, New York State Department of Transportation (NYSDOT), and other highway departments were evaluated for BMPs and SOPs that could be adopted by the NYSTA, to meet the permit requirements and to support their efforts to be environmental stewards.</p>	<p>Completed Year 5</p>
<p><b>Permit Reference IV.C.6.a:</b> Include a municipal pollution prevention training component for staff (where all staff are trained).</p> <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>	<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>Created good housekeeping pollution prevention posters for NYSTA employees.</p> <p>Updated good housekeeping pollution prevention poster and posted it on the intranet for maintenance employees.</p> <p>Extensive training has been performed across the State for all NYSTA employees that are involved with the design, construction and maintenance of NYSTA facilities. As it relates to Good Housekeeping, the program summarized the requirements of the new GP-02-02, identified pollutants of concern for typical NYSTA operations, and discussed the design of stormwater management practices to reduce pollutants and peak runoff.</p> <p>Created a new poster addressing proper operation and maintenance of oil water separators.</p> <p>Created a new poster for good cleaning practices at NYSTA service area restaurants.</p> <p>Training and materials will be provided to NYSTA employees at annual program meetings.</p> <p>All storm drains were stenciled at Service Areas and Maintenance Facilities.</p>	<p>Completed Year 3</p> <p>Completed Year 5</p> <p>Completed Year 1.</p> <p>Completed and distributed in Year 5.</p> <p>Completed and distributed in Year 5.</p> <p>On-going</p> <p>Completed Year 5</p>

<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)
During Year 3, ranking criteria were developed to prioritize the NYSTA facilities based on their potential to pollute stormwater. Based on the findings of the site visits completed in Year 1 and the results from the facility prioritization forms completed by the NYSTA Environmental Specialists during Year 2, the facilities were ranked based on their potential to pollute stormwater runoff.	Completed in Year 5.
Stormdrain stenciling at all service areas and NYSTA maintenance facilities.	Completed in Year 5.
<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> N/A	

**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><b>DO NOT ENTER INFORMATION IN THIS CELL</b></p>
<p>The NYSTA policy and procedures are presented through MDs and job activity descriptions. These MDs and job activities have been in review and are currently being updated to address the requirements of the General Permit. The final revisions are scheduled for completion during Year 5. In addition, operations and maintenance guidance documents are being developed as necessary for permanent stormwater control measures. This guidance is scheduled for completion during Year 5.</p> <p>Maintenance Directives</p> <ul style="list-style-type: none"> <li>○ Illicit Discharge Identification and Reporting Requirements<sup>(1)</sup></li> <li>○ Maintenance of Oil Water Separators at Maintenance Facilities<sup>(1)</sup></li> <li>○ Deicer and Salt Storage</li> <li>○ Universal Waste Management</li> <li>○ Hazardous Waste Management</li> <li>○ Care and Cleaning of Authority Maintenance Vehicles and Motorized Equipment <sup>(1)</sup></li> </ul> <p>Job Descriptions</p> <ul style="list-style-type: none"> <li>○ Maintenance of Drainage System Maintenance</li> <li>○ Cleaning Toll Lanes<sup>(1)</sup></li> <li>○ Grass Mowing</li> <li>○ Landscape Maintenance</li> <li>○ Bridge Cleaning<sup>(1)</sup></li> </ul>	<p>Updates completed in Year 5. Ongoing Task.</p>

<ul style="list-style-type: none"> <li>○ Spot and Zone Painting of Steel Bridges<sup>(1)</sup></li> </ul> <p>The NYSTA also updated some guidance documents targeting specific operations. Some of these guidance documents include:</p> <ul style="list-style-type: none"> <li>○ Right of Way Management Manual with Highway Mowing Guidelines</li> <li>○ Winter Maintenance Manual</li> </ul> <p>In addition, the NYSTA follows guidance documents and specifications of the New York State Department of Transportation. Some of the specific stormwater guidance documents include:</p> <ul style="list-style-type: none"> <li>○ Design Requirements and Guidance for State Pollutant Discharge Elimination System (SPDES) General Permit GP-02-01</li> <li>○ Engineering Bulletin (EB) EB 04-023 that provides inspection procedures for implementing the general permit (GP-02-01) on construction projects.</li> <li>○ Engineering Instruction (EI) EI 05-00, Design Requirements and Guidance, New York State Department of Environmental Conservation SPDES Permit for Stormwater Discharges from Construction Activity Permit No. 02-01</li> </ul> <p>Note: <sup>(1)</sup> - Final document complete – scheduled for final release in March 2008</p>	<p>Scheduled for 2008</p>
<ul style="list-style-type: none"> <li>● <i>Briefly describe or reference any existing best management practices</i></li> <li>● <i>Briefly describe or reference any planned best management practices</i></li> </ul>	<p><b>DO NOT ENTER INFORMATION IN THIS CELL</b></p>
<p>The best management practices are presented to staff as an MD or job activity as summarized above.</p>	
<ul style="list-style-type: none"> <li>● <i>Identify and describe the equipment and staff that are in place</i></li> </ul>	<p><b>DO NOT ENTER INFORMATION IN THIS CELL</b></p>
<p>NYSTA environmental staff provides guidance on environmental regulations and creates environmental policy. The Division Environmental Specialists are responsible for providing environmental support to the personnel at the facilities within their Divisions.</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
<p>The NYSTA Environmental Specialist from each Division performs a State Environmental Audit on an annual basis to evaluate the NYSTA facilities, activities, and projects for environmental compliance. Items or actions found not to be in compliance are corrected. Many of the items of concern evaluated in the State Agency Environmental Audit are also related to the SWMP.</p> <p>Facilities are routinely maintained. Any major modifications are handled through the capital program and/or maintenance staff.</p>	<p>Audit performed annually, routinely maintained.</p> <p>Ongoing Task.</p>
<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)



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

N/A Summary of public comments received on the annual report at the public presentation (**Required**)

N/A Intended response to comments on the annual report (**Required**)

Results of information collected and analyzed, including monitoring data; evaluation of assessment (modeling) of pollutant discharges, including modeling results and pollutant transport trends.

Other \_\_\_\_\_

**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><b>Permit Reference IV.C.3.c:</b> 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: <u>January 2008</u> ___ Not yet completed  Plan to complete for reporting in year: ___4; ___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>___ Interconnection agreements  <u>✗</u> Maintenance directives / BMPS  ___ Access Permits  ___ Tenant Leases</p>	<p>___ Consultant Agreements  ___ Construction/Bid Documents  ___ Other _____  _____</p>
<p>3) Indicate which of these control mechanisms contain specific language prohibiting illicit discharges:</p>	<p>___ Interconnection agreements  <u>✗</u> Maintenance directives / BMPS  ___ Access Permits  ___ Tenant Leases</p>	<p>___ Consultant Agreements  ___ Construction/Bid Documents  ___ Other _____  _____</p>
<p>4) Explain how the MS4 intends to prohibit illicit discharges if:</p> <ul style="list-style-type: none"> <li>• none of the mechanisms in number 2 contain language prohibiting illicit discharges; or</li> <li>• the MS4 intends to add language to prohibit illicit discharges in other control mechanisms.</li> </ul>	<p>Explanation:  Illicit Discharges that could occur as a result of Maintenance and Operation Activities – Illicit discharges are prohibited through maintenance directives. In addition, the NYSTA Division Environmental Specialists oversee the Thruway operations and often visit and evaluate NYSTA operations for environmental compliance. They perform a State Environmental Audit on an annual basis to evaluate the NYSTA facilities, activities, and projects for environmental compliance. Items or actions found not to be in compliance are corrected. Many of the items evaluated in the State Agency Environmental Audit also pertain to the SWMP.</p> <p>Illicit Discharges through improper plumbing -  The NYSTA is a non-traditional MS4 that either performs their own construction activities; or reviews and approves drawings and specifications for new construction and then oversees the construction. Any new pipe connections would be overseen by the NYSTA or their agents.</p>	
<p>5) Explain how the MS4 (intends to) enforce against illicit dischargers within their jurisdiction?</p>	<p>Explanation:  The NYSTA corrects any illicit discharges at their own facilities. The NYSTA developed an Illicit Discharge maintenance directive to provide guidance on the identification and avoidance of illicit discharges and on who to notify if one is suspected.</p> <p>If the illicit discharge occurs at a NYSTA facility follow-up actions are handled through NYSTA program supervisors. For illicit discharges off the NYSTA right-of-way, NYSTA notifies the appropriate agency.</p>	

**ADDENDUM 2. Minimum Control Measure 4 & 5. Construction Site & Post-Construction Stormwater Runoff Control Local Law**

<p><b>Permit Reference IV.C.4.b.i, 5.a.i:</b> 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: ___January 2008___ ___Not yet completed Plan to complete for reporting in year: ___4; ___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>___ Access Permits ___ Tenant Leases <u>_X_</u> Requests for Proposals (RFPs) <u>_X_</u> Scope of Services</p>	<p><u>_X_</u> Consultant Agreements <u>_X_</u> Construction / Bid Documents <u>_X_</u> Other Policies / Procedures ___ Maintenance Directive and Job Activities</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><b>Control Mechanism</b></p>	<p><b>Erosion, Sedimentation and Stormwater Management Requirements</b></p>
<p>RFPs, Scope of Services, Consultant Agreements, Construction/Bid Documents</p>	<p><i>Require all projects to have SWPPPs, as in GP-02-01</i></p>
<p>RFPs, Scope of Services, Consultant Agreements, Construction/Bid Documents</p>	<p><i>Require all 16 components of a basic SWPPP (erosion and sediment control)</i></p>
<p>RFPs, Scope of Services, Consultant Agreements, Construction/Bid Documents</p>	<p><i>Require all additional 7 components for a full SWPPP when post-construction control is required</i></p>
<p>Consultant Agreements, Construction/Bid Documents</p>	<p><i>Meet the standards in the Erosion and Sediment Control and Stormwater Management Design Manuals (or otherwise meet the requirements of GP-02-01)</i></p>
<p>Construction/Bid Documents</p>	<p><i>Require contractor certification statements stating that the contractor will agree to comply with the terms and conditions of the SWPPP</i></p>
<p>Construction/Bid Documents, MDs</p>	<p><i>Require proper operation and maintenance of stormwater facilities during construction</i></p>
<p>Consultant Agreements, Construction/Bid Documents, MDs</p>	<p><i>Require proper operation and maintenance of stormwater facilities after construction</i></p>
<p>Consultant Agreements, Construction/Bid Documents</p>	<p><i>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</i></p>
<p>SWPPPs for construction projects are reviewed by NYSTA project managers and environmental staff.</p>	<p><i>Have a process for review of SWPPPs</i></p>

<p>Consultant Agreements, Construction/Bid Documents</p>	<p><i>Require site self inspections as in GP-02-01</i></p>
<p>Consultant Agreements, Construction/Bid Documents</p>	<p><i>Have enforcement procedures during and after construction</i></p>
<p>Consultant Agreements, Construction/Bid Documents</p>	<p><i>Require construction site operators to control waste</i></p>
<p>Descriptions of major construction work are available on the NYSTA website, and plans are available in hardcopy format through appropriate procedures. Large capital projects often have public open houses and/or public hearings that allow the public the opportunity to provide input on the project.</p>	<p><i>Procedures for receipt and consideration of information submitted by the public</i></p>
<p><b>4)</b> If any of the requirements in number 3 are not addressed, explain how the MS4 intends to incorporate them into the control mechanisms?</p>	<p>Explanation:</p>
<p><b>5)</b> Explain how the MS4 intends to enforce the requirements within their jurisdiction?</p>	<p>Explanation: Through routine inspections of construction sites by NYSTA staff and NYSTA consultant staff. When an inspection identifies a stormwater issue, it is referred to the respective Division Environmental Specialist and program supervisor for appropriate follow up action.</p>