



**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: TOWN OF RAMAPO SPDES Permit Number: NYR20A 202**

See information packet for information to help complete this form.

MCC Form for year ending: March 9, ____ 2006 (Year 3) <input checked="" type="checkbox"/> 2007 (Year 4) ____ 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? ____ Yes <input checked="" type="checkbox"/> No			
Name: <b>Christopher P. St. Lawrence</b>		Title: <b>Town Supervisor</b>	Department: <b>Supervisor</b>
Mailing Address:	Street or P.O. Box: <b>237 Route 59</b>		City: <b>Suffern</b>
	County: <b>Rockland</b>	State: <b>New York</b>	Zip Code: <b>10901</b>
Phone: <b>( 845 ) 357-5100</b>		E-mail Address: <b>StLawrenceC@ramapo-ny.gov</b>	
<b>Local Stormwater Public Contact</b> (Required by Minimum Measure 2)			
Is information below: 1) new or changed? ____ Yes <input checked="" type="checkbox"/> No			
2) same as: ____ Owner/Operator			
Name: <b>Michael J. Sadowski</b>		Title: <b>Deputy Director</b>	Department: <b>Public Works</b>
Mailing Address:	Street or P.O. Box: <b>18 Pioneer Avenue</b>		City: <b>Tallman</b>
	County: <b>Rockland</b>	State: <b>New York</b>	Zip Code: <b>10982</b>
Phone: <b>( 845 ) 357-0591</b>		E-mail Address: <b>Sadowskim@ramapo-ny.gov</b>	
<b>Stormwater Management Program (SWMP) Coordinator</b> (Responsible for implementation/coordination of SWMP)			
Is information below: 1) new or changed? <input checked="" type="checkbox"/> Yes ____ No			
2) same as: ____ Owner/Operator ____ Local Stormwater Public Contact			
Name: <b>Anthony Sharan</b>		Title: <b>Superintendent of Highways</b>	Department: <b>Highway</b>
Mailing Address:	Street or P.O. Box: <b>26 Pioneer Avenue</b>		City: <b>Tallman</b>
	County: <b>Rockland</b>	State: <b>New York</b>	Zip Code: <b>10982</b>
Phone: <b>( 845 ) 357-0903</b>		E-mail Address: <b>SharanT@ramapo-ny.gov</b>	
<b>Annual Report Preparer</b>			
Is information below: 1) new or changed? ____ Yes <input checked="" type="checkbox"/> No			
2) same as: ____ Owner/Operator <input checked="" type="checkbox"/> Local Stormwater Public Contact ____ SWMP Coordinator			
Name:		Title:	Department:
Mailing Address:	Street or P.O. Box:		City:
	County:	State:	Zip Code:
Phone: ( )		E-mail Address:	

**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)    **X** 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

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

\_\_\_ Yes  
**X** No

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

\_\_\_ Yes  
\_\_\_ No (explain below)

Explanation:

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<b>Section C. Partnership Information</b>
Information to help complete this section can be found in the instructions.
1. Does your MS4 work with partners? <input checked="" type="checkbox"/> Yes (complete table below) <input type="checkbox"/> No (Proceed to Section D)
<b>List MS4 Partners with Legally Binding Agreements or Contracts in Place</b>
Villages of Airmont, Chestnut Ridge, Kaser, Montebello, New Hempstead, New Square, Pomona and Wesley Hills Cornell Cooperative Extension of Rockland
<b>List MS4 Partners with Planned Legally Binding Agreements or Contracts</b>
<b>List MS4 Partners with Other Agreements in Place</b>
Stormwater Consortium of Rockland County

<b>Section D. Geographic Areas Addressed by Stormwater Management Program (SWMP)</b>
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)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain below)
Explain:

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**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 Town has a budget line item in the Public Works Department Operating Budget. Because it is an annual budget, money is appropriated once a year. In addition, the Town is a member of the Rockland County Stormwater Consortium. NYSDEC awarded Round 8 and Round 9 Water Quality Improvement Projects (WQIP) grants to the Rockland County Soil and Water Conservation District that will help reduce polluted runoff, improve water quality, and restore habitat in Rockland County. The participating Consortium municipalities will use the funds to implement elements of their Phase II Stormwater Management Program, including detection and elimination of illicit discharges, construction and post construction site reviews and management activities and training and outreach to municipal staff and others. The Consortium and the Soil and Water Conservation District are in the process of finalizing the project work plan for both grants.

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: <b>We continued to apply the "No Dumping" decals with student interns as opposed to volunteers that we could not find. We marked many more than the 50 originally indicated. Note that we did partner with senior citizen volunteers who went door to door explaining what the interns were doing and why. The general stream clean up day was coordinated by Keep Rockland Beautiful Inc. however it was publicized on the Town's website and on the Town Supervisors local television show.</b>	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	___ Yes <input checked="" type="checkbox"/> 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: <b>Ramapo's regulatory mechanism for this has not yet been adopted by the Town Board.</b>	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	___ Yes <input checked="" type="checkbox"/> No ___ N/A
IV.C.5.	Post-Construction Stormwater Management Explain 'no' / 'N/A' answer: <b>Ramapo's regulatory mechanism has not been updated nor has the Gap Analysis been performed. We planted seventy-one (71) trees this year but didn't reach our goal of seventy-five (75). There is simply not enough new property being developed in order to maintain the 75 shade tree goal under the program.</b>	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	___ Yes <input checked="" type="checkbox"/> No ___ N/A
IV.C.6.	Pollution Prevention / Good Housekeeping for Municipal Operations Explain 'no' / 'N/A' answer: <b>The vehicle wash off area at the golf course maintenance yard has not been completed.</b>	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	___ Yes <input checked="" type="checkbox"/> No ___ N/A

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**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: Christopher P. St. Lawrence Title: Town Supervisor

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: Town of Ramapo SPDES Permit Number: NYR20A202**

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

Information about how to complete the follow tables is in the instruction section. Please complete the tables electronically, if possible. Send two completed **hard copies** (an original and a photocopy) of this Annual Report Table, the MCC form and any attachments to the DEC Central Office (MS4 Permit Coordinator, 625 Broadway, Division of Water - 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>As indicated in the Town’s NOI, Ramapo intended to reach out to a targeted industry in each year of our program by mailing them printed materials related to a particular contaminant of concern. In Year 3, the Town mailed out over one hundred and ninety (190) brochures informing commercial businesses classified as either Dining Establishments, Motor Vehicle Services, Storage Warehouse and Distribution Facilities, Retail Services, Office Buildings or Multiple Use Commercial, about the hazards of litter in the environment. This past year, <b>Year 4</b>, we again sent out this brochure and cover letter dated January 16, 2007 to properties classified as Outdoor Sports Facilities, Community Services (Schools), Community Services (Religious Institutions), Community Services (Health) and Manufacturing and Processing Facilities. Approximately ninety (90) properties were sent this mailing. This brochure was produced by Cornell Cooperative Extension of Rockland County for Ramapo as well as other MS4s under contract with them to provide services under the Storm Water Management Program. The brochure is still posted on the Town’s website along with the Public Service Announcements (PSAs) from prior years’ efforts.</p> <p>Note that this year through our partnership with Cornell Cooperative Extension (CCE) the Town posted two additional PSA’s on the topics of Winter Salt</p>	<p>Our measurable goal in this category was whether or not we succeeded in our endeavor. Our mailing again went out on time in January 2007 and a copy of the brochure is on the Town’s website.</p> <p>Additional Public Service Announcements (PSAs) were completed and released to local media outlets including newspapers (The Journal News), local radio stations (ie. WHUD [100.7 FM], WRCR [1300 AM], WFAS [103.9 FM] and community calendars during February/ March 2007. They were first posted on the Town’s website in the DPW Section in February 2007.</p>

<p>Usage and Household Chemicals and Waste.</p> <p>Next year, Ramapo will assist Keep Rockland Beautiful Inc. in advertising for individuals and groups to participate in the annual Great American Cleanup Event. We intend to add to our growing list of Public Service Announcements hosted on our website as applicable information becomes available. If the volunteers from RSVP are still available and interested we will continue to work with them on educating the general public regarding the storm drain decals and their purpose.</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>Under Ramapo’s contract with Cornell Cooperative Extension of Rockland, CCE also presented classes on Stormwater and Wet Basements in Ramapo on a couple of occasions in April and May of 2007.</p> <p>In addition, more than 1,200 fact sheets, booklets and other written educational materials were distributed at presentations, to class participants, at community events (eg. fairs, farmers markets, garden clinics, Home &amp; Garden Show, etc.), and to more than 600 callers/visitors to the Horticulture Diagnostic Lab at CCE of Rockland. These included <i>After the Storm: A Citizen’s Guide to Understanding Stormwater (EPA)</i>, <i>Keep Your Business Property Clean &amp; Safe: It’s the Law (CCE, KRB)</i>, <i>An Introduction to Rain Gardens(CCE,SWCD)</i>, <i>Landscape Plants for Wet Areas, and Xeriscape Landscaping (CCE)</i>; <i>Save Every Drop: A Users Guide to Water Conservation, and Una Breve Guia para el Moho, La Humedad y Su Hogar (EPA)</i>; <i>A Guide to Creating Vernal Ponds (T. Biebighauser)</i>; <i>Groundwater and the Rural Homeowner (USGS)</i>; <i>Streamside Stewardship Guide (NYS Sea Grant)</i>; <i>Routine Stream Maintenance (NYSDEC)</i>; <i>Home-A-Syst; Streamside and Shoreline Protections: Erosion Control in Riparian Areas (CCE)</i>.</p>	<p>No measurable goals were established for these tasks because they are “additional”. Hopefully as more members of the general public become aware of these programs, attendance at future classes will increase.</p>

One of our additional activities this year was a result of a “failed” task under MCM #2 from last year. We have not been able to find an organization or individual(s) interested in applying storm drain decals to catch basins in any sizeable quantities. This year though we were able to find people under the Retired and Senior Volunteer Program (RSVP) to become involved in our operation. In lieu of actually applying the decals themselves, they proposed and ended up working in conjunction with our student interns by informing people in the neighborhoods that the decals were being applied, of the purpose of the program. This door to door service was invaluable in educating the homeowners about stormwater pollution.

While no measureable goal was established, RSVP claims of having visited 243 homes in which they left a brochure. They estimated that they spoke to residents at 70% of the homes.

**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:**

Some of our Public Service Announcements (PSAs) are specific and revolve around a particular contaminant of concern as was indicated in the Notice of Intent. Others however are more general in nature and therefore should reach more people.

**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>• <i>Describe activities that the MS4 has/will undertake to provide program access to interested individuals and to gather needed input.</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>For the past three years Ramapo’s public presentation has been made at a Town Board Meeting that contains a public comment period. At the conclusion of each presentation, an additional opportunity was given for the public to ask questions about the program. The presentation is shown on a local cable television channel for all to see if they cannot attend the advertised Town Board Meeting.</p> <p>Once again this year Ramapo had student interns apply “No Dumping” decals to many catch basins in Unincorporated Ramapo in addition to their duties under MCM #3. We also had two individuals associated with the Retired and Senior Volunteer Program (RSVP) travel to these same areas and knock on homeowners doors to educate them about the importance of clean stormwater.</p> <p>Ramapo assisted Keep Rockland Beautiful Inc. in advertising for their annual Great American Cleanup held in the Spring of 2006.</p> <p>In this upcoming year, it is again my hope that the interest in scouting groups and/ or community groups applying the storm drain markers increases thus eliminating the need for out student interns to do it. This request was made at Ramapo’s Year 3 public presentation.</p>	<p>These are ongoing tasks. Thus far we have had only one individual request and receive a copy of the Year 2 Annual Report outside of the public comment period. Another had requested and received a copy of the Year 1 Report and Notice of Intent. At our Year 3 presentation, a single member of the audience made a couple of comments with regard to its contents. Other people have at various times asked general questions about stormwater. As overall interest increases and our efforts become more publicized we anticipate more requests for information and more people willing to assist. Our interns that we use to collect information on our storm drain collection system are always being asked what they are doing and why.</p> <p>Approximately two hundred and ninety-one (291) storm drain markers were applied by our student interns during the summer of 2006 in the Monsey section of the Town of Ramapo. This again far exceeded the measurable goal of fifty (50). The two RSVP gentlemen visited approximately two hundred and forty-three (243) homes and dropped off literature. They estimate that they spoke to individuals at 70% of these homes regarding the importance of clean stormwater. The general public’s application of these decals has historically not been tracked in the past so it is difficult to obtain an accurate count of how many were done in Unincorporated Ramapo apart from our program if any.</p> <p>Supervisor St. Lawrence has supported local cleanup efforts organized by Keep Rockland Beautiful. The Great American Cleanup had approximately five (5) groups consisting of about fifty (50) people total participating in the 2006 event.</p>

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<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 Year <b>3</b> Public Presentation was made at a regular Town Board Meeting on <b>May 10, 2006</b>. This presentation was advertised in the Rockland County Times on May 4, 2006. May 22, 2006 was established as the cut off date to receive public comments on the Draft Plan.</p> <p>The Year <b>4</b> Public Presentation was made at a regular Town Board Meeting on _____ 2007. This presentation was advertised in the Rockland County Times on _____, 2007. _____ 2007 was established as the cutoff date to receive public comments on the Draft Plan.</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></p> <p>Since the Year 3 presentation was made as part of a Town Board Meeting it can not be determined whether or not the public attended as a result of this meeting or to be present while other Town Board business was being conducted. There were approximately twenty (20) people in attendance and one comment was made. The same can be said of our Year 4 presentation with respect to why the public attended.</p>		
<p><b>Comments on Annual Report Meeting</b>  _____ No public comments received on Annual Report.  <u>X</u> Comments received. <b>Attach summary of comments and intended responses.</b></p>	<p><b>Date of Annual Report Meeting:</b>   (Indicated Above)</p>	<p><b>Approximate Date of Meeting Next Year:</b>   (December 12, 2007)</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> <p>The reporting requirements for the Annual Presentation(s) are a bit confusing. The examples provided for this new reporting format seem to indicate that the DEC is looking for the comments on the Year 4 Report. If I report on Year 4 now however, I will not have reported on our Year 3 efforts in this regard which actually occur in the Year 4 time period. I have therefore included both. Please clarify/ confirm if it is the past or current year you are requesting additional information on.</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>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>In Years 2 &amp; 3, we inspected each of the outfall structures that Unincorporated Ramapo is responsible for. This past year we inspected each of our known outfalls a third time and on some occasions a fourth time to look for objectionable materials. A student intern or Town Engineer photographed each outfall a third time. We will continue to have the outfalls inspected and photographed in subsequent years.</p> <p>The Town Highway Department installed “No Dumping” signs in areas that have been historically used as dumping grounds.</p> <p>The Town of Ramapo flushed more than our stated goal of 5 miles of sanitary sewers as a preventative maintenance procedure. Eliminating potential sewer blockages and subsequent spills protects the environment.</p>	<p>The inspections are on going.</p> <p>Ramapo’s measurable goal of installing five (5) “No Dumping” signs was met. Three (3) replacement signs and three (3) new signs were installed in very early March 2006.</p> <p>We once again exceeded our measurable goal of flushing five (5) miles of sanitary sewer in unincorporated Ramapo by flushing a little over six (6) miles throughout the year. Once we addressed our historic trouble areas we continued to flush other areas that contained older sewers that hadn’t had preventative maintenance work in many years.</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 <u>and planned for next year, including work on the following IDDE guidance prerequisites:</u></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>

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<p>The Town of Ramapo continued to work on our outfall map as we have now for many years. The map containing both structures, including outfalls and storm sewer conduits, is being developed as GIS layers. Intermunicipal subsurface conveyances will have to be investigated in subsequent years due to the fact it is not our primary focus and we have many other MS4's contained within and abutting our MS4. Once the NYSDOT, the NYS Thruway Authority and the local School Districts for example, map their conveyances, we would be happy to meet with them and incorporate their findings. The Rockland County Health Department has produced a GIS layer for storm sewer sheds that we can use in conjunction with our information.</p> <p>Since the information in which an accurate map is based on changes each and every day, Ramapo will continue to update our information as necessary. We have also contacted neighboring Towns that share storm sewer sheds with Ramapo about our structure numbering system in the hopes that our systems can become compatible.</p>	<p>The Town's Year 3 measurable goal of having 95% of our outfalls mapped has been met. As indicated, updating this map in Years 4 &amp; 5 however is a continuous process. I anticipate this summer for example to map the new structures installed under a NYSDOT project that was concluded recently on Route 59 as well as other smaller project done by the Ramapo Highway Department.</p>

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

<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>	
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)
<b>Assessment of Regulatory Mechanism (Local Code)</b>	
1) When was this assessment completed or planned to be completed?	Date completed: <u>June 14, 2005</u> <input type="checkbox"/> Not yet completed (proceed to next table) Plan to complete for reporting in year: ___4; ___5.
2) Is there an existing ordinance, local law or other regulatory mechanism?	<input type="checkbox"/> No (go to question 5) <input checked="" type="checkbox"/> Yes
3) Does the existing regulatory mechanism prohibit illicit discharges as required by the MS4 Permit?	<input type="checkbox"/> No (amendments needed) <input checked="" type="checkbox"/> Yes
4) Does the existing regulatory mechanism include enforcement authorities and procedures as required by the MS4 Permit?	<input type="checkbox"/> No (amendments needed) <input checked="" type="checkbox"/> Yes
<b>Development of Regulatory Mechanism (Local Codes)</b>	
5) When was this work completed or planned to be completed?	Date completed: <u>February 22, 2006</u> <input type="checkbox"/> Not yet completed (proceed to next table) Plan to complete work below for reporting in year: ___4; ___5.
6) If you answered 'No' to question 1, 2 or 3, what regulatory mechanism or amendments will be adopted to meet the MS4 permit requirements?	<input type="checkbox"/> NYS IDDE Model Law in its entirety <input type="checkbox"/> Selected NYS IDDE Model Law articles adopted as amendments to existing code(s) that are equivalent to the NYS IDDE Model Law <input type="checkbox"/> MS4 will write language equivalent to NYS IDDE Model Law
7) If you answered 'No' to question 1, 2 or 3, has a list of needed changes to local codes been developed for adoption of the regulatory mechanism?	<input type="checkbox"/> No <input type="checkbox"/> Yes, list the <b>local code(s)</b> that will be changed:
8) If the existing regulatory mechanism does not require amendments, what language is in the mechanism?	<input type="checkbox"/> NYS IDDE Model Law in its entirety <input type="checkbox"/> Selected NYS IDDE Model Law articles adopted as amendments to existing code(s) that are equivalent to the NYS IDDE Model Law <input checked="" type="checkbox"/> Language equivalent to NYS IDDE Model Law
9) What was the date or is the planned date of local law adoption?	Date: <b>March 8, 2006</b>
10) Provide a web address if adopted local law can be found on a web site.	Web Address: <a href="http://www.Ramapo.org">www.Ramapo.org</a>

**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>As indicated previously in MCM #1, a mailing created by Cornell Cooperative Extension in Rockland was sent out to commercial properties regarding the hazards of litter in the environment.</p> <p>In April of 2006, in conjunction with the annual Passover Cleanup, the Town distributed flyers to various schools, synagogues and shopping centers advising members of the Monsey community of what will be picked up and what is considered household hazardous waste that must be brought to the Rockland County Fire Training Center.</p> <p>Ramapo plans to continue distributing the Passover Cleanup brochures to the Monsey community annually.</p>	<p>As indicated in MCM #1, approximately ninety (90) businesses were sent the commercial litter mailing in mid-January 2007.</p> <p>Approximately 10,000 flyers were produced for distribution as part of our notification of the 2007 Passover Cleanup and how to dispose of hazardous wastes.</p> <p>Since it is anticipated the Spring General Cleanups will continue, so will the notifications.</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 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 checked="" type="checkbox"/> Not yet completed (proceed to next table) Plan to complete for reporting in year: ___4; <input checked="" type="checkbox"/> 5. <input checked="" 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 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 checked="" type="checkbox"/> Not yet completed (proceed to next table) Plan to complete work below for reporting in year: ___4; <input checked="" type="checkbox"/> 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. ___ 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			8
2			51
3, 4, 5			3
6			9
<b>TOTAL</b>			<b>71</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:

We plan to adopt the model ordinances in their entireties and rescind those sections of subdivision law and site plan development rules and regulations which may conflict with the model ordinances in Year 5.

**7.** What was the date or is planned date of local code adoption?

Date: July 2007

**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>Each proposed subdivision and site plan that is submitted to the Town is reviewed by one of the Town Engineers to ensure that proper erosion control practices and procedures are being shown where applicable. The Engineering Department continues to utilize the information contained within the New York State Stormwater Design Manual and the New York State Standards and Specifications for Erosion and Sediment Control as guidelines.</p>	<p>100% of all applicable plans that are forward to the Engineering Department are reviewed.</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>The Town continues to permit the Eleanor Burlingham Commission on Environmental Quality and Recycling as well as members of the general public to comment on various site plan and subdivision applications before the Planning Board</p>	<p>This is an ongoing task that is dependent on the number of submissions that are being made to the Planning Board.</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>The Town has instituted a Group Effort to insure that proper erosion control measures are being followed on its construction sites. The Town’s Site Development Engineer, Road Inspector, Drainage Foremen, Code Enforcement Officer and Deputy Director DPW all play roles in insuring that proper practices have been installed and are being maintained. The Road Inspector, Drainage Forman and Deputy Director DPW report their findings to the Town Site Development Engineer. After a warning by the Engineer, if the site is not cleaned up the Code Enforcement Officer issues a violation notice. If the violation notice is not corrected within thirty (30) days the matter goes before a Town judge.</p>	<p>Deputy Director DPW made three (3) site visits in May 2006, twenty (20) site visits in August 2006 and seven (7) site visits in December 2006. This program is on going. It is difficult to establish measurable goals since the totals will likely decrease as compliance increase. The Town’s Site Development Engineer estimates he made approximately four hundred visits to construction sites during Year 4 (Almost 2 per day) The Town’s Code Enforcement Officer issued six (6) violation notices in 2006 early 2007 based on complaints received from Town personnel. Each of the six (6) violations were corrected prior to going to Court. A minimum of twelve (12) site visits were therefore conducted by the Code Enforcement Officer. (A minimum of two per violation)</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>A class titled <u>Better Site Design: Integrating New Principles with Required Stormwater Management Practices</u> was held this past year in February. Barbara Kendall from the DEC was the keynote speaker. The class was held in order to educate developers, landscapers, and engineers to reduce impervious surfaces, protect existing natural areas and to better integrate stormwater treatment in providing a cost-effective product. The class was sponsored by Cornell</p>	<p>The aforementioned class was conducted on February 15, 2007. Approximately thirty (30 ) people attended.</p>

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<p>Cooperative Extension and the Stormwater Consortium of Rockland County both of which are tasked to provide this type of information under Ramapo's program as well as the Rockland County Builders &amp; Remodeler's Association and the Professional Landscape Association of Rockland County.</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 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>In the Fall of 2006, Ramapo replaced the polydak filters used in the Inceptors product referenced in last year’s report in catchbasins that surround the Highway/ DPW yard. The Kristar Flo Gard installed last year failed due to faulty welds and was taken out of service. The Town also installed twelve (12) catchbasin curb box covers manufactured by Environmental Retrofit Solutions as well as two others from another vendor on catchbasins that typically collect a lot of litter. These structural devices are intended to collect contaminants prior to it entering our storm drain system.</p> <p>Also in the Fall of 2006 the Town of Ramapo constructed the Hillcrest Beautification Project at the intersection of Route 45 and Eckerson Road. As part of the project the Town removed a section of impervious asphalt 110 feet long by 24 feet wide. In its place, the Town constructed a raised planter with trees, shrubs and flowers and surrounded that by grass. This beautification project now acts as a filter strip for sheet flow runoff from the adjoining parking lot at this intersection.</p>	<p>Ramapo maintained 4 of the 5 structural BMPs previously installed and installed fourteen (14) more devices exceeding the five (5) that we had previously committed to. It appears that the polydak filters should be changed twice a year.</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>The Town Engineer that reviews subdivisions and site plans for Ramapo insures that that the appropriate SWPPPs have been filled out by the applicant and sent to the DEC.</p> <p>Specifically, prior to the start of construction, Ramapo insures that the NOI has</p>	<p>Since the number of SWPPP plans that are reviewed are mainly impacted by the types of development being proposed on an annual basis and thus beyond our control, we will not establish a numerical goal. Ramapo can state that at least 99% of the SWPPP plans that are submitted will be reviewed by a Town Engineer.</p>

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<p>been submitted and approved. The SWPPP's are reviewed by the Engineering Department throughout the planning process to insure that they are in compliance with the New York State Stormwater Management Design Manual and the New York State Standards and Specifications for Erosion and Sediment Control. Copies of the reports are kept in the file for review by others.</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.

<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>Inspection and Maintenance procedures have been established for the devices that the Town has installed. Many of the devices that are proposed by private developers have not yet been installed or dedicated. Until the developer offers dedication of these devices to the Town they will not be maintained by Ramapo.</p>	<p>Development of maintenance activities is ongoing. We have established that the poly-dak filters around the Highway/DPW yard should be replaced twice a year. The curb guards should be inspected once a year after the winter. Maintenance schedules for the proposed devices and those under construction will have to be determined once they are completed and have been in service a year.</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>Procedures for the future enforcement and penalization of violators have not yet been developed. Currently, violations of Chapter 240 and Chapter 288 of the Ramapo Town Code on Litter and Property Maintenance respectively, may be used and/ or we can contact the Rockland County Health Department to determine if said issue is addressed under their Public Nuisance Law. Once the new law is passed by July 2007, new procedures will have to be developed.</p>	<p>Enforcement of the existing laws is ongoing and violators are prosecuted. One can not establish a figure for enforcement activities without knowing how many violations have or are going to occur.</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>Inspections are constantly being performed predominantly by employees of the Highway Department and to a lesser extent, engineers from the Dept. of Public Works based on complaints received from citizens or other Town employees. The student interns are also instructed to report defects encountered during performance of their duties. The Highway Department establishes their own maintenance program based in part on the severity of the defect and the hazard potential that exists to citizens and the environment.</p>	<p>Our ongoing inspection program will likely remain in its current form however the enforcement procedures will likely change once the Model Law is passed.</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>The Town has continued with its aggressive Open Space acquisition program over the past year. Multiple parcels have been purchased to protect them from future development and environmental issues this development presents. The best method to control potential contaminants from post construction operations is to have sufficient undeveloped land to filter out contaminants and recharge the aquifer.</p> <p>The Town also continued with its tree planting program.</p>	<p>Ramapo’s Open Space acquisition of the 18.5 acre Laico residential property on South Mountain Road, a 37 acre vacant parcel located between Route 17 and the NYS Thruway and the 261 acre High Mountain were completed between March 10, 2006 and March 9, 2007. All of these properties could have been subdivided and developed under existing zoning requirements.</p> <p>The Town planted seventy-one (71) trees to help in part stabilize property and combat erosion.</p>

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

In keeping with the comments made last year, I don't feel comfortable committing to a certain number of potentially expensive structural BMPs without an established track record. The Town has already demonstrated that we are willing to purchase items provided they actually do what the product advertisers say they will. I would respectfully request some leeway therefore in quantity of BMPs actually installed in subsequent years. Note that in this upcoming year we hope to install a rain garden at our new DPW Office Bldg despite the fact we are not disturbing an acre of land to develop the parcel.

**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>The pollutants that the Town of Ramapo is attempting to reduce from its municipal operations are sediment, litter, salt, heavy metals and hydrocarbons.</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>Road salt, heavy metals and hydrocarbons are priorities primarily around the Highway/ DPW garage facility. We are attempting to control sediment and litter however throughout Unincorporated Ramapo.</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>Under the Town’s Agreement with Cornell Cooperative Extension of Rockland, Cornell typically facilitates a class for our general workforce on one aspect of stormwater protection or another every year. As the issue of stormwater protection becomes more popular, various staff members make an effort to attend classes that apply to their function for Ramapo. The knowledge and literature they receive at these functions, remains as a source for future</p>	<p>On March 15, 2006 a Training Session was conducted on Roadway &amp; Roadside Maintenance at the Cornell Cooperative Extension. Twenty-nine (29) employees attended from the Ramapo Highway Department.</p> <p>Five (5) employees attended a Click, Listen &amp; Learn online</p>

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<p>activities.</p> <p>As members of the American Public Works Association (APWA), Ramapo will continue to use them as a source for training programs.</p>	<p>computer seminar sponsored by the American Public Works Association titled, Construction Site Runoff, A Proactive Approach to NPDES Compliance. This event was held July 20, 2006.</p> <p>One employee attended the Stormwater Training for Code Enforcement Officers/ Building Inspectors held on September 26, 2006 in Pomona, NY.</p> <p>Two employees attended the 6<sup>th</sup> Annual Southeast NY Stormwater Conference &amp; Trade Show held in Fishkill, NY on October 17, 2006.</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>	

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**Minimum Control Measure 6. Municipal Operations:** \_\_\_Street and Bridge Maintenance; \_\_\_Winter Road Maintenance;  
X Stormwater System Maintenance; \_\_\_Vehicle and Fleet Maintenance; \_\_\_Park and Open Space Maintenance; \_\_\_Municipal Building Maintenance;  
\_\_\_Solid Waste Management; \_\_\_Other: \_\_\_\_\_

<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>• <i>Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities.</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>Briefly describe or reference any existing policies and procedures</i></li> <li>• <i>Briefly describe or reference any policies and procedures being developed</i></li> </ul>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The Town of Ramapo Highway Department has for many years cleaned out catch basins with their Vac-All truck to prevent clogging of the storm drain system. Recently however, as part of our Stormwater Programs we have begun cleaning sediment out of many more catch basins in order to prevent the accumulated sediment from washing through the basins and into our local waterways. The six (6) person drainage crew also cleans out any basins that have to be rebuilt or repaired throughout the year.</p>	<p>The Highway Department greatly exceeded its measurable goal of cleaning out thirty (30) catch basins by cleaning out one hundred and two (102).</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>See above.</p>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<ul style="list-style-type: none"> <li>• <i>Identify and describe the equipment and staff that are in place</i></li> </ul> <p>See above.</p>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>

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**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>• <i>Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities.</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>Briefly describe or reference any existing policies and procedures</i></li> <li>• <i>Briefly describe or reference any policies and procedures being developed</i></li> </ul>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The Town of Ramapo has always operated street sweepers in Unincorporated Ramapo as well as other Villages in which a maintenance contract is in place. Records were sporadically kept and those that were kept were on paper. Due to the implementation of our Stormwater Program the records are now kept digitally and it is believed more lane miles are being cleaned. A new street sweeper was purchased within the past two years and pending labor availability an additional increase the number of lane miles being cleaned is anticipated.</p>	<p>The Town of Ramapo swept approximately one hundred and seventy-eight (182) miles of streets in Unincorporated Ramapo in Year 4. This more than doubled our goal of seventy-five (75) miles of roadway swept.</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>See above.</p>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<ul style="list-style-type: none"> <li>• <i>Identify and describe the equipment and staff that are in place</i></li> </ul> <p>The Town has three (3) street sweepers along with at least ten (10) employees that are trained in their operation.</p>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>

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

<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>• <i>Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities.</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>
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<p>The Town of Ramapo Highway Department has maintained a shed for salt storage for many years. Between 5 and 10 years ago, Ramapo built a new salt shed. Settlement around the north wall of the facility caused surface drainage to permeate through the wall, mix with and subsequently dissolve the salt into a solution which then entered the storm drain system. Two years ago, this was corrected by regarding the area. We will continue to look for additional settlement and re-grade the surrounding area again if necessary.</p>	<p>The measurable goal for this is simply whether it would be completed or not and it was.</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>Salt storage protection.</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>The Town of Ramapo Highway Department has thirty snow plow trucks in their fleet. Approximately twenty-seven snow plow drivers taken from Highway, Public Works and even the Building Department are mobilized during a snow event. The Town's covered salt shed can hold approximately two-thousand tons</p>	

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<p>of salt that is loaded onto the trucks by an operator in a front end loader. Salt is also loaded into Town trucks at a site operated by Rockland County Highway Department for plow runs that are close in proximity to their facility in order to improve response time. Ramapo's facility also contains two tanks that combine to store 6,800 gallons of Calcium Chloride as well as a dispensing system to aid in snow fighting operations.</p>	

**Minimum Control Measure 6. Municipal Operations:** \_\_\_Street and Bridge Maintenance; \_\_\_Winter Road Maintenance;  
\_\_\_Stormwater System Maintenance; **X** Vehicle and Fleet Maintenance; **X** Park and Open Space Maintenance; **X** 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>Prior to this past year, the Town of Ramapo had no written policy among its Departments on how to address a variety of spills that could occur during the normal course of operations. The Town therefore contracted with Miller Environmental Group Inc. to develop a Spill Response Plan. Plans for the Central Garage, Highway Dept., Parks Maintenance Bldg, Golf Course, Town Hall, Sewer Dept and various pools were completed and distributed early in Year 4.</p>	<p>We had originally hoped to have the Spill Response Plans completed by the Year 3 reporting deadline but they were not. They were completed in June 2006 and have been distributed to the various departments.</p>
<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>See above.</p>	<p><b>DO NOT ENTER INFORMATION IN THIS CELL</b></p>
<ul style="list-style-type: none"> <li>• Identify and describe the equipment and staff that are in place</li> </ul> <p>Necessary staff at each of the sites are in place.</p>	<p><b>DO NOT ENTER INFORMATION IN THIS CELL</b></p>

**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**)
- 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 \_\_\_\_\_

## **Stormwater Management Program Annual Report for Year 3 – Appendix 1**

### Summary of Public Comments:

At the Annual Stormwater Presentation held on May 10, 2006, Mr. Robert Romanowski of 177 Maple Avenue in Monsey commented on the large quantities of garbage in the water at Lake Suzanne that he thought was coming from the storm drains. He indicated the eastern shore was particularly bad and wanted to know if we had plans to control this.

Mr. Romanowski also reported that the construction site located at the corner of Maple Avenue and Monsey Boulevard had a problem with cars parking in the lawn area and mud being tracked out onto Maple Avenue. He showed photographs of this site.

### Responses to Public Comments:

While some of the litter in Lake Suzanne may come from the storm sewers the majority of it comes from wind blown litter. Any floatables that enter the lake congregate on the side of the embankment the wind is blowing toward. The Town has numerous garbage cans placed along the lake so anyone visiting it can dispose of their garbage properly. Our litter patrol has in the past picked up litter and does empty the garbage cans periodically. We are currently trying to organize a large cleanup of this area through Keep Rockland Beautiful.

The photographs Mr. Romanowski submitted were shown to the Town's site development Engineer. The property is currently in violation

## **Stormwater Management Program Annual Report for Year 4 – Appendix 2**

### **Summary of Public Comments:**

At the Annual Stormwater Presentation held on May 9, 2006, Mr. Robert Romanowski of 177 Maple Avenue in Monsey commented that he appreciated our efforts in attempting to stop debris from entering into Lake Suzanne. He commented that drywells for gutters work well on paper but that once installed they need to be maintained by the property owner. He suggested that the Town find a product that would work to keep debris out of the gutters and require it on new construction projects in Monsey.

### **Responses to Public Comments:**

DPW Director Ted Dzurinko responded that he agreed that keeping organic materials out of drywells is essential and that we will contact Cornell Cooperative Extension about conducting a Public Information Session on this topic.