



**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, <input checked="" type="checkbox"/> 2006 (Year 3) <input type="checkbox"/> 2007 (Year 4) <input type="checkbox"/> 2008 (Year 5)			
Section A. MS4 Owner/Operator and Contact Person Information (contact persons explained in instructions)			
Owner/Operator Is information below new or changed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Name: Christopher P. St. Lawrence		Title: Town Supervisor	Department: Supervisor
Mailing Address:	Street or P.O. Box: 237 Route 59		City: Suffern
	County: Rockland	State: New York	Zip Code: 10901
Phone: (845) 357-5100		E-mail Address: StLawrenceC@ramapo-ny.gov	
Local Stormwater Public Contact (Required by Minimum Measure 2) Is information below: 1) new or changed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 2) same as: <input type="checkbox"/> Owner/Operator			
Name: Michael J. Sadowski		Title: Deputy Director	Department: Public Works
Mailing Address:	Street or P.O. Box: 18 Pioneer Avenue		City: Tallman
	County: Rockland	State: New York	Zip Code: 10982
Phone: (845) 357-0591		E-mail Address: Sadowskim@ramapo-ny.gov	
Stormwater Management Program (SWMP) Coordinator (Responsible for implementation/coordination of SWMP) Is information below: 1) new or changed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 2) same as: <input type="checkbox"/> Owner/Operator <input type="checkbox"/> Local Stormwater Public Contact			
Name: Thomas J. Howard		Title: Superintendent of Highways	Department: Highway
Mailing Address:	Street or P.O. Box: 26 Pioneer Avenue		City: Tallman
	County: Rockland	State: New York	Zip Code: 10982
Phone: (845) 357-0903		E-mail Address: HowardT@ramapo-ny.gov	
Annual Report Preparer Is information below: 1) new or changed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 2) same as: <input type="checkbox"/> Owner/Operator <input checked="" type="checkbox"/> Local Stormwater Public Contact <input type="checkbox"/> 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:

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

Villages of Airmont, Chestnut Ridge, Kaser, Montebello, New Hempstead, New Square, Pomona and Wesley Hills
Cornell Cooperative Extension of Rockland

List MS4 Partners with Planned Legally Binding Agreements or Contracts

Rockland County Soil and Water Conservation District

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 Town does have a budget line item in it's Public Works Department Operating Budget. Because it is an annual budget, money is inserted once a year.

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: While we had many more catch basins marked with "No Dumping" decals then was indicated in the measureable goal, they were done by student interns. Any undocumented public application was not coordinated by Ramapo.	<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: Ramapo's regulatory mechanism has not been updated nor has the Gap Analysis been performed. Our program to educate construction site operators is also behind schedule.	<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: Ramapo's regulatory mechanism has not been updated nor has the Gap Analysis been performed. We planted sixty (60) trees this year but didn't reach our goal of seventy-five (75).	<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: Although we have a rough draft for our Spill Response Program, it was not completed by March 10, 2006.	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	___ Yes <input checked="" type="checkbox"/> 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: 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 - 4th Floor, Albany, NY 12233-3505). **DO NOT SUBMIT REPORTS IN THREE-RING BINDERS.**



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

Regulated MS4: Town of Ramapo SPDES Permit Number: NYR20A202

Annual Report Table for year ending: March 9, X 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 - 4th Floor, Albany, NY 12233-3505). **DO NOT SUBMIT REPORTS IN THREE-RING BINDERS.**

Minimum Control Measure 1. Public Education and Outreach

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

<p>Permit Reference IV.C.1.a, b: Plan and conduct an ongoing public education and outreach program to ensure the reduction of all pollutants of concern in stormwater discharges to the maximum extent practicable (MEP).</p> <ul style="list-style-type: none"> • <i>Explain the program, including activities and materials used</i> • <i>Identify the personnel or outside organization conducting the activity.</i> • <i>Indicate activities planned for next year.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>As indicated in the Town’s NOI, Ramapo intends 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. On March 3, 2006 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 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.</p> <p>The brochure is also posted on the Town’s website along with the Public Service Announcements (PSAs) from prior years’ efforts.</p> <p>Finally, on behalf of Ramapo and other local MS4s and for the benefit of public education, CCE of Rockland wrote and distributed articles to 12+ local media outlets including newspapers, radio and cable television:</p> <ul style="list-style-type: none"> • <i>Buying and Using Road Salt</i> (2/5/06) focused on limiting the use of road salt, restricting use to time when ground is frozen, etc. 	<p>Our measurable goal in this category was whether or not we succeeded in our endeavor. Our mailing did go on time and a copy of the brochure is on the Town’s website. The corresponding Public Service Announcement (PSA) however was not completed. See below why our efforts might be more useful elsewhere.</p>

<ul style="list-style-type: none"> • <i>Effect of Dry Weather on Plants (8/25/05)</i> – focused on limited use of pesticides/fertilizers on lawns and gardens during the 2005 summer drought. • <i>Use Spring Fertilizer Judiciously</i> – a public service announcement aired on local radio station (WRCR) in April/May 2005. <p>Next year, Ramapo intends to send the hazards of litter brochure out to Schools and Community Service Facilities of which Ramapo has numerous ones, while also seeking out other pre-printed materials to send to our businesses and host on our website. On behalf of Ramapo and the other local MS4s CCE intends to organize and conduct a countywide Stormwater Symposium, for the general public and those who work in stormwater management, to raise awareness of current issues and best management practices. CCE will also continue to promote best stormwater management practices to the general public through its regular classes, news releases, public service announcements, flyers/fact sheets, and Horticulture Diagnostic Lab.</p>	
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>Under Ramapo’s contract with Cornell Cooperative Extension of Rockland (CCE), free educational classes on stormwater and related topics were offered to the general public. Daytime and evening classes were offered to accommodate working schedules.</p> <ul style="list-style-type: none"> • <i>Lawn Care</i> (with emphasis on keeping pesticides, fertilizers, grass clippings, leaves and other yard waste out of storm drains/ditches) – 6/17/05 @ Suffern Library • <i>Fall Yard Care</i> (same emphasis as <i>Lawn Care</i> above) – 10/17/05 @ Finkelstein Library, Spring Valley • <i>Wet Basements</i> (emphasis on property water flow and drainage) – 2/6/06 @ 	<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 will increase.</p>

<p>Suffern Library</p> <p>In addition, more than 1,200 fact sheets, booklets and other written educational materials were distributed to class participants, at community events (eg. fairs, farmers markets, garden clinics, Home & Garden Show, etc.), and to more than 600 callers/visitors to the Horticulture Diagnostic Lab at CCE of Rockland. These included <i>Landscape Plants for Wet Areas</i>, and <i>Xeriscape Landscaping (CCE)</i>; <i>Save Every Drop: A Users Guide to Water Conservation</i>, and <i>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</i>; <i>Streamside and Shoreline Protections: Erosion Control in Riparian Areas (CCE)</i>; <i>After the Storm: A Citizen's Guide to Understanding Stormwater (EPA)</i>.</p> <p>This past year, Fact Sheets titled "What is a Watershed?" and "What is Stormwater and Where Does it Go?" were placed on a table outside the Town Clerk's Office at Ramapo Town Hall for public display. Approximately thirty (30) sheets of each type were placed and taken by the public.</p>	
<p>Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:</p> <p>It really does not make sense to issue a Public Service Announcement (PSA) that revolves around a specific contaminant and a specific business type. It is too specific. Rather, our message will reach more people and be more appropriate if it is more general in nature and concentrates on few general repetitive themes.</p>	

Minimum Control Measure 2. Public Involvement/Participation

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

<p>Permit Reference IV.C.2.c.iii.: Design and conduct a public involvement / participation program.</p> <ul style="list-style-type: none"> • <i>Describe activities that the MS4 has/will undertake to provide program access to interested individuals and to gather needed input.</i> • <i>Indicate activities planned for next year.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>For the past two 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>Representatives of the Town of Ramapo have attended several Rockland County Water Quality Committee Meetings of which local municipalities stormwater efforts have been a topic. Many members of this organization are active in the environmental community.</p> <p>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. On a number of occasions citizens have inquired about what they were doing and why they were doing it and they responded accordingly. Cornell Cooperative Extension has continued to promote the availability of the Storm Drain Markers for scouting groups and other volunteer organizations to apply as community service projects. Some have taken advantage of this program.</p> <p>Ramapo assisted Keep Rockland Beautiful Inc. in advertising for their annual Great American Cleanup held in the Spring of 2005.</p> <p>As indicated last year, instead of operating a separate telephone litter hotline from the DPW Office, we have posting information on our website as to who to contact pertaining to what was observed.</p> <p>In this upcoming year, it is 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.</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. Other people have at various times asked questions. 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 three hundred and fifty (350) storm drain markers were applied by our student interns in the Hillcrest section of the Town of Ramapo. This far exceeded the measurable goal of fifty (50). However, any public 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 if any.</p> <p>Supervisor St. Lawrence has supported local cleanup efforts organized by Keep Rockland Beautiful. He has in the past couple of years conducted litter walks with members of the public. The Great American Cleanup had approximately five (5) groups consisting of about fifty (50) people participating in the 2005 event.</p>

Permit Number: NYR20A202_

<p>Permit Reference IV.C.2.a, f: Develop procedures to provide public notice about and access to documents and information in a manner that complies with state and local public notice requirements. <i>Describe procedures below and state the methods used to publicize the AR public presentation.</i></p>		
<p>The Year 2 Public Presentation was made at a regular Town Board Meeting on May 11, 2005. This presentation was advertised in the Rockland Journal News on April 30, 2005 and in the Rockland County Times on April 29, 2005. May 20, 2005 was established as the cut off date to receive public comments on the Draft Plan.</p>		
<p>Permit Reference IV.C.2.e: Public presentation of; f: summary of comments received on; and g: intended response to comments on the SWMPAR.</p>		
<p>Summarize attendance at the public presentation of the Annual Report. Include number of attendees and who was represented:</p>		
<p>Since the Year 2 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 people in attendance however no comments were made.</p>		
<p>Comments on Annual Report Meeting <input checked="" type="checkbox"/> No public comments received on Annual Report. <input type="checkbox"/> Comments received. Attach summary of comments and intended responses.</p>	<p>Date of Annual Report Meeting:</p>	<p>Approximate Date of Meeting Next Year:</p>
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>	
<p>Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:</p>		
<p>The reporting for the Annual Presentation is 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 3 Report. If I report on Year 3 however, I will not have reported on our Year 2 efforts in this regard. 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>Permit Reference IV.C.3.a: Develop, implement and enforce a program to detect, identify and eliminate illicit discharges, including illegal dumping, into the MS4.</p> <ul style="list-style-type: none"> • <i>Explain the activities and procedures used to meet this requirement this year <u>and planned for next year.</u></i> • <i>Revise as procedures are updated.</i> • <i>Identify personnel or outside organization conducting the activities</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> • <i>Example measurable goals: number of illicit discharges detected; number of illicit discharges eliminated.</i>
<p>In Year 2, we inspected each of our outfall structures that Unincorporated Ramapo is responsible for. This past year we inspected each of our known outfalls a second and on some occasions a third time to look for objectionable materials. A student intern photographed each outfall a second time but due to time of year and time of year it is difficult to compare one year to the next at this point. We will continue to have them 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 over 6.8 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. Only one potential illicit discharge was reported by the student interns. I performed a follow up inspected it and it was not determined to be a violation.</p> <p>Ramapo’s measurable goal of installing five (5) “No Dumping” signs was met.</p> <p>Our measurable goal of flushing five (5) miles of sanitary sewer was exceeded. 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>Permit Reference IV.C.3.b: Develop and maintain a map showing the location of all outfalls and the names and location of all waters of the US that receive discharges from outfalls. <i>Explain activities performed this year <u>and planned for next year, including work on the following IDDE guidance prerequisites:</u></i></p> <ul style="list-style-type: none"> • field verification of outfall locations; • mapping all inter-municipal subsurface conveyances; • delineating storm sewershed; and • developing and retaining MS4 mapping as needed to find the source and identify illicit discharges. <i>State if maps are in GIS.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> • <i>Example measurable goals: percent of outfalls mapped</i>

<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 reached out to the 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 however is a continuous process.</p>

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

Permit Reference IV.C.3.c: Prohibit, through an ordinance, local law or other regulatory mechanism, illicit discharges into the MS4. The MS4s have until year 5 to complete the local law work. See the instructions for information about completing this section.	
Does the MS4 have the legal authority to enact ordinances, local laws or other regulatory mechanisms?	<input type="checkbox"/> No (go to ADDENDUM 1) <input checked="" type="checkbox"/> Yes (complete questions below)
Assessment of Regulatory Mechanism (Local Code)	
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: <u> </u> 4; <u> </u> 5.
2) Is there an existing ordinance, local law or other regulatory mechanism?	<input type="checkbox"/> No (go to question 5) <input 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
Development of Regulatory Mechanism (Local Codes)	
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: <u> </u> 4; <u> </u> 5.
6) If you answered 'No' to question 1, 2 or 3, what regulatory mechanism or amendments will be adopted to meet the MS4 permit requirements?	<input type="checkbox"/> NYS IDDE Model Law in its entirety <input type="checkbox"/> Selected NYS IDDE Model Law articles adopted as amendments to existing code(s) that are equivalent to the NYS IDDE Model Law <input checked="" type="checkbox"/> MS4 will write language equivalent to NYS IDDE Model Law
7) If you answered 'No' to question 1, 2 or 3, has a list of needed changes to local codes been developed for adoption of the regulatory mechanism?	<input type="checkbox"/> No <input type="checkbox"/> Yes, list the local code(s) that will be changed:
8) If the existing regulatory mechanism does not require amendments, what language is in the mechanism?	<input type="checkbox"/> NYS IDDE Model Law in its entirety <input type="checkbox"/> Selected NYS IDDE Model Law articles adopted as amendments to existing code(s) that are equivalent to the NYS IDDE Model Law <input 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: March 8, 2006
10) Provide a web address if adopted local law can be found on a web site.	Web Address: Not on Ramapo website yet.

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

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

<p>Permit Reference IV.C.3.e: Inform public employees, businesses and the general public of hazards associated with illegal discharges and improper disposal of waste.</p> <ul style="list-style-type: none"> • <i>Explain activities and materials used to meet this requirement this year <u>and planned for next year</u></i> • <i>Identify personnel or outside organization conducting activities</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>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 2005, 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>As indicated previously in MCM #1 we intend to either send out additional commercial litter brochures to other property classifications or a different flyer to a different type of business. Ramapo also plans on distributing the Passover Cleanup brochures to the Monsey community once again as well as a general litter flyer to all of its residents.</p>	<p>As indicated in MCM #1, over 190 businesses were sent the commercial litter mailing in early March 2006.</p> <p>Approximately 10,000 flyers were produced for distribution as part of our notification of the 2005 Passover Cleanup and how to dispose of hazardous wastes.</p>
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:</p>	

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: <input checked="" type="checkbox"/> 4; <input type="checkbox"/> 5. <input type="checkbox"/> Did not do preliminary assessment; proceeded directly to Gap Analysis Worksheets 1-4 or adopted <i>Sample Local Law for Stormwater Management and Erosion & 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: <input checked="" type="checkbox"/> 4; <input 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 type="checkbox"/> The entire Sample Local Law adopted as amendments to existing code or as stand alone law. <ul style="list-style-type: none"> • If no portions of the Sample Local Law were moved or deleted, all provisions would be exactly the same as the Sample Local Law. • If ANY provisions of the Sample Local Law were moved or deleted, the moved or changed provisions must be reviewed (use the <i>Gap Analysis</i> or equivalent process) to ensure the intent of the law has not been changed. b. <input type="checkbox"/> Parts of NYS Sample Local Law adopted as amendments to existing code. c. <input type="checkbox"/> Language developed by municipality was demonstrated to be equivalent.
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Minimum Control Measure 4 and 5. Construction Site and Post-Construction Stormwater Runoff Control Regulatory Mechanism

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

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

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

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

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

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

Sample Local Law Articles	NUMBER OF REQUIRED CLAUSES IN LOCAL LAW		
	Existing clauses exactly the same as the Sample Local Law language	Existing clauses equivalent to the Sample Local Law language (see Gap Analysis Workbook Equivalence Sheets for information to help determine equivalence)	Sample Local Law or equivalent language to be adopted , listed as legislative agenda items.
1			
2			
3, 4, 5			
6			
TOTAL			

6. Has a list of needed changes (legislative agenda) been developed for adoption of amendments to local codes (or for deletion of existing codes that are addressed by adoption of a stand alone law)?

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.

7. What was the date or is planned date of local code adoption? Date: December 2006

8. Provide a web address if the adopted local law can be found on a web site. Web Address:

Minimum Control Measure 4. Construction Site Stormwater Runoff Control

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

<p>Permit Reference IV.C.4.b. v: Develop and implement procedures for site plan review by the MS4 that incorporate consideration of potential water quality impacts and review individual pre-construction site plans to ensure consistency with local sediment and erosion control requirements.</p> <ul style="list-style-type: none"> • <i>Describe the procedures below. <u>Revise as procedures are updated.</u></i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> • <i>Example measurable goals: number of plans received; number of plans reviewed; percent of plans received that are reviewed.</i>
<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>Permit Reference IV.C.4.b. vi: Develop and implement procedures for the receipt and consideration of information submitted by the public.</p> <ul style="list-style-type: none"> • <i>Explain the procedures below. <u>Revise as procedures are updated.</u></i> • <i>Identify the responsible personnel or outside organizations.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: 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>Permit Reference IV.C.4.b. iii, vii: Develop and implement procedures for site inspections, enforcement of control measures and sanctions to ensure compliance with GP-02-02.</p> <ul style="list-style-type: none"> Describe each procedure below. <i>Revise as procedures are updated.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> Example measurable goals are number of: inspections; fines assessed; stop work orders; other sanctions.
<p>The Town has returned to it's "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 six (6) site visits in September 2005, four (4) site visits in October 2005 and eleven (11) site visits in January 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 3 (Almost 2 per day) The Town's Code Enforcement Officer issued eleven (11) violation notices in 2005 based on complaints received from Town personnel. Each of the eleven (11) violations were corrected prior to going to Court. A minimum of twenty-two (22) site visits were therefore conducted by the Code Enforcement Officer. (A minimum of two per violation)</p>
<p>Permit Reference IV.C.4.b. viii: Educate and train construction site operators about requirements to develop and implement a SWPPP and any other requirements they must meet within the MS4s jurisdiction.</p> <ul style="list-style-type: none"> Explain the activities and materials used to meet this requirement. Identify the personnel or outside organization conducting this activity. Indicate activities planned for next year. 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>The Ramapo Building Department has been asked to develop a list of builders to invite to an upcoming education seminar. Cornell Cooperative Extension has indicated it will conduct training sessions for construction site operators, code enforcers, building inspectors, planning/zoning board members and landscape contractors about best stormwater management practices and requirements to develop and implement a SWPPP. By next year we should have at least our list</p>	<p>First class conducted by March 2007.</p>

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

Minimum Control Measure 5. Post-Construction Stormwater Management

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

<p>Permit Reference IV.C.5.a, c. Develop and implement a post-construction stormwater management program that addresses stormwater runoff from new development and redevelopment and will reduce the discharge of pollutants to the MEP. Program requirements should include:</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • A combination of structural and/or non-structural management practices. • <i>Identify and describe below procedures to ensure installation of post-construction management practices. <u>Revise as procedures are updated.</u></i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>On October 17, 2005 the Town installed four (4) Stormdrain Solutions’ Inceptors within catch basins that immediately surround the Highway/ DPW yard. On October 28, 2005 we installed a single Kristar FloGard Plus insert filter in a catchbasin that collects a lot of litter. These structural devices are intended to collect contaminants prior to it entering our storm drain system. These products have been inspected and cleaned periodically through the winter.</p>	<p>Ramapo did install the five (5) devices that we had previously indicated we would.</p>
<ul style="list-style-type: none"> • Procedures for site plan and SWPPP review to ensure SWMPs meet state standards. • <i>Describe procedures below. <u>Revise as procedures are updated.</u></i> 	<ul style="list-style-type: none"> • <i>Example measurable goals include: number of plans received; number of plans reviewed; percent of plans received that are reviewed.</i>
<p>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 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>	<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>

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.

Permit Reference IV.C.5.a, c. (continued): Develop and implement a post-construction stormwater management program that addresses stormwater runoff from new development and redevelopment and will reduce the discharge of pollutants to the MEP. Program requirements should include:	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
<ul style="list-style-type: none"> • Procedures for inspection and maintenance of post-construction management practices. • <i>Explain procedures below. <u>Revise as procedures are updated.</u></i> 	<ul style="list-style-type: none"> • <i>Example measurable goals are number of: inspections maintenance activities performed.</i>
<p>Inspection and Maintenance procedures are being developed for the devices that the Town has installed. Many of the devices that are proposed by private developers have not yet been installed and are either in the design phase or are under construction. 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 will have the procedures for cleaning our existing devices by October 2006. 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"> • Procedures for enforcement and penalization of violators. • <i>Explain procedures below. <u>Revise as procedures are updated.</u></i> 	<ul style="list-style-type: none"> • <i>Example measurable goals: number enforcement activities performed.</i>
<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.</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>Permit Reference IV.C.5.a, c. (continued): Develop and implement a post-construction stormwater management program that addresses stormwater runoff from new development and redevelopment and will reduce the discharge of pollutants to the MEP. Program requirements should include:</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • Adequate resources for a program to inspect new and re-development sites and for enforcement and penalization of violators. • <i>Describe resources below. Update annually.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>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 Gap Analysis is performed on our current laws and changes are made.</p>
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>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. In Year 3 we planted more trees than in Year 2 yet we did not reach our newly increased goal.</p>	<p>Ramapo’s Open Space acquisition of the 16 acre Mowbray-Clark residential property on South Mountain Road, a 56 acre equestrian center on New York State Route 202 and the 26 acre vacant lot at the intersection of Pomona Road and New York State Route 45 was completed prior to March 9, 2006. All of these properties could have been subdivided and developed under existing zoning requirements.</p> <p>The Town planted sixty (60) 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:

I am not completely satisfied that we are getting the most benefit for our money spent on the structural devices Ramapo has purchased. The devices being proposed are expensive and don't have the historical track record one would look for normally prior to purchasing any item. We do not therefore want to be pigeon holed into purchasing an additional five (5) devices simply to meet an arbitrary goal we established ourselves. I therefore would like to reserve the right to purchase and/ or install a lesser number of structural devices if it is determined that it will serve our stormwater goals in a more advantageous manner.

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

OVERALL MUNICIPAL POLLUTION PREVENTION / GOOD HOUSEKEEPING PROGRAM INFORMATION

<ul style="list-style-type: none"> • This table is for MS4s to report on their OVERALL Municipal Pollution Prevention / Good Housekeeping Program. • A separate table follows that is for MS4s to report on management practices performed in identified municipal operations. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • <i>List pollutants that will be addressed by the municipal pollution prevention program.</i> 	
<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"> • <i>Set and describe pollution prevention priorities by geographic areas, municipal operation type, and facilities.</i> 	<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>Permit Reference IV.C.6.a: Include a municipal pollution prevention training component for staff (where all staff are trained).</p> <ul style="list-style-type: none"> • <i>Explain activities and materials used to meet this requirement.</i> • <i>Identify training needs and design training components</i> • <i>Determine the adequacy and appropriate frequency of staff training.</i> • <i>Identify personnel or outside organization conducting activities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>Refer to Page 22 in this section for information on a training class for Snow and Ice Operations.</p> <p>Several Ramapo officials also attended a workshop sponsored by the NYSDEC Division of Water, Rockland Municipal Planning Federation and the Hudson Valley Regional Council among others on Minimum Control Measures 4 & 5.</p>	<p>On March 15, 2006 a Training Session was conducted on Roadway & Roadside Maintenance at the Cornell Cooperative Extension. Based on the date, it is considered a Year 4 activity.</p> <p>The Workshop for the officials was held on June 20, 2005 at the Rockland County Fire Training Center.</p>

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

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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"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • <i>Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing policies and procedures</i> • <i>Briefly describe or reference any policies and procedures being developed</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>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 eighty-two (82).</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> <p>See above.</p>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<ul style="list-style-type: none"> • <i>Identify and describe the equipment and staff that are in place</i> <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;
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"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • <i>Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing policies and procedures</i> • <i>Briefly describe or reference any policies and procedures being developed</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>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 over eighty-seven (87) miles of streets in Unincorporated Ramapo in Year 3.</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> <p>See above.</p>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<ul style="list-style-type: none"> • <i>Identify and describe the equipment and staff that are in place</i> <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"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • <i>Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing policies and procedures</i> • <i>Briefly describe or reference any policies and procedures being developed</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>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. This past year the area along this wall was regarded to insure that groundwater is diverted away from the salt shed. 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"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>Salt storage protection.</p>	
<ul style="list-style-type: none"> • <i>Identify and describe the equipment and staff that are in place</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The 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</p>	

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<p>event. The Town's covered salt shed can hold approximately two-thousand tons 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; ___Park and Open Space Maintenance; **X** Municipal Building Maintenance;
___Solid Waste Management; ___Other: _____

<ul style="list-style-type: none"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • <i>Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing policies and procedures</i> • <i>Briefly describe or reference any policies and procedures being developed</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The Town of Ramapo currently has no written policy among its Departments on how to address a variety of spills that could occur during the normal course of operations. This past year we have contracted with Miller Environmental Group Inc. to develop a Spill Response Plan. Two separate meetings have been held at the various Town facilities and draft versions of site specific spill response plans have been produced. Plans for the Central Garage, Highway Dept., Parks Maintenance Bldg, Golf Course, Town Hall, Sewer Dept and various pools are in progress.</p>	<p>We had originally hoped to have the Spill Response Plans completed by the Year 3 reporting deadline but they have not. We are currently working on finalizing the plans and they should be ready by October 2006.</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> <p>See above.</p>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<ul style="list-style-type: none"> • <i>Identify and describe the equipment and staff that are in place</i> <p>Necessary staff at each of the sites are in place.</p>	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>

Minimum Control Measure 6. Municipal Operations: ___Street and Bridge Maintenance; **X** Winter Road Maintenance; ___Stormwater System Maintenance; ___Vehicle and Fleet Maintenance; ___Park and Open Space Maintenance; ___Municipal Building Maintenance; ___Solid Waste Management; ___Other: _____

<ul style="list-style-type: none"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c (continued): Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from municipal operations to the MEP.</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The existing programs we now have in place do adequately reduce and/ or prevent pollutant discharges to some extent.</p>	
<p>Permit Reference IV.C.6.a: If there is a training component for staff specific to these municipal operations:</p> <ul style="list-style-type: none"> • <i>explain the activities and materials;</i> • <i>identify the personnel or outside organization conducting the activities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>Training for staff of public works, and highway and parks departments was coordinated by CCE for all participating MS4s in Rockland County, as listed below. In each case, a significant portion of the 3-hour training focused on stormwater management and water pollution prevention.</p> <ul style="list-style-type: none"> • <u><i>Snow and Ice Control Operations</i></u> – 1/24/06 @ Rockland County Fire Training Center; total of 164 participants of which 24 were from Unincorporated Ramapo. The instructor was Duane Amsler, Sr., P.E., consultant for the Cornell Local Roads Program (CLRP), who distributed 	<p>Twenty-four (24) Town of Ramapo Highway/ DPW workers attended this training session on January 24, 2006.</p>

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<p>two useful booklets to all participants: <i>Snow and Ice Control</i> (93 pp., CLRP #00-2), and <i>Snow and Ice Control Handouts (CLRP)</i>. Class topics included snow and ice control materials (effectiveness, calibration, preventing pollution); weather and pavement conditions; materials management, storage, use and disposal; designing a treatment plan.</p>	
<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:</p>	

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

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. 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.

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

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

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

<p>Permit Reference IV.C.3.c: Prohibit, through an ordinance, local law or other regulatory mechanism, illicit discharges into the MS4. The MS4s have until year 5 to complete this work.</p>		
<p>1) When was this work completed or planned to be completed?</p>	<p>Date completed: _____ 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 ___ 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 ___ 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"> • none of the mechanisms in number 2 contain language prohibiting illicit discharges; or • the MS4 intends to add language to prohibit illicit discharges in other control mechanisms. 	<p>Explanation:</p>	
<p>5) Explain how the MS4 (intends to) enforce against illicit dischargers within their jurisdiction?</p>	<p>Explanation:</p>	

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

Permit Reference IV.C.4.b.i, 5.a.i: Require development and implementation of erosion and sedimentation controls through a local law or other regulatory mechanism. The MS4s have until year 5 to complete this work.	
1) When was this work completed or planned to be completed?	Date completed: _____ Not yet completed Plan to complete for reporting in year: ___4; ___5.
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)).	
___ Access Permits ___ Tenant Leases ___ Requests for Proposals (RFPs) ___ Scope of Services	___ Consultant Agreements ___ Construction / Bid Documents ___ Other Policies / Procedures _____
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.	
Control Mechanism	<u>Erosion, Sedimentation and Stormwater Management Requirements</u>
	Require all projects to have SWPPPs, as in GP-02-01
	Require all 16 components of a basic SWPPP (erosion and sediment control)
	Require all additional 7 components for a full SWPPP when post-construction control is required
	Meet the standards in the <i>Erosion and Sediment Control</i> and <i>Stormwater Management Design Manuals</i> (or otherwise meet the requirements of GP-02-01)
	Require contractor certification statements stating that the contractor will agree to comply with the terms and conditions of the SWPPP
	Require proper operation and maintenance of stormwater facilities during construction
	Require proper operation and maintenance of stormwater facilities after construction
	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
	Have a process for review of SWPPPs
	Require site self inspections as in GP-02-01
	Have enforcement procedures during and after construction
	Require construction site operators to control waste
	Procedures for receipt and consideration of information submitted by the public
4) If any of the requirements in number 3 are not addressed, explain how the MS4 intends to incorporate them into the control mechanisms?	Explanation:
5) Explain how the MS4 intends to enforce the requirements within their jurisdiction?	Explanation:

