



**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: City of Ithaca

SPDES Permit Number: NYR20A 283

See information packet for information to help complete this form.

MCC Form for year ending: March 9, <u> </u> 2006 (Year 3) <input checked="" type="checkbox"/> 2007 (Year 4) <u> </u> 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? <u> </u> Yes <input checked="" type="checkbox"/> No			
Name: Carolyn Peterson		Title: Mayor	Department: Mayor's Office
Mailing Address:	Street or P.O. Box: 108 East Green Street	City: Ithaca	
	County: Tompkins	State: New York	Zip Code: 14850
Phone: (607) 274-6501		E-mail Address: carolynp@cityofithaca.org	
Local Stormwater Public Contact (Required by Minimum Measure 2)			
Is information below: 1) new or changed? <u> </u> Yes <input checked="" type="checkbox"/> No 2) same as: <u> </u> Owner/Operator			
Name: Scott Gibson		Title: Environmental Engineer	Department: Public Works – Water & Sewer
Mailing Address:	Street or P.O. Box: 510 First Street	City: Ithaca	
	County: Tompkins	State: New York	Zip Code: 14850
Phone: (607) 272-1717		E-mail Address: scottg@cityofithaca.org	
Stormwater Management Program (SWMP) Coordinator (Responsible for implementation/coordination of SWMP)			
Is information below: 1) new or changed? <u> </u> Yes <input checked="" type="checkbox"/> No 2) same as: <u> </u> Owner/Operator <input checked="" type="checkbox"/> Local Stormwater Public Contact			
Name:		Title:	Department:
Mailing Address:	Street or P.O. Box:	City:	
	County:	State:	Zip Code:
Phone: ()		E-mail Address:	
Annual Report Preparer			
Is information below: 1) new or changed? <u> </u> Yes <input checked="" type="checkbox"/> No 2) same as: <u> </u> Owner/Operator <u> </u> Local Stormwater Public Contact <input checked="" 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) 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
Cayuga Lake, Southern End	Phosphorus, Silt/Sediment	X	

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

Yes
 No

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

Yes
 No (explain below)

Explanation: *Special conditions for the southern end of Cayuga Lake have not been finalized.*

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

None

List MS4 Partners with Planned Legally Binding Agreements or Contracts

None

List MS4 Partners with Other Agreements in Place

A formal resolution was passed through the City Board of Public Works on August 13, 2003 to recognize a cooperative regional partnership of the Intermunicipal Organization, the Cayuga Lake Watershed Network, and the 10 MS4s within Tompkins County as a stormwater coalition. This resolution had been attached by appendix in the first two annual report submissions and would be redundant to this report. Each MS4 authorized a Memorandum of Agreement during the summer of 2006 to become a full stormwater coalition. The group has been working and continues to work on by-laws. The City, along with the other MS4s, now contribute \$1,500 annually as membership fee. See Appendix A for MOA and invoice.

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: *Round 6 of WQIP; total \$175,000 for regional coalition. Round 7 of WQIP; total of \$100,000 for regional coalition. State Water Quality Mini-Grant funding from DEC and State Soil and Water; \$45,000 for regional coalition. \$15,000 in stormwater coalition membership dues.*

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 <u>ONLY</u>	
		Steady Progress	Goals Achieved
IV.C.1.	Public Education and Outreach on Stormwater Impacts Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	<input checked="" type="checkbox"/> Yes ___ No ___ N/A
IV.C.2.	Public Involvement / Participation Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	<input checked="" type="checkbox"/> Yes ___ No ___ N/A
IV.C.3.	Illicit Discharge Detection and Elimination Explain 'no' / 'N/A' answer:	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	<input checked="" type="checkbox"/> Yes ___ No ___ N/A
IV.C.4.	Construction Site Stormwater Runoff Control Explain 'no' / 'N/A' answer: Efforts to obtain draft local law are in place but the final version was not approved by the end of the 4 th reporting period as anticipated. This is due to inadequate staffing and resource allocation. The City has aspirations of completing this goal by October 2007, however.	<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: Efforts to obtain draft local law are in place but the final version was not approved by the end of the 4 th reporting period as anticipated. This is due to inadequate staffing and resource allocation. The City has aspirations of completing this goal by October 2007, however.	<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:	<input checked="" type="checkbox"/> Yes ___ No ___ N/A	<input checked="" type="checkbox"/> Yes ___ No ___ N/A

Certification Statement

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Print Name: _____ Title: _____

Signature: _____ Date: _____

This form must be signed by either a principal executive officer or ranking elected official, or duly authorized representative of that person as described in Part VI.I.2. of the permit. See instructions for more information about who can sign this form.

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

The following abbreviations were used throughout this document

SWG = Tompkins County Stormwater Working Group
CCE = Cornell Cooperative Extension of Tompkins County
Network = Cayuga Lake Watershed Network
SWCD = Tompkins County Soil and Water Conservation District
IO = Cayuga Lake Watershed Intermunicipal Organization
WRC = Tompkins County Water Resources Council
TCP = Tompkins County Planning
TC = Tompkins County
W&S = City of Ithaca Water & Sewer Division of Public Works
S&F = City of Ithaca Streets and Facilities Division of Public Works



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

Regulated MS4: CITY OF ITHACA SPDES Permit Number: NYR20A 2 8 3

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

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

Minimum Control Measure 1. Public Education and Outreach

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

<p>Permit Reference IV.C.1.a, b: Plan and conduct an ongoing public education and outreach program to ensure the reduction of all pollutants of concern in stormwater discharges to the maximum extent practicable (MEP).</p> <ul style="list-style-type: none"> • Explain the program, including activities and materials used • Identify the personnel or outside organization conducting the activity. • <u>Indicate activities planned for next year.</u> 	<p>Describe Measurable Goals and Results (when applicable) <i>Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</i></p> <p>Pollutants of Concern: The City of Ithaca along with the other Tompkins County regional MS4s have been focusing on the following POCs in it’s public education and outreach: Pesticide use, floatable solids, debris, phosphorus, biological impacts from yard and pet waste, general nutrient problems.</p> <p>Contributors of Stormwater and Non-Stormwater Discharges: The following have been assessed as the primary contributors of Stormwater and Non-Stormwater related discharges – Roof leaders, street runoff, potable water usage from fire hydrant discharge, construction site development.</p> <p>Assessment of Compliance: The City of Ithaca feels that it has met this measurable goal.</p>
<p>The Stormwater Coalition hosted a construction workshop presentation with NYSDEC’s Ellen Hahn. The workshop targeted developers, planners, engineers, etc.</p>	<p>Held on April 13, 2006 in Lansing for thirty-seven participants. Training sessions like these are anticipated to be given annually. Provides both classroom and field training.</p>
<p>Pledge for Clean Water Website: Developed by the Stormwater Coalition of Tompkins County, Cornell Cooperative Extension of Tompkins County, and the Cayuga Lake Watershed Network. County-wide: Completed development of the <i>Pledge for Clean Water</i> web site, which will serve as the centerpiece of an outreach campaign designed to help residents identify steps that they can take to reduce stormwater pollution. This</p>	<p>Ongoing</p>

<p>web site is a companion to the Cayuga Lake Watershed Network’s publication <i>Smart Steps for Clean Water</i>. The site provides background information about stormwater and why it is a concern. It then guides the user through a series of pages in which the user can learn about and identify actions that can be taken in daily life around lawn care, vehicle and boat care, and septic system and well maintenance, for example. The site also provides useful links to other information sources and all MS4s in the county. www.cleanwaterpledge.org Now that the web site has been completed, a media campaign to promote the <i>Pledge for Clean Water</i> (including media releases, PSAs, outreach at community events, newsletter articles, etc.) will be undertaken in 2007 and 2008.</p>	
<p>State of Our Streams: A Progress Report on Volunteer Water Quality Monitoring – Organized by Cornell Cooperative Extension of Tompkins County and the Community Science Institute. County-wide: 30 volunteers from 5 different volunteer water quality monitoring groups, agency staff, and members of the public gathered to share data from water quality monitoring in the Six Mile, Fall-Virgil, Taughannock, Trumansburg, and Salmon Creek watersheds and at Stewart Park. The City helps to ensure the success of these programs possible by providing funding to local volunteer monitoring groups and the Community Science Institute.</p>	<p>Published on December 6, 2006. Report will be useful in helping the region to better understand the condition of water in their immediate area and to identify potential correlation with development, land use, and other local impacts.</p>
<p>“Benefits of Riparian Areas and Stream Buffers” created by TC Planning Dept for distribution in 2007.</p>	<p>One time event. Will be distributed in 2007.</p>
<p>WRC Aquifer Committee surveyed water purveyors to ask what is most beneficial to them to protect their water supply. 50% response rate.</p>	<p><u>Highlights from a survey of Water Purveyors in Tompkins County include:</u></p> <ol style="list-style-type: none"> 1. Nearly half the responding systems (10 small, 7 medium, and 3 large) expressed some concern about water quality. 2. Most water quality concerns were aesthetic (iron, smell, etc.). 3. Respondents wanted education on Source Water Assessment Reports (SWAR) and many respondents didn’t answer the SWAR questions. 4. Small and medium purveyors wanted education and land use controls, whereas large users wanted aquifer studies. 5. Suppliers with quantity concerns were those tapping bedrock aquifers. 6. Large users tap sand and gravel aquifers, no large users tap bedrock.

	<p>7. The bigger the purveyor, the more likely they are to expect an increase in demand.</p> <p>8. Large users expecting an increase in demand were more concerned about quality than about where they would get their water.</p> <p><u>Recommendations of things that the WRC can do:</u></p> <p>Identify agencies and specific subjects to educate water system owners, operators, landowners, and municipalities. For example:</p> <ol style="list-style-type: none"> 1. Highlight the role of the City/Town/Village in protecting water sources. 2. Determine whether SWARs are valuable resources to educate system owners and municipalities and to form a baseline for managing water resources. Consider developing methods to make SWARs more accessible and useful. 3. Identify sources of funding for system improvements and aquifer studies.
<p>Tompkins County Environmental Appreciation Days: (county-wide) 58 volunteer leaders instructed 327 4th-6th grade students in hands-on nature, ecology, and watershed lessons during Environmental Appreciation Days held at local State Parks and 4-H Acres on May 5, 8, and 9, 2006. Lessons included among others: <i>The Stream and its Aquatic Animals, Floating Classroom, Life of a Stream, Stream Treats for Fish, Water Week, Streams: The Earth's Circulatory System, Freshwater: The Stuff of Life, and Working Watershed.</i> Organized by Cornell Cooperative Extension of Tompkins County 4-H Youth Development Program and the Finger Lakes State Parks. The Watershed Network provided lessons on non-point-source pollution and its relationship to stormwater. SWCD provided lessons on erosion and sediment.</p>	<p>Annual Program</p>
<p>Water week, May 5 & 6: Organized by the Tompkins County Health Department and Cornell Cooperative Extension of Tompkins County County-wide: 15 organizations provided educational lessons, displays, and interactive exhibits for Water Week including demonstrations of monitoring and inspection equipment; models of groundwater and surface water runoff; and educational computer games for children. Over 200 people viewed exhibits, discussed water-related issues with agency staff, and participated in the Tompkins County Drinking Water Taste Test at the Ithaca Farmers Market. The City lectured school children on phosphorus pollution and its affects on our watershed. The City GIS group also demonstrated data management</p>	<p>Annual Event</p>

<p>interaction. The City Water Plant Lab Director used an “enviroscape” model to show children the workings of a typical watershed. EPA handouts on stormwater management were provided. City operators also coordinated with Bolton Point and Cornell WTPs to do presentations to roughly 20 children on available drinking water, treatment and protection of resources.</p> <p>Three fifth grade classrooms, teachers, and parents from the Town of Ulysses enjoyed educational lessons on drinking water sources, drinking water treatment, stormwater management, water quality monitoring, and GIS systems at Environmental Appreciation Days in conjunction with Water Week.</p> <p><u>Water In Water Out</u> hosted by City of Ithaca as part of Waters Week (May) and attended by 30 people from around the county.</p>	
<p>AgStravaganza, an event that educates the public about the Tompkins County Soil and Water Conservation District.</p>	<p>Annual Program that reached more than 50 in March 2006.</p>
<p>Farm City Day is another event educating the public about TCSWCD</p>	<p>Annual Program held in July that reached more than 100 people of all ages.</p>
<p>"Sum of the Parts" was a stormwater activity held at the Ithaca Sciencecenter, teaching children in demonstrations on how everyone contributes to pollution. Participants recognized that these contributions can be reduced.</p>	<p>25 children participated. One time event but there may be additional sessions in the future. Given by CCE.</p>
<p>SWCD sponsored the annual “Envirothon” – a hands on environmental education contest for 50 high school students who learn about and develop appreciation for our natural environment through fun competition.</p>	<p>Annual Program</p>
<p>The CLWN sponsored an essay contest for area youth entitled: “What’s in Our Water?”</p>	<p>Annual Event</p>
<p>Lakefest, hosted by the Watershed Network held in August for residents throughout the watershed. Educational activities included ground and surface models illustrated sources and movement of pollutant. A special activity for young children included stories on water. City staff had a display with photos, water quality issues for children. 170 participants.</p>	<p>Annual Event</p>
<p>Various handouts and presentations were available for Earthday, April 2006. Roughly 100 participants. Environmental and stormwater related handouts are a staple of all similarly related events.</p>	<p>Annual Program</p>
<p>City of Ithaca staff met with students to help them organize a 2006 symposium around access to clean water.</p>	<p>Complete</p>
<p><u>News Articles</u></p>	<p>Articles help to disseminate information to the public for stormwater</p>

<ul style="list-style-type: none"> • Newsletter articles on stormwater published in the quarterly newsletter by the Cayuga Lake Watershed Network. Articles covered the value of wetlands, use of zero phosphorus fertilizer, rain gardens, IDDE and the linkage between ground and surface water • TCSWCD newsletter articles April 2006 “Stormwater Sensitivities” • Ithaca Journal Articles on Pledge for Clean Water in June by Watershed Network, Porous parking lot on July by IJ staff writer. Ithaca Times feature article on flooding July • Watershed Management fact sheets including :Protecting Banks with Vegetation, Stream Management and Restoration, Watershed Management Terminology, Stormwater Runoff, and Large Woody Debris.. Ongoing distribution beginning summer 2006. • Porous Parking lot article reprinted and distributed in Cornell Local Roads Oct newsletter • EMC newsletter article on rain gardens July by Watershed Network. 	<p>and watershed awareness. Similarly based items are planned for 2007</p>
<p>Rain Garden Training by Cayuga Lake Watershed Network – Lansing, June 2006; Newfield August 2006, Cornell Garden Club February and statewide training in Oct that included some attendees from the MS4 area.</p>	<p>Hopefully An Annual Event. Total participants 55 and 3 rain gardens installed.</p>
<p>The Cayuga Lake Waterfront Plan was completed during the last reporting period and is now being implemented in stages. It is intended to increase public access to the waterfront and improve waterfront parks, improve boating facilities and operation, and encourage appropriate economic development along the lake front. The plan includes an inventory and analysis of natural resources, cultural and land resources, and key issues and opportunities; waterfront revitalization policies; proposed land and water uses (land use changes, boating regulation changes, watershed management, and waterfront project and initiatives); and local implementation issues (zoning changes, enforcement of regulations, consistency review, and implementation schedule). The Cayuga Lake Waterfront Plan is a multi-phased project slated for additional opportunities over the next several years.</p>	<p>Ongoing</p>
<p>City of Ithaca and SWCD continue to use water quality test kits in educational hands on training for schools.</p>	<p>Ongoing</p>
<p>SWCD assists agricultural operations, MS4 and contractor support with emergency spill plans and environmental management. TCSWCD will continue to operate in a guidance capacity for MS4, agricultural and contractor support.</p>	<p>Ongoing</p>
<p>The City continues to update its informational based stormwater web page. The</p>	<p>Ongoing</p>

<p>site contains both DEC and EPA information. The CLWN also has a web resource with links to important stormwater material such as pesticide/fertilizer management materials, general housekeeping, events and reports. As regulations and other pertinent information become updated, they will be made available on the web site.</p>	
<p>The City of Ithaca brings portable displays to special events. Displays include hands on GIS demonstrations, stormwater posters, and the Enviroscope model. The following organizations also have portable displays: SWCD, CLWN, TCP, WRC, CCE, IO, City of Ithaca, Fall Creek Watershed Committee, Caroline Watershed Committee, Community Science Institute, Trout Unlimited. The City will continue to educate in this manner.</p>	<p>Ongoing</p>
<p>The City funds various volunteer monitoring organizations on 6MC. Funding is also provided to support two USGS gaging stations. The City has and will continue to be committed to funding these important opportunities.</p>	<p>Ongoing. City funds approximately \$10,000 each year to support these programs.</p>
<p>City Water Plant personnel attended a week long training in Stream Bioassessment sponsored by the Hudson Basin River Watch Program. The information was reported out to local volunteer groups.</p>	<p>Complete</p>
<p>CCE composting program (encourages the use of compost in place of fertilizer). Composting will continue on an annual basis.</p>	<p>Ongoing</p>
<p>City staff attended and participated in the Interlaken Old Home Days Event. Displays on watershed management practices were available.</p>	<p>Annual Event</p>
<p>Smart Steps for Clean Water (formerly Living Wisely in Your Watershed) were distributed throughout the MS4 area. This 24 page publication focuses on stormwater including the specific concerns and what citizens can do.</p>	<p>During this reporting period 2000 have been distributed to date.</p>
<p>SWCD and City of Ithaca used “Enviroscope” models to reach over 500 young people in school classes throughout the county. Models and other hands-on training will continue annually during awareness events.</p>	<p>Ongoing</p>
<p>The “Floating Classroom” is an educational classroom for school kids on Cayuga Lake conducted on a chartered boat. The program is supported by local municipal support, IO, funding through Cayuga Nature Center, Coop Extension, Community Science Institute, Wells College, and BOCES. The classroom will continue next year.</p>	<p>Ongoing. There were approximately 1500 participants in 2006. School districts cross town boundaries. Participating districts included: Groton 80, Ithaca city school district 836, Newfield 12, Lansing 100, Ulysses 120, Dryden 100.</p>
<p></p>	<p></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></p>	<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:	

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. <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>	<p>Describe Measurable Goals and Results (when applicable) Indicate: <i>Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</i></p> <p>Assessment of Measurable Goal Compliance: The City of Ithaca is actively involved in many watershed/stormwater based groups. It funds various volunteer organizations with responsibilities including stream monitoring and maintenance. A better understanding of the watershed has been achieved and the data has been collected for use in other related studies. This information helps identify potential trouble spots which could be linked to industrial, business, and or homeowner sources.</p> <p>Annual reports have been consistently filed on-time and advanced opportunity for public notice and comment have been provided.</p> <p>The City of Ithaca feels that it has met compliance for this minimum measure and it will continue to be part of the active stewardship in the region.</p>
<p>The City has representation in various watershed based groups and is involved in stakeholder meeting including the Stormwater Coalition, IO, Fall Creek Watershed Committee, the Regional Non-Point Source group, the WRC, the Town of Caroline Watershed Committee, the Natural Areas Commission, the Grants and Lake Source Cooling Committees, etc.</p>	<p>Membership is ongoing</p>
<p>Volunteer monitoring programs are ongoing for Fall Creek, Cayuga Lake, Salmon Creek, Taughannock Creek, Six Mile Creek. The groups are supported with funds from the WRC, FL-LOWPA grants through TCSWCD, the City of Ithaca and other MS4s. Funding will continue to be provided by the City of Ithaca for these groups. Six Mile Creek (Towns of Caroline, Dryden, Ithaca, City of Ithaca)</p> <p>12 volunteers monitored microbiological and chemical parameters at 13 sites along Six Mile Creek and its tributaries on Mar. 13, Apr. 25, Jun. 27, Aug. 22, and Oct. 30, 2006. Results are available at http://www.communityscience.org/SixMile/SixMileCreek.html. Volunteers also collected and identified benthic-macro invertebrates (BMI) in Sep., 2006. Results are available from Nick Schipanski (Six Mile Creek volunteer monitor,</p>	<p>Ongoing. The City funds approximately \$10,000 each year to these groups.</p>

Tompkins County Water Resources Council member, and Community Science Institute board member) at nschipanski@hotmail.com .	
Cayuga Inlet stream cleanup "Salt Point cleanup" on the shore of Cayuga Lake on Sept 16. 5 people removed 24 bags of trash.	Ongoing. Another event may be scheduled for the same time next year.
TC has created a central hazardous waste collection depot which now hosts bi-monthly collection events.	Bi-Monthly. 2006, 800 households reportedly disposed of hazardous waste.
Adopt a Stream - Fall Creek Watershed Committee is a group of people interested in volunteer monitoring efforts and maintaining a healthy watershed. Currently the group monitors Upper and Lower Fall Creek. FCWC held a participatory stream cleanup and creek walk on in May 2006. During the 2007 reporting period, it is hoped that the FCWC will intensify its monitoring efforts to include more sediment and possibly phosphorus sampling. This data can be used for illicit discharge detection, tracking and to determine water quality for local watershed projects. Other cleanup events will be scheduled as time permits.	Ongoing. May 2007. Forty volunteers collected an estimated 800 pounds of trash.
The City of Ithaca is a member of the regional MS4 Stormwater Coalition which includes membership from all 10 Tompkins County MS4s, schools and non-traditional MS4s.	Ongoing
Watershed Protection - The Natural Areas Commission (NAC) is a delegation of dedicated volunteers interested in maintaining a healthy watershed. The NAC is recognized in the City of Ithaca ordinance.	Ongoing
The City site plan review process incorporates a system of public notices and public review periods on all site plan review projects. The City site plan review process is steadily being modified to incorporate a formal stormwater review process.	Ongoing
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>	
<i>The report was presented to the Board of Public works for review on May 9, 2007. A public notice advertisement was placed in the Ithaca Journal on May 6, 2006 (Appendix B). At the May 16, 2007 Board of Public Works meeting, the public was allowed a comment period. If any comments were received, they would have been addressed in this report. Given the fact that no statements were made, the Board passed a resolution approving the document. (Appendix C).</i>	
Permit Reference IV.C.2.e: Public presentation of; f: summary of comments received on; and g: intended response to comments on the SWMPAR.	
Summarize attendance at the public presentation of the Annual Report. Include number of attendees and who was represented: Board members and staff were in attendance at the public presentation of the Annual Report. This included; Acting Mayor Dan Cogan, Ron Chapman, Commissioner; Ray Schlather, Commissioner; Jennifer Dodson, Commissioner; Claudia Jenkins, Commissioner; Wade Wykstra, Commissioner; Bill Gray, Super of Public Works; Erik Whitney, Super DPW W&S, Scott Gibson, Environmental Engineer, DPW W&S.	

There were no public comments received by mail, e-mail, phone or at either BPW meeting.		
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.	Date of Annual Report Meeting: May 9, 2007 and May 16, 2007	Approximate Date of Meeting Next Year: May 2007
Additional Techniques	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)	
A mailing list is maintained through TCP to notify regional interested parties about stormwater happenings and events. The list includes municipal officials, key contractors, engineering groups, planners, etc. The list will continue to be provided throughout 2007.	Ongoing	
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 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>	<p>Describe Measurable Goals and Results (when applicable)</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><u>Revise as procedures are updated.</u></i> • <i>Identify personnel or outside organization conducting the activities</i> 	<p>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>Assessment of Compliance: The City of Ithaca has been consistently working to achieve compliance for this minimum measure. In the past two years, Ithaca has identified departments that are primarily responsible for this requirement. City Streets & Facilities are the front line force who ensure the integrity of the storm sewer system. They have been trained in illicit discharge detection and have developed a notification system for response elimination. They carry spill containment materials on all vehicles in the form of sorbent booms and test kits.</p> <p>City GIS has also added two staff members to help in mapping the stormwater collection system and outfalls. GIS has the necessary software, GPS field survey equipment, technology, and expertise to ensure that mapping is kept up to date. Budgeting for this goal is through the regular Streets & Facilities and GIS operating lines.</p> <p>All outfalls have been assessed, program and budgeting administration is in place, and a method for detecting IDDE has been met.</p> <p>The City will be adopting an IDDE ordinance and enforcement response plan by October 2007.</p>
<p>The City expects to adopt local laws which will help to address stormwater discharge prohibitions and enforcement. The WQIP funding obtained by the stormwater coalition will help to fund legal review and data compilation for this task.</p>	<p>A draft ready for adoption should be available by October 2007</p>
<p>The City continues to enforce the requirement that all pump testing contractors dechlorinate potable water prior to discharge. This will be incorporated in the prohibited discharge section of the new local law.</p>	<p>Ongoing</p>
<p>The City of Ithaca highway dept. continues to provide catch basin inspections and system cleaning as part of their utility maintenance program. Though the</p>	<p>Ongoing as part of the utility maintenance program</p>

<p>quantity varies from year to year, well over 1000 catch basins have been evaluated and roughly 750 were cleaned during this past reporting year.</p>	
<p>The City of Ithaca continues to utilize the sampling boat that it funded during the 2005/2006 reporting period to monitor phosphorus and suspended solids pollutant levels in Cayuga Lake. At least 4 sample collection trips were made this past year. The data helps to better understand point and non-point source pollution.</p>	<p>Ongoing</p>
<p>The City Streets and Facilities group (S&F) cleaned various catch basin grates, creek debris and sediment traps after rainfall events at Heinsy Dam, Williams Creek, Kline Creek, and Midas Muffler.</p>	<p>Ongoing as part of the utility maintenance program</p>
<p>City Water and Sewer maintains an ongoing effort to address inflow and infiltration and surcharging issues for the wastewater treatment plant. It is currently replacing roughly 2 miles of 24" trunk sewer along Aurora Street. By replacing aged sewer pipe, this reduces potential for cross contamination to the storm sewer. City W&S crews also investigate cross connection complaints to determine if broken sewer lines are intermixing with stormwater discharges. None were found during the reporting period.</p>	<p>Ongoing as part of the sewer utility improvement capital program.</p>
<p>On September 27, 2006, the City of Ithaca W&S Division responded to a reported odor complaint along the 400 block of College Avenue. This was an area that had a direct discharge of oil & grease two years prior. Streets and Facilities staff were dispatched to investigate. It was discovered that several eateries and a dairy store were illegally dumping mop waste and food related products directly into the local catch basins. The residual was making its way through the collection system to an outfall leading to Cascadilla Creek. A letter was promptly sent to the proprietors with record copies sent to Cornell University. The landlord responded on October 10 by notifying their tenants of good responsible disposal practices. There have been no additional complaints since. (Appendix D)</p>	<p>Ongoing on a case by case basis.</p>
<p>The stormwater coalition will continue to identify other detection methods and support municipal efforts. Deb Caraco from T.G. Miller Engineering has been contracted to help evaluate IDDE.</p>	<p>Under discussion</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 and planned for next year, including work on the following IDDE guidance prerequisites:</i></p> <ul style="list-style-type: none"> • field verification of outfall locations; • mapping all inter-municipal subsurface conveyances; • delineating storm sewershed; and 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities) <i>Example measurable goals: percent of outfalls mapped</i></p> <p>Completed Goals:</p> <ul style="list-style-type: none"> • Assembled GIS team of 4.

<ul style="list-style-type: none"> developing and retaining MS4 mapping as needed to find the source and identify illicit discharges. <i>State if maps are in GIS.</i> 	<ul style="list-style-type: none"> Equipment available, Trimble GPS Survey Grade 4800, Trimble Backpack Rover, ArcGIS Software Networked server for archived data Established budget through GIS to operate program Established O&M team to clean catch basins, maintain the system, and detect illicit discharges. O&M team carry sorbent booms and basic indicator tests to identify potential illicit discharges. An Outfall Map has been generated and is complete. <p>To be Completed:</p> <ul style="list-style-type: none"> Develop IDDE Ordinance and ERP
<p>The City has completed the development of its GIS system map to identify all portions of its subsurface stormwater sewershed. During the reporting period, the remaining 300 structures (catch basins and manholes) had been identified and located with GPS. During the upcoming year, crews will be focusing on quality control by validating data and resolving issues with map discrepancies.</p> <p>The City spent much of the reporting period identifying system outfalls by GPS, visual surveying and/or using available data. A canoe trip was conducted in October 2006 to locate elusive outfalls along Sixmile Creek. 438 outfalls were located and approximately 50% are private. These include roof leaders or property tile drains with direct discharge to City creeks. Those are not maintained by the City but are included in visual inspections. All outfalls have been inventoried using GIS data dictionaries. Although the field codes are patterned after the “Illicit Discharge Detection and Elimination: Technical Appendices”, additional information including invert, material type, elevation, roughness, etc are collected to aid in anticipation of future hydraulic modeling. Outfalls have been arranged in order of priority for future assessment based on physical condition, discharge type, vegetative growth, inexplicable discharge during hydraulically dry periods, etc. 8 outfalls were found to be suspect of illicit discharges by identifiers including color and foam and will continue to be monitored during this next reporting period.</p>	<p>Ongoing but complete.</p>
<p>The City of Ithaca hired another GIS technician to help in the compilation of the stormwater geodatabase and surveying. This addition completes the team. GIS Manager, 20 yrs exp; GIS Technician, 6 yrs Exp; GIS Technician, 8 yrs Exp; Database Programmer, 15 yrs Exp.</p>	<p>Ongoing</p>
<p>The City’s municipal separate storm sewer system is physically interconnected</p>	<p>Ongoing collaboration</p>

<p>with some of the Town of Ithaca and Cornell University. The Town of Ithaca is diligently working on their MS4 Stormwater Management Plan and is very active in local groups and events. Cornell University, though not a regulated entity is also very involved in maintaining close contact with MS4 regulations and requirements. There is open communication between the three entities at all times.</p>	
<p>Funding received by the stormwater collation during the 2005/2006 reporting period (approximately \$173,000) will continue to be used to extend outfall and system mapping efforts across all MS4s. Currently, the City of Ithaca will be applying for reimbursement to fund efforts in data compilation and management.</p>	<p>Ongoing</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: _____ <input checked="" type="checkbox"/> Not yet completed (proceed to next table) Plan to complete for reporting in year: ___4; <input checked="" type="checkbox"/> 5.
2) Is there an existing ordinance, local law or other regulatory mechanism? <i>See TC Annual Report</i>	<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 checked="" type="checkbox"/> No (amendments needed) <input type="checkbox"/> Yes
4) Does the existing regulatory mechanism include enforcement authorities and procedures as required by the MS4 Permit?	<input checked="" type="checkbox"/> No (amendments needed) <input type="checkbox"/> Yes
Development of Regulatory Mechanism (Local Codes)	
5) When was this work completed or planned to be completed? <i>An evaluation of City ordinances is currently being conducted. It is anticipated that the City will prepare a draft local law which will include prohibited discharges, detection, elimination, and enforcement by October 2007.</i>	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.
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? <i>The City has limited language for regulatory control. It is anticipated that the adoption of a new local law will be needed to fulfill this requirement.</i>	<input checked="" 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? <i>N/A</i>	<input type="checkbox"/> NYS IDDE Model Law in its entirety <input type="checkbox"/> Selected NYS IDDE Model Law articles adopted as amendments to existing code(s) that are equivalent to the NYS IDDE Model Law <input type="checkbox"/> Language equivalent to NYS IDDE Model Law
9) What was the date or is the planned date of local law adoption?	Date: October 2007. Due to difficulties in meeting staffing requirements dedicated for IDDE ordinance development, plans to have a draft in place by the reporting period were not fully realized. The City

	and other MS4s have been using the Stormwater Coalition as a resource to identify model ordinances that can quickly be adopted into the City law system. This will be the plan for October 2007.
10) Provide a web address if adopted local law can be found on a web site.	Web Address: N/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.

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. <ul style="list-style-type: none"> <i>Explain activities and materials used to meet this requirement this year and planned for next year</i> <i>Identify personnel or outside organization conducting activities</i> 	Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)
An IDDE Training Workshop hosted by the Stormwater Coalition is being planned for May 1, 2007.	2007.
The City of Ithaca Planning Dept. reviews erosion and sediment control and stormwater utility information in its site plan review process. In addition, both the State Design Manual and Erosion and Sediment Control document are used as technical guidance.	Ongoing
Informative EPA literature is distributed by the City at various events such as WaterWeek and other environmental awareness activities. Topics include fertilizer management, automotive fluids disposal, recycling, debris management, etc.	Ongoing at annual events.
City employees receive training on hazardous waste and chemical handling, construction practices and safety.	Training is offered annually to Streets and Facilities, Water & Sewer, Public Works, Treatment Plant, personnel.
TC holds a bi-monthly haz waste collection program and promotes service through outreach education.	Ongoing
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 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: <u>Feb. 7, 2006</u> <input type="checkbox"/> Not yet completed (proceed to next table) Plan to complete for reporting in year: <input 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 checked="" 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: <u>March 10, 2006</u> <input type="checkbox"/> Not yet completed (proceed to next table) Plan to complete work below for reporting in year: <input 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 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"> • 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	0	0	7
2	0	0	51
3, 4, 5	0	0	2
6	0	0	9
TOTAL	0	0	71

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: Gap analysis was provided in last years report.

7. What was the date or is planned date of local code adoption? Date: October 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>Permit Reference IV.C.4.b. v: Develop and implement procedures for site plan review by the MS4 that incorporate consideration of potential water quality impacts and review individual pre-construction site plans to ensure consistency with local sediment and erosion control requirements.</p> <ul style="list-style-type: none"> • Describe the procedures below. <u>Revise as procedures are updated.</u> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p> <ul style="list-style-type: none"> • Example measurable goals: number of plans received; number of plans reviewed; percent of plans received that are reviewed.
<p>The City of Ithaca Planning Dept. reviews erosion and sediment control and stormwater utility information in its site plan review process. In addition, both the State Design Manual and Erosion and Sediment Control document are used as technical guidance. EIS are also included if required.</p>	<p>Adoption of local laws should take place by October 2007. 100% of plans received are reviewed.</p>
<p>State Building Codes and County Health may have some language on this. But more work is needed, especially for education and enforcement.</p>	
<p>Permit Reference IV.C.4.b. vi: Develop and implement procedures for the receipt and consideration of information submitted by the public.</p> <ul style="list-style-type: none"> • Explain the procedures below. <u>Revise as procedures are updated.</u> • Identify the responsible personnel or outside organizations. 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>If calls are received by the Code Enforcement Officer, CEO calls DOT, DOH and engages the responsible party to regulate and monitor. CEO works with offender to remedy the situation.</p>	<p>Ongoing</p>
<p>As part of the site plan review process, the City affords the public a comment period on construction plans through board and council meetings.</p>	<p>Local laws and SOPs will be developed to address this requirement – October 2007</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>Though not yet a formal process, City W&S evaluates site conditions with regard to E&SC on all utility jobs. It is also a first responder on all stormwater complaints from private contractors.</p>	<p>Local laws will be developed by May 2007</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>April 13, 2006, the stormwater coalition sponsored a Construction Workshop to serve public officials, contractors and consultants – 37 attendees.</p>	<p>Annual Program</p>
<p>Code Enforcement Officers provide training in their daily work.</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: Planned activity on implementing a local ordinance was slowed during the reporting period due to staffing demands on other projects. Five meetings were held with representatives from Streets & Facilities, Water & Sewer, Codes, and Planning to review sections of a proposed draft ordinance. It was decided to word much of the City language after the NYSDEC model. Successive meetings were held with the Town of Ithaca to identify the regional approach on Basic and Full SWPPP threshold stringency. The City will be increasing the requirement from 1-AC/5-AC to ½-AC/2-AC respectively due to its urban setting. Additional language may be added to incorporate more stringent requirements for steep slope applications. The bulk of staff time will be spent on ordinance development during the summer of 2007, attorney review September of 2007 and adoption by October/November 2007.</p> <p>Specific budgeting has not been allocated for this minimum measure. Rather, the City will be incorporating requirements into existing budget lines.</p>	

Minimum Control Measure 5. Post-Construction Stormwater Management

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

<p>Permit Reference IV.C.5.a, c. Develop and implement a post-construction stormwater management program that addresses stormwater runoff from new development and redevelopment and will reduce the discharge of pollutants to the MEP. Program requirements should include:</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • A combination of structural and/or non-structural management practices. • <i>Identify and describe below procedures to ensure installation of post-construction management practices. <u>Revise as procedures are updated.</u></i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The City of Ithaca currently has an informal requirement to ensure the installation of structural and non-structural stormwater management practices by referencing the State Design Book and the “Blue Book.” The development of local laws during Year 5 will formalize this process.</p>	<p>Ongoing, Year 5.</p>
<p>The City of Ithaca Planning Dept. reviews erosion and sediment control in its site plan review process.</p>	<p>Ongoing, Year 5.</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 City needs to develop procedure for SWPPP review. This will be formalized in local law development during Year 5.</p>	<p>Ongoing Year 5</p>
<p>Site Plan Review Process - 1) Applicant submits application with details, plans, stormwater management, E&SC, demolition, etc. 2) Staff reviews the plans, conducts environmental review and forwards to other pertinent City departments for comment. Water & Sewer evaluates the storm systems if required. 3) Applicant presents the proposal to Planning Board subcommittee which includes Codes who alerts applicant if there are any pending issues with project. 4) Applicant then presents proposal to Planning Board for approval. Planning Board normally considers itself Lead Agency in Environmental review, conducts a public hearing on the project and makes environmental declaration. 5) Staff comments, codes committee reports and other comments received are now considered and the Planning Board presents preliminary or final site plan approval.</p>	<p>Ongoing</p>

Minimum Control Measure 5. Post-Construction Stormwater Management

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

<p>Permit Reference IV.C.5.a, c. (continued): Develop and implement a post-construction stormwater management program that addresses stormwater runoff from new development and redevelopment and will reduce the discharge of pollutants to the MEP. Program requirements should include:</p>	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • Procedures for inspection and maintenance of post-construction management practices. • <i>Explain procedures below. <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>Procedures for the inspection and maintenance of post construction management practices will need to be developed by the City through local law implementation. It is expected that this will occur during Year 5. Currently, the City Streets and Facilities group is responsible for ditch and infrastructure cleaning. In the future, inspections will be handled through the City Codes Enforcement Office.</p>	<p>Ongoing Year 5</p>
<p><u>Training and Information</u></p> <p>A construction training workshop was hosted by the Stormwater Coalition on April 13, 2006. The event was geared toward developers, construction workers; both municipal and private, and officials.</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 enforcement of post construction management practices will need to be developed by the City through local law implementation. It is expected that this will occur during Year 5. In the future, is it anticipated that enforcement will be handled through the City Codes Enforcement Office through escrow accounts, withholding of building permits, certificate of occupancy, or stop work order.</p>	<p>Ongoing Year 5</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>A program will need to be developed for enforcement and penalization of violators. This this will occur during local law development in Year 5.</p>	<p>Ongoing, Year 5</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 City continues to partner with IPM, Ithaca Science Center and the CLWN to evaluate the use of structural soils for development.</p>	<p>Ongoing</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: Planned activity on implementing a local ordinance was slowed during the reporting period due to staffing demands on other projects. Five meetings were held with representatives from Streets & Facilities, Water & Sewer, Codes, and Planning to review sections of a proposed draft ordinance. It was decided to word much of the City language after the NYSDEC model. Successive meetings were held with the Town of Ithaca to identify the regional approach on Basic and Full SWPPP threshold stringency. The City will be increasing the requirement from 1-AC/5-AC to ½-AC/2-AC respectively due to its urban setting. Additional language may be added to incorporate more stringent requirements for steep slope applications. The bulk of staff time will be spent on ordinance development during the summer of 2007, attorney review September of 2007 and adoption by October/November 2007.</p> <p>Specific budgeting has not been allocated for this minimum measure. Rather, the City will be incorporating requirements into existing budget lines.</p>	

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

OVERALL MUNICIPAL POLLUTION PREVENTION / GOOD HOUSEKEEPING PROGRAM INFORMATION

<ul style="list-style-type: none"> • This table is for MS4s to report on their OVERALL Municipal Pollution Prevention / Good Housekeeping Program. • A separate table follows that is for MS4s to report on management practices performed in identified municipal operations. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<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>Trash and debris, sediment, phosphorus, nitrogen, oils, grease, heavy metals from automotive wastes, misc. chemicals, petroleum hydrocarbons, chlorides, pesticides</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>Cayuga lake, Fall Creek, 6MC, Cascadilla Creek, Cayuga Inlet – Sediment and phosphorus and nitrogen pollution prevention program through wastewater treatment, W&S management operations, proper watershed management, volunteer sampling programs funded by the MS4, etc.</p>	<p>Ongoing</p>
<p>Water and Wastewater Treatment Plants – Chemical bulk storage, haz waste management and handling ops, spill prevention programs, dechlorination programs for large volume discharges.</p>	<p>Ongoing</p>
<p>Parks and Forestry – IPM, pervious surface development interests, pro-active environmental policies, leaf and debris pickup programs, tree maintenance and plantings, outreach programs, works closely with environmental advocates and granting agencies.</p>	<p>Ongoing</p>
<p>Streets and Facilities – Street sweeping programs, catch basin and infrastructure maintenance programs, storm sewer pump station maintenance programs, covered salt storage areas, storm sewer construction management.</p>	<p>Ongoing</p>
<p>Water & Sewer Division – Ensure that large volume potable water discharges from fire pump tests, hydrant flushes, reservoir tank discharges, etc. are dechlorinated. Ensure that construction jobs follow Phase II requirements (silt fencing, hydroseeding, good management practices for stockpiling, catch basin protection)</p>	<p>Ongoing</p>
<p>Vehicle Maintenance Operations – Proper haz and non-haz waste management and disposal programs. Spill prevention practices at the fueling station.</p>	<p>Ongoing</p>
<p> </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>The City conducts annual PESH (OSHA) confined space entry training, chemical management and spill training and working with hazardous materials.</p>	<p>Annual program every Fall all DPW employees are required to be trained.</p>
<p>Every three years, County and emergency responders have trainings on hazardous spills, disaster management, etc.</p>	<p>Every three years.</p>
<p>Streets and Facilities, Engineers, Municipal Officials, Code Enforcement, Water & Sewer, and Planners attend periodic stormwater training events when offered. The April 13, 2006 construction training event offered by the stormwater coalition saw attendance from DPW personnel. On March 27, 2007, members of Streets and Facilities and W&S personnel will attend a stormwater conference in Buffalo.</p>	<p>Training for this reporting period was completed on April 13, 2006 and during the Fall of 2006.</p> <p>Scheduled dates for next year include March 27, 2007 conference and an IDDE Workshop in May 2007. Other PESH training sessions are planned for Fall 2007.</p>
<p>It is believed that the frequency of training offered by entities like the NYSDEC, the regional stormwater coalition and in-house education satisfy the needs of this MS4. At least 4 opportunities are normally offered during the reporting period and attendance has been positive.</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>	

Municipality: City of Ithaca

Permit Number: NYR20A 283

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

<ul style="list-style-type: none"> • Copy this page and give it to each municipal office or department responsible for reporting. • Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department. • Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures. • Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed. 	
<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • <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>Street sweeping is performed on an as needed basis. Streets conditions are assessed at least annually and maintenance is performed on areas most in need of attention. The equipment is also shared in an informal inter-municipal equipment lending program for other MS4s including the TOI and TC.</p>	<p>Ongoing</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The City highway maintenance program street swept roughly 140 lane miles during the reporting period. The City downtown area is swept nightly and all other areas are swept annually in the Spring. Ultimately, this helps to reduce sediment load and contaminants from vehicular traffic from the watershed.</p>	<p>Ongoing</p>
<p>The City has a Spring and Fall leaf pickup and yard waste program. This reduces the phosphorus, nitrogen and sediment load to the storm infrastructure and receiving water bodies.</p>	<p>Ongoing</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>2 street sweepers w/one operator. Forestry crew with leaf vac truck.</p>	<p>Ongoing</p>

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

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- 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>
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| <ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> | <p>DO NOT ENTER INFORMATION IN THIS CELL</p> |
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<p>The street sweeping program adequately reduces excess buildup of solids and other contaminants from vehicular traffic on City streets.</p>	<p>Ongoing</p>
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<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>
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<p>Staff are generally trained in the annual City PESH program which covers confined space entry, general safety, traffic control, fire safety etc. Spill response training is offered on an annual basis by the local fire department. Typically, the Fire Department is the first responder to all spills in the City. No other stormwater specific training components have normally been required for the street sweeping group.</p>	<p>Ongoing</p>
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<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>
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<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>
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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: _____

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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.

- Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities.

Describe Measurable Goals and Results (when applicable)
Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)

- Briefly describe or reference any existing policies and procedures
- Briefly describe or reference any policies and procedures being developed

DO NOT ENTER INFORMATION IN THIS CELL

Winter road salt has always been kept under cover to protect the material and to reduce runoff.

Ongoing

- Briefly describe or reference any existing best management practices
- Briefly describe or reference any planned best management practices

DO NOT ENTER INFORMATION IN THIS CELL

City street sweepers, trucks, equipment and other vehicles are washed in two designated areas. A covered cold storage bay is serviced by a trench drain which is connected to an oil water separator. Grit is removed in several 1' sumps which are maintained several times a year as needed. In addition, larger vehicles are high pressure washed in a bermed area of the facility parking lot. Wash water solids settle out in the berm and are removed periodically with heavy equipment. Traditionally, soaps are not used in either operation

Ongoing

- Identify and describe the equipment and staff that are in place

DO NOT ENTER INFORMATION IN THIS CELL

6 salt spreading trucks and several pickup mounted spreaders are used from City Streets & Facilities and Water & Sewer.

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

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<p>Permit Reference IV.C.6.a, c (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>
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- *Assess if existing programs adequately reduce and/or prevent pollutant discharges*
- *Determine and list any operation type, location or facility that is in need of modification or updates.*

DO NOT ENTER INFORMATION IN THIS CELL

Covered salt storage significantly reduces localized chlorides, total dissolved solids and suspended solids contamination.

Permit Reference IV.C.6.a: If there is a training component for staff specific to these municipal operations:

- *explain the activities and materials;*
- *identify the personnel or outside organization conducting the activities.*

Describe Measurable Goals and Results (when applicable)
Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)

Staff are generally trained in the annual City PESH program which covers confined space entry, general safety, traffic control, fire safety etc. Spill response training is offered on an annual basis by the local fire department. Typically, the Fire Department is the first responder to all spills in the City. No other stormwater specific training components have normally been required for the street sweeping group.

Additional Techniques

Describe Measurable Goals and Results (when applicable)
Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)

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

Minimum Control Measure 6. Municipal Operations: ___Street and Bridge Maintenance; ___Winter Road Maintenance;
___X Stormwater System Maintenance; ___Vehicle and Fleet Maintenance; ___Park and Open Space Maintenance; ___Municipal Building Maintenance;
___Solid Waste Management; ___Other: _____

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<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 City of Ithaca Streets & Facilities Division requires that a 1' sump be provided in any catch basin installed. This helps to promote better solids retention and removal.</p>	<p>Ongoing</p>
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The City of Ithaca offers its jet-vac truck to local municipalities for use within their storm systems. This is an informal intermunicipal cooperative agreement on catch basin maintenance via vacuuming etc. providing a means for solids removal in systems contiguous to City infrastructure.</p>	<p>Ongoing</p>
<p>Streets and Facilities have a catch basin and infrastructure cleaning program to remove accumulated solids, sediment, sand, etc. from the system. The group maintains an average of 1,000 catch basins each year. Maintenance records are now being kept in a GIS geodatabase in lieu of their previously archived hand records.</p>	<p>Ongoing</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 infrastructure maintenance team is a crew of two. They use a Jet/Vac truck which includes a "Jet Rodder" attachment for all system applications.</p>	<p>Ongoing</p>

Minimum Control Measure 6. Municipal Operations: ___Street and Bridge Maintenance; ___Winter Road Maintenance;
 ___X Stormwater System Maintenance; ___Vehicle and Fleet Maintenance; ___Park and Open Space Maintenance; ___Municipal Building Maintenance;
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<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>Catch basin and system maintenance adequately reduce and/or prevent pollutant discharges by preventing excessive migration of contaminants through the system which ultimately discharge to local creeks and streams. The requirement for a 1' sump within each structure helps promote this program.</p>	
<p>Permit Reference IV.C.6.a: If there is a training component for staff specific to these municipal operations:</p> <ul style="list-style-type: none"> • <i>explain the activities and materials;</i> • <i>identify the personnel or outside organization conducting the activities.</i> 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<p>Staff attend annual training sessions, usually through the DEC or stormwater coalition. Staff attended the April 13, 2006 Construction Workshop.</p>	<p>Staff are expected to attend the March 27, 2007 Stormwater Conference in Buffalo and the May 1, 2007 IDDE training session offered by the stormwater coalition in Brooktondale.</p>
<p>Staff are trained in the field on a job specific basis.</p>	<p>Ongoing</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>
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<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> 	DO NOT ENTER INFORMATION IN THIS CELL
The City Streets and Facilities group follows all bulk storage regulations.	Ongoing
Hazardous materials management and disposal regulations are ensured.	Ongoing
<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> 	DO NOT ENTER INFORMATION IN THIS CELL
City street sweepers, trucks, equipment and other vehicles are washed in two designated areas. A covered cold storage bay is serviced by a trench drain which is connected to an oil water separator. Grit is removed in several 1’ sumps which are maintained several times a year as needed. In addition, larger vehicles are high pressure washed in a bermed area of the facility parking lot. Wash water solids settle out in the berm and are removed periodically with heavy equipment. Traditionally, soaps are not used in either operation.	Ongoing
Sorbent material (kitty litter) is kept at the vehicle fuel island for potential spills. Material is added and then swept to insure adequate removal.	Ongoing
Ditches and swales are cleaned as needed. The TCSWCD hydroseeder is available to ensure adequate growth in these areas after work is complete.	Ongoing
Hazardous materials and other wastes are stored in contained areas where they await pickup for disposal. There are no floor drains in the maintenance area.	Ongoing
Paint operations for sign and vehicle work are indoors in designated air filtered rooms.	
<ul style="list-style-type: none"> <i>Identify and describe the equipment and staff that are in place</i> 	DO NOT ENTER INFORMATION IN THIS CELL
4 Mechanics and an administrative staff. A full facility maintenance shop is used with provisions for waste storage, hydraulic lifting, cold storage, and fluids containment areas.	Ongoing

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

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| <ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> | <p>DO NOT ENTER INFORMATION IN THIS CELL</p> |
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<p>Current programs adequately reduce the potential for chemical and hazardous waste and materials spills.</p>	
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<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>
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Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:

Minimum Control Measure 6. Municipal Operations: ___Street and Bridge Maintenance; ___Winter Road Maintenance; ___Stormwater System Maintenance; ___Vehicle and Fleet Maintenance; X Park and Open Space Maintenance; ___Municipal Building Maintenance; ___Solid Waste Management; ___ Other: _____

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<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 City Forestry Group has an extensive public outreach program by giving informal guidance to residents and contractors on vegetation planting and maintenance. The Group is very ambitious in working toward maintaining open spaces and ensuring a healthy watershed.</p>	
<ul style="list-style-type: none"> • <i>Briefly describe or reference any existing best management practices</i> • <i>Briefly describe or reference any planned best management practices</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>The City provides compost to its residents to encourage recycling.</p>	<p>Ongoing</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>A full staff with tree trimming equipment including a 40' cherry picker are used to maintain City vegetation.</p>	

Minimum Control Measure 6. Municipal Operations: ___Street and Bridge Maintenance; ___Winter Road Maintenance; ___Stormwater System Maintenance; ___Vehicle and Fleet Maintenance; X Park and Open Space Maintenance; ___Municipal Building Maintenance; ___Solid Waste Management; ___ Other: _____

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<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
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<p>SWCD, Town of Ithaca, and Village of Cayuga Heights have hydroseeders which they have been sharing with other MS4s. Hydroseeding is supported by funding from the WRC and FL-LOWPA.</p>	<p>Ongoing</p>
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<p>The City Forestry Group ensures that trees are maintained or replanted on all City streets and that planting projects are in place to enhance vegetative growth. This program helps to stabilize embankments, reduce runoff, and beautify the area.</p>	<p>Ongoing</p>
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<p>Water and Sewer staff conducted a chemical bulk storage assessment of the Cass Park swimming pool chlorination facility in accordance with NYSDEC chemical bulk storage regulations. A new Spill Prevention Report was created and a list of improvements was issued to the facility supervisor. Continued monitoring and enforcement of these systems will help reduce the potential for environmental contamination during chemical transfer and day to day operations.</p>	<p>Ongoing</p>
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<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>
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<p>A pervious surface workshop was held on May 25, 2006 by the NY ReLeaf and DEC Region 7 to promote surface BMPs.</p>	
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<p>Additional Techniques</p>	<p>Describe Measurable Goals and Results (when applicable)</p>
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	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:	

Municipality: City of Ithaca

Permit Number: NYR20A 283

Minimum Control Measure 6. Municipal Operations: ___Street and Bridge Maintenance; ___Winter Road Maintenance; ___Stormwater System Maintenance; ___Vehicle and Fleet Maintenance; ___Park and Open Space Maintenance; X Municipal Building Maintenance; ___Solid Waste Management; ___ Other: _____

- Copy this page and give it to each municipal office or department responsible for reporting.
- Put an 'X' in front of each municipal operation type addressed by the Municipal Pollution Prevention/Good Housekeeping Program in that office or department.
- Refer to the Municipal Pollution Prevention / Good Housekeeping Assistance document for example best management practices, policies and procedures.
- Use separate rows to explain the different processes, activities, procedures, practices, etc. used by the MS4. Add additional rows as needed.

<p>Permit Reference IV.C.6.a, c: Develop and implement an operation and maintenance program to reduce and prevent pollutant discharges from the municipal operation(s) indicated above to the MEP.</p> <ul style="list-style-type: none"> • Describe how the bulleted items below focus on pollutants addressed by the municipal pollution prevention program and the pollution prevention priorities. 	<p>Describe Measurable Goals and Results (when applicable) Indicate: Date Completed, Ongoing Task, or Scheduled Date (for next years activities)</p>
<ul style="list-style-type: none"> • Briefly describe or reference any existing policies and procedures • Briefly describe or reference any policies and procedures being developed 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>City W&S maintains the properties at all of its utilities including the Water Plant, Wastewater Plant, Water Tanks and Pump Stations. Parks maintains all public park properties including the municipal golf course. City Forestry is working with IPM to reduce the use of pesticides and fertilizers.</p>	<p>Ongoing</p>
<p>Hazardous materials are handled and disposed of in accordance with regulation.</p>	<p>Ongoing</p>
<ul style="list-style-type: none"> • Briefly describe or reference any existing best management practices • Briefly describe or reference any planned best management practices 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>Hydroseeding and/or seed and mulch are used to restablize as needed.</p>	<p>Ongoing</p>
<p>Typically fertilizers and pesticides are not used on most City property.</p>	<p>Ongoing</p>
<ul style="list-style-type: none"> • Identify and describe the equipment and staff that are in place 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
<p>Staff and lawn equipment from W&S, S&F, IAWTF, the golf course and the water filter plant maintain City owned properties.</p>	<p>Ongoing</p>

Minimum Control Measure 6. Municipal Operations: ___Street and Bridge Maintenance; ___Winter Road Maintenance; ___Stormwater System Maintenance; ___Vehicle and Fleet Maintenance; ___Park and Open Space Maintenance; X Municipal Building Maintenance; ___Solid Waste Management; ___ Other: _____

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- 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>
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<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
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<p>Hazardous materials and wastes are managed appropriately in accordance with regulations.</p>	<p>Ongoing</p>
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<p>No fertilizers and pesticides are used on general City property. The exception is the golf course, who are working with IPM to reduce their use of these products.</p>	<p>Ongoing</p>
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<p>Hydroseeding is used when required to reduce potential sediment and surface contaminant laden runoff .</p>	<p>Ongoing</p>
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<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>
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<p>Staff are generally trained in the annual City PESH program which covers confined space entry, general safety, traffic control, fire safety etc. Spill response training is offered on an annual basis by the local fire department. Typically, the Fire Department is the first responder to all spills in the City. No other stormwater specific training components have normally been required for the street sweeping group.</p>	<p>Ongoing</p>
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<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>
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<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>
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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; X Other: Water and Wastewater Treatment

<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> 	DO NOT ENTER INFORMATION IN THIS CELL
<p>The wastewater treatment facility pretreatment program inspects industrial users to identify chemical usage habits and proper waste disposal practices. This audit includes both internal and external hazardous and chemical usage storage and handling practices.</p>	<p>Ongoing</p>
<p>The City manages a 6 NYCRR Part 595-599 Chemical Bulk Storage Program for both its water filtration and wastewater treatment facilities. The plan insures proper operation, inspection and emergency response procedures to prevent environmental spills and/or releases. Both plants have conducted required internal inspection audits.</p>	<p>Ongoing</p>
<p>The City, joint owner of the wastewater treatment facility with TOI and TOD, is currently constructing a tertiary phosphorus facility. Although this is for sanitary sewage, the plant receives a significant amount of inflow and infiltration due to aging infrastructure. The new plant will significantly reduce the point source loading of phosphorus and sediment to Cayuga Lake.</p>	<p>July 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> 	DO NOT ENTER INFORMATION IN THIS CELL
<p>CBS and PBS programs, the Water Plant ensures that potable water from large volume discharges is dechlorinated. This could include, prolonged hydrant flushing, tank emptying, etc.</p>	<p>Ongoing</p>

<ul style="list-style-type: none">• <i>Identify and describe the equipment and staff that are in place</i>	DO NOT ENTER INFORMATION IN THIS CELL
A full complement of staff from both the water and wastewater utility including support from W&S operations are available.	Ongoing

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; X Other: Water and Wastewater Treatment

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<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>
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<ul style="list-style-type: none"> • <i>Assess if existing programs adequately reduce and/or prevent pollutant discharges</i> • <i>Determine and list any operation type, location or facility that is in need of modification or updates.</i> 	<p>DO NOT ENTER INFORMATION IN THIS CELL</p>
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<p>CBS and PBS adequately prevent the potential for environmental spills, chlorine is reduced from large volume potable water discharges, etc.</p>	<p>Ongoing</p>
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<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>
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<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>
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Explain any changes or additions to the Permit Referenced Activities / Techniques, Measurable Goals and / or Scheduled Dates above and provide a reason(s) for the change:

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: Plans for permeable surface project, Gap Analysis

**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

<p>Permit Reference IV.C.4.b.i, 5.a.i: Require development and implementation of erosion and sedimentation controls through a local law or other regulatory mechanism. The MS4s have until year 5 to complete this work.</p>	
<p>1) When was this work completed or planned to be completed?</p>	<p>Date completed: _____ Not yet completed Plan to complete for reporting in year: ___4; ___5.</p>
<p>2) Indicate which of the control mechanisms or procedures below are used by the MS4 to notify staff and others doing work on behalf of the MS4 about the <u>erosion, sedimentation and stormwater management requirements</u> for projects under the MS4s jurisdiction. (These requirements are based on the Construction Permit (GP-02-01) and MS4 Permit (GP-02-02)).</p>	
<p>___ Access Permits ___ Tenant Leases ___ Requests for Proposals (RFPs) ___ Scope of Services</p>	<p>___ Consultant Agreements ___ Construction / Bid Documents ___ Other Policies / Procedures _____</p>
<p>3) All of the <u>erosion, sedimentation and stormwater management requirements</u> below must be addressed by the MS4's control mechanisms. For the control mechanisms identified in number 2 above, state in the left hand cells below the control mechanism(s) that contain the language.</p>	
Control Mechanism	Erosion, Sedimentation and Stormwater Management Requirements
	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
<p>4) If any of the requirements in number 3 are not addressed, explain how the MS4 intends to incorporate them into the control mechanisms?</p>	<p>Explanation:</p>
<p>5) Explain how the MS4 intends to enforce the requirements within their jurisdiction?</p>	<p>Explanation:</p>