

Stormwater Management Program Annual Report

Six Minimum Measures Section

March 10, 2004 – March 9, 2005

Municipality Name City of Ithaca

SPDES Number NYR20A283

Use this table to summarize your Stormwater Management Program (SWMP) Minimum Measures for Sections I through VI of the SWMPAR. We request that MS4s fill out this table electronically. The table is available in Microsoft Word and Corel WordPerfect, or you may duplicate this table manually. Send two completed **hard copies** (an original and a photocopy) of the previous MCC form, this form and the other SWMPAR reporting requirements to the DEC Central Office (MS4 Permit Coordinator, 625 Broadway, Division of Water - 4th Floor, Albany, NY 12233-3505).

Please Note: The following abbreviations were used throughout this document

SWG = Tompkins County Stormwater Working Group. A group represented by all MS4s which meets monthly to discuss and coordinate stormwater related projects.

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

MINIMUM MEASURE 1: Public Education and Outreach in Stormwater Impacts

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

There were no changes or modifications made to this minimum measure for this reporting period.

B. Implementation of Best Management Practices			C. Activities Planned for Upcoming Year
List the planned management practices and any additional ones that you worked on.	Any done in the past year?		Describe activities that are planned for this minimum measure for next year’s SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES	NO	
REQUIRED TECHNIQUES			
Plan and conduct an ongoing public education and outreach program	X		<ul style="list-style-type: none"> • SWG will coordinate distribution of outreach materials and event notifications to all MS4s.
ADDITIONAL TECHNIQUES			
Classroom education / school programs	X		<ul style="list-style-type: none"> • With additional funding, the Floating Classroom program will continue development and offer programs for additional schools and other groups. • Similar educational programs accomplished this year are expected to continue • Additional funding will be required to promote and maintain City efforts toward classroom education. Staffing and budget cutbacks have reduced the amount of time available during this reporting period. It is expected that this will continue into the next reporting period.
			<ul style="list-style-type: none"> • This broad goal encompasses the specific activities described below.
			<ul style="list-style-type: none"> • The IO is collaborating with CLWN and others to develop a Floating Classroom program for Cayuga Lake. 800-1000 young people have been out on the boat for education on water quality issues and water quality testing. • SWCD and City of Ithaca used “Enviroscope” models to reach over 500 young people in school classes throughout the county. • SWCD sponsored the annual “Envirothon” – a hands on environmental education contest for high school students. • The CLWN sponsored an essay contest for youth entitled: “The Rich History of the Cayuga Lake Watershed”

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			<ul style="list-style-type: none"> • City of Ithaca and SWCD continue to use water quality test kits in educational hands-on presentations to area schools. • Tompkins County Environmental Appreciation Days: The CLWN provided lessons on non-point-source pollution and its relationship to stormwater. SWCD provided lessons on erosion and sediment control. • 4H established a water quality monitoring club. 	
Outreach to commercial entities	X		<ul style="list-style-type: none"> • A draft of the Cayuga Lake Waterfront Plan has been completed and 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) . • SWCD assists agricultural operations with emergency spill plans and environmental management. • CCE offered a Basic Pesticide Training class with a focus on Integrated Pest Management (IPM) and environmental protection for farmers, landscapers, and municipal workers. There were 46 attendees. 	<ul style="list-style-type: none"> • TC Hazard Mitigation Plan will be finalized and implemented. The Plan addresses prevention of hazardous waste spills at commercial sites.
Webpage	X		<ul style="list-style-type: none"> • The City continues to update its informational based 	<ul style="list-style-type: none"> • SWG members will coordinate web resources to

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			stormwater web page. The 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.
Printed material	X		<ul style="list-style-type: none"> The CLWN distributed <i>Issues in the Cayuga Lake Watershed</i>, which includes information on nonpoint source pollution prevention. Several regular newsletters were distributed which included stormwater information produced by: CLWN, SWCD, EPA The City distributed EPA stormwater materials at Water Week (see events). Publication called "Landscaping for Erosion Control" was produced by CCE. A CD-Rom called "Protecting the Cayuga Lake Watershed" was completed and distributed.
Media campaign	X		<ul style="list-style-type: none"> The IO organized radio public service announcements about watershed issues. CCE did a piece on Ithaca Journal's home and garden page. Tompkins County adopted the Tompkins County Comprehensive Plan, which identifies stormwater management as a critical resource management issue with regard to the future economic and environmental health of the County. Articles relevant to stormwater management appeared in the <i>Ithaca Journal</i> on August 6, 2004 and September 6, 2004.
			ensure that visitors to MS4 websites receive good stormwater information.
			<ul style="list-style-type: none"> The CLWN is producing "Living Wisely in Your Watershed." A stormwater management article will appear in the IO Newsletter in Spring 2005.
			<ul style="list-style-type: none"> Pending funding from EPF assistance to regulated MS4's, the SWG has plans for a multi-faceted media campaign, including printed materials, utility bill stuffers, radio spots, news articles, and local television.

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Library of educational materials	X		<ul style="list-style-type: none"> • The City has amassed a library of stormwater materials that are available upon request. The engineering and planning groups maintain their own data with regard to construction related activities. Links on the web page direct users to stormwater publications through the DEC and EPA.
Events and programs	X		<ul style="list-style-type: none"> • The CLWN has organized a training on LEAPE (Locally-led Education and Action for Protecting the Environment) - an educational program for local governments interested in protecting water resources in their communities. • Safe Drinking Water Workshop for residents and septic systems (above). • Water week, held in May 2004. • Earth day, held on April 25, 2004. • SWCD sponsored Farm City Day, July 24, 2004 • SWCD sponsored Agricultural Day (Agstraviganza) at the mall on March 27, 2004. • TC Health Dept offered a Source Water Assessment Program – identifying potential sources of contamination for all drinking water systems. • Lake Fest August 2004. • CCE composting program (encourages use of compost in place of commercial fertilizer). • The SWG organized a workshop on April 15th, 2004 for local review boards, engineers, and contractors to educate on Phase II Stormwater Regulations. • The DEC sponsored a training session with the Town of Ithaca and City of Ithaca Planning Boards/Dept's on
			<ul style="list-style-type: none"> • SWG will continue to work toward improving the accessibility and awareness of library materials.
			<ul style="list-style-type: none"> • Lake friendly environmental farming, AEM signs, etc. – SWCD • TC Health Dept will continue to offer the Source Water Assessment Program. • On March 15, 2005, the SWG will sponsor an Erosion and Sediment Control Workshop for Contractors which will be presented by NYSDEC – The session will serve public officials, contractors, consultants, etc. 153 attendees are planned.

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			<p>February 24, 2005. Staff were educated on general stormwater requirements and the site plan review process.</p> <ul style="list-style-type: none"> • SWCD – Presentation about low impact development on February 14, 2005. • City of Ithaca presented data and information about its sampling efforts in Cayuga Lake to the Tompkins County Water Resources Council on July 19, 2004 • TCP has been conducting multiple community presentations on the County's Draft Comprehensive Plan which highlights stormwater related information. • Sixmile Creek Watershed resident survey – was conducted through the CLWN • SWCD's annual tire collection program collected over 8000 tires • "Gardening in the watershed" was conducted by IPM in the Summer 2004 • CCE sponsored a home and yard care workshop, August 2004 • AEM, (Agricultural Environmental Management) strategic plan completed for TC. • Community communication program "Butts Out" Anti-pollution campaign, literature, education, etc.
Displays	X		<ul style="list-style-type: none"> • 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

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			Committee, Community Science Institute, Trout Unlimited.	
Speakers to community groups	X		<ul style="list-style-type: none"> The CLWN provided speakers to Cayuga Bird Club watershed to discuss issues including phosphorus and sediment loading. The City has been active in speaking on topics of watershed awareness. Through the City's Riparian Buffer Restoration Grant's project, a regional partnership meeting was held to allow invitees a forum with which to present topics on watershed improvement in the area. The City presented on their efforts to mitigate run off and erosion at the City Silt Dam. 	<ul style="list-style-type: none"> The City will continue to provide expertise in topics concerning stormwater and watershed awareness. However, with funding and staffing cut short, the number of opportunities is expected to continue to diminish.
Other	X		<ul style="list-style-type: none"> During the 2003 reporting period, the City of Ithaca W&S Division partnered with City Urban and Community Forestry and the Ithaca Science Center to obtain funding for an educational program on structural soils and improving riparian buffer zones along Cascadilla Creek. Implementation of the demonstration project occurred during the 2004 reporting period. 	<ul style="list-style-type: none"> Integrated Pest Management Demo Project: Town of Ithaca, City of Ithaca, and Cornell University put together a proposal for a demonstration site for pesticide free plantings. The effort was not funded.

MINIMUM MEASURE 2: Public Involvement/Participation

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

Catch basin labeling did not occur in 2004 as planned. The SWG has further plans to investigate label selection, including cost during the 2005 reporting period.

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REQUIRED TECHNIQUES			
Public notice and access to documents and information	X		<ul style="list-style-type: none"> The City site plan review process will be modified to incorporate a formal stormwater review process during the 2005 reporting period.
Public presentation and comments received on SWMP and annual report	X		<ul style="list-style-type: none"> Public presentation and comments on the SWMP and annual report will be made available just prior to the report due date. Public presentation will be held at the monthly Board of Public Works meeting.
Public involvement/participation program	X		<ul style="list-style-type: none"> Due to staff and funding limitations, catch basin labeling did not occur during the 2004 reporting period as planned. The SWG has further plans to investigate catch basin labeling options in the near future. Monitoring and Planting for Buffer Restoration projects will continue. Existing volunteer monitoring efforts will continue. Continued implementation of the County’s Neighborhood Notification Law
			<ul style="list-style-type: none"> The City of Ithaca Annual Report was publicly advertised in the Ithaca Journal on May 11, 2005 (Appendix A) in anticipation of a public comment forum at the Board of Public Works meeting on May 18, 2005. Public notice and review is available for all site plan review projects.
			<ul style="list-style-type: none"> On May 18, 2005 at the regular Board of Public Works meeting, the City’s Annual Stormwater Report was presented for public comment. No comments were made on the report and a resolution was carried unanimously to approving the document for submission to the NYSDEC (Appendix A)
			<ul style="list-style-type: none"> Volunteer monitoring programs are ongoing for Fall Creek, Cayuga Lake, Taughannock Creek, Six Mile Creek. Supported with funds from the WRC, FL-LOWPA and the City of Ithaca. Sixmile Creek volunteer monitoring partnership developed between Town of Caroline, Town of Ithaca, City of Ithaca, Town of Dryden, SWCD, CCE, and Community Science Institute. Supported with funds from the WRC and FL-LOWPA and the City of Ithaca. Fall Creek Watershed Committee worked with Trout

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REQUIRED TECHNIQUES			
			<p>Unlimited and the Watershed Network to engage 38 volunteers in removing an estimated 2000 pounds of trash from Fall Creek.</p> <ul style="list-style-type: none"> • Volunteers from the Watershed Network, Town of Lansing and Wells College removed an estimated 1000 pounds of trash from the lake shoreline at Salt Point in Lansing. • Riparian Buffer Restoration: City of Ithaca, CLWN, and Town of Caroline working on grants to involve public in planting, stream surveys, monitoring, and instream sediment removal work. In November 2004, the City sponsored a volunteer planting event at the City Silt Dam. Over 50 saplings were planted to help stabilize the riparian area along Six Mile Creek. • Volunteers with the Natural Areas Commission. • Ongoing MS4 participation in the IO. • CLWN has coordinated planting of 1000 willow whips provided by DEC for stream bank erosion control. Willows were planted by volunteers along lake tributaries that ran through Caroline and Dryden (Six Mile, Fall and Yellow Barn). • Execution of the County's Neighborhood Notification Law
Contact person identified	X		<ul style="list-style-type: none"> • Scott D. Gibson, Environmental Engineer, City of Ithaca Dept. Public Works, Division of Water & Sewer
ADDITIONAL TECHNIQUES			
			<ul style="list-style-type: none"> • Volunteers with the Natural Areas Commission are working to enhance habitat and reduce sediment contributions from the Six Mile Creek Wildflower Preserve with several streambank stabilization projects slated for the summer of 2005. • Between April and November 2005, the City will coordinate the planting of nearly 2000 young trees along Six Mile Creek to reduce erosion. • 1500 willow whips will be planted on lake tributaries
			<ul style="list-style-type: none"> • The contact person for the 2005 reporting is expected to remain the same.

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REQUIRED TECHNIQUES			
Watershed Organizations and Advisory/Partnership Committees	X		<ul style="list-style-type: none"> • The City has representation in various watershed based groups and is involved in stakeholder meeting including the SWG, IO, Fall Creek Watershed Committee, the Regional Non-Point Source group, the WRC, etc. Also, the City meets with its environmental consultant, EcoLogic, the Network, TOC, monthly to discuss the management of its two riparian buffer restoration grants.
Mailing List	X		<ul style="list-style-type: none"> • Membership in each of these groups will continue throughout the 2005 reporting period.
Adopt a Stream	X		<ul style="list-style-type: none"> • 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 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.
			<ul style="list-style-type: none"> • The mailing list will continue to grow during the 2005 reporting period. • During the 2005 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 fo local watershed projects.

MINIMUM MEASURE 3: Illicit Discharge Detection and Elimination

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

It was hoped that the City would have produced a draft ordinance for required Stormwater Prohibitions and Enforcement Response by the beginning of this reporting period. Due to staff and budget constraints, the time frame for this goal has been modified to the end of 2005.

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	YES	NO	
REQUIRED ACTIVITIES			
Outfall mapping	X		<ul style="list-style-type: none"> The City will continue efforts with field verification using survey accurate GPS equipment. It is expected that 100% of the system mapping will be completed by late 2005. Efforts to continue work with the GIS Task Force will remain. Once the City has completed its own system mapping, it will be able to donate additional staff time to aid in mapping of other MS4 systems. The logistics of this activity are still undetermined.
Illicit discharges prohibited	X		<ul style="list-style-type: none"> The City continues with discussions on draft ordinances to address discharge prohibitions. It is hoped that EPF funding applied for in the 2005 reporting period will aid in supporting typical materials and review costs on local ordinance development. The total grant project budget for this effort is approximately \$30,000 in both grant money and in-kind services. Due to staffing and budget restrictions, a draft ordinance on stormwater discharges was not completed during the 2004 reporting period. Pending the anticipated EPF funding, it is expected that this will be satisfied during the 2005 reporting period. The City will continue to work on policies which will address large volume potable water discharges and dechlorination. It is hoped that this will be incorporated into a prohibited discharge ordinance by the beginning of 2006.

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	YES	NO	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
			detailed plan with which to control large volume operations. A resultant Memorandum was drafted (see Appendix B) to identify issues with chlorine and surface water discharge, and to address a future policy that will be adopted by the City.
Public, employees, businesses informed of hazards from illicit discharges	X		<ul style="list-style-type: none"> 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.
Illicit discharges identified	X		<ul style="list-style-type: none"> Ongoing highway dept. catch basin inspections. The City Streets & Facilities (S&F) crew have inspected/maintained over 1000 catch basins during the reporting period. 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. Efforts to address I and I and surcharging issues for the City wastewater treatment plant collection system is ongoing. On April 22, 2004, the City of Ithaca W&S Division followed up on a stormwater complaint regarding the South Meadow Sq. Development by Benderson Development. It was discovered that the contractor had several issues with its SWPPP including: inattention to silt fencing maintenance and poor stabilization practices at the construction site entrance. A notice (Appendix C), was sent to the contractor that day and a followup site visit was conducted one week later.
			<ul style="list-style-type: none"> Public outreach materials will continue to be developed and distributed through the existing communication structure available. CLWN (newsletters, articles, websites, trainings, etc.)
			<ul style="list-style-type: none"> The City will continue to investigate and pursue stormwater complaints as they are registered. S&F and W&S will continue to evaluate and maintain the stormwater collection system. SWG will continue to identify other detection methods and support municipal efforts. Continued monitoring of the designated I and I locations will extend into the 2005 reporting period. The Intermunicipal Sewer Agreement will enable new sewer hook-ups and phosphorous reduction.

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	YES	NO	
			<ul style="list-style-type: none"> On October 4, 2004, the City of Ithaca received a phone call from Cornell University with complaints of a strong odor emanating from an outfall off of College Avenue. Upon investigation, a grease slick was apparent in the outfall and gorge leading to Fall Creek. The odor was traced to the College Ave. Pizzeria at 401 College Avenue. Two 55 gallon grease drums were discovered behind the establishment and it appeared that they were being periodically dumped into the local catch basin. The City phoned the local DEC Code Enforcement Officer. On October 5, 2004, the City enacted a cleaning program through the Div. of W&S and S&F to remove much of the grease accumulation in the storm system. On October 7, an environmental clean-up contractor was called to conduct the rest of the cleanup activity around the restaurant and in the gorge. All costs for the operation were transferred to the Pizzeria owner. (See Appendix D) City W&S crews investigate cross connection complaints to determine if broken sanitary sewer lines are intermixing with stormwater discharges. One incident was reported in 2004. A broken clay tile sewer line was found to be leaking in a local storm system. The line was subsequently repaired.

MINIMUM MEASURE 4: Construction Site Stormwater Runoff Control

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

It was hoped that the City would have produced a draft ordinance for Construction Site Stormwater Runoff Control by the beginning of this reporting period. Due to staff and budget constraints, the time frame for this goal has been modified to the end of 2005.

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	YES	NO	
REQUIREMENTS			
Require erosion and sedimentation controls through an ordinance or other regulatory mechanism	X		<ul style="list-style-type: none"> With input from the “Watershed Local Laws Project”, the SWG will continue to provide guidance to relate suggested language and make recommendations to MS4s. Plans to formalize the site plan review process with regard to E&SC are still being discussed.
Provide opportunity for public comment on construction plans	X		<ul style="list-style-type: none"> Work on the development of specific stormwater public comment periods will continue in upcoming years.
Require construction site plan review	X		<ul style="list-style-type: none"> The SWG is organizing a workshop on March 15, 2005 for local review boards, municipal officials, engineers and contractors. Over 150 have already registered. It is hoped that the SWG can coordinate efforts to create a “how to” guide for incoming contractors looking to develop in the region.
			<ul style="list-style-type: none"> The City of Ithaca Planning Dept. reviews erosion and sediment control in its site plan review process. The City is currently reviewing a local law model created and distributed by TC.
			<ul style="list-style-type: none"> As part of the site plan review process, the City affords the public a comment period on construction plans through board and council meetings
			<ul style="list-style-type: none"> The City has a site plan review process that includes stormwater utility evaluations. On February 24, 2005, Deb Caraco from the DEC held a stormwater training session with the TOI and City which was geared towards the planning role and site plan review process. Planning Board members and Code Enforcement Officers were in attendance. The City has always referenced the DEC Stormwater Management Design Manual and the DEC Specifications for E&SC in its site plan review process.

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Require overall construction site waste management	X		<ul style="list-style-type: none"> The City maintains public job sites in good condition by insuring that debris is cleaned up during the operation and that a general "clean" site is maintained to insure that there is a good public image.
Site inspection and enforcement	X		<ul style="list-style-type: none"> 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 for private contractors.
Education and training of construction site operators	X		<ul style="list-style-type: none"> On February 24, 2005, Deb Caraco from the DEC held a stormwater training session geared towards the planning role and site plan review. Code Enforcement Officers provide training in their daily work. Two City staffers received CPESQ training in May 2004. SWCD newsletters provide essential training information.
ADDITIONAL PRACTICES			

MINIMUM MEASURE 5: Post-Construction Stormwater Management

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

It was hoped that the City would have produced a draft ordinance for Post-Construction Stormwater Management by the beginning of this reporting period. Due to staff and budget constraints, the time frame for this goal has been modified to the end of 2005.

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	YES	NO	
REQUIREMENTS			
Assess existing conditions throughout the MS4 and identify appropriate management practices to reduce pollutant discharge to the maximum extent practicable	X		<ul style="list-style-type: none"> • The City riparian buffer restoration work will continue throughout the remainder of 2005. Two more tree planting events will be held as well as a road improvement project to reduce surface runoff and an instream phase to mitigate sediment loading throughout the silt pond. • Volunteer monitoring programs will continue in the watershed. • SWCD will continue to provide technical assistance and interpretation of practices and standards. • CLWN organizes monitoring conferences to facilitate coordination of efforts across the Cayuga Lake Watershed. • The City will continue its involvement in various grants, monitoring, and planting projects as they become available.
			<ul style="list-style-type: none"> • TCP has organized a watershed assessment for Fall Creek, Cayuga Inlet, and Salmon Creek which takes a close look at sediment and phosphorus issues. • Several volunteer monitoring programs are in place on Six Mile Creek, Fall Creek and Taughannock Creek. USGS gauging stations sponsored by the City of Ithaca and the Town of Caroline also monitor sediment loads on Sixmile Creek. • The City of Ithaca is still participating in a riparian buffer restoration project to restore areas at the City Silt Dam. This effort has promoted partnerships with the likes of CLWN, TC, TOC, SWCD, and USGS. A tree planting event was conducted in November 2004 • The City continues its partnership with the USGS, SWCD and TC on a phosphorus and sediment load monitoring program of Cayuga Lake. Funding is through the EPA. SWCD recently donated additional funding to insure the project’s continued success (see Appendix E) • The City partnered with the IO in a letter of support on a grant proposal for “Addressing Water Quality and Habitat Restoration Goals of the Cayuga Lake

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			<p>Watershed Restoration and Protection Plan.” The effort was made to unite municipalities for funding to assess the condition of failing septic systems along the lakeshore and tributary streams</p> <ul style="list-style-type: none"> • SWCD provides technical assistance and interpretation of practices and standards • City sponsored volunteer monitoring helps to evaluate water quality along Six Mile Creek. • TC has a hydroseeder which is offered to the regional MS4s. The City will use this on its Riparian Buffer Restoration work. • City S&F maintains the City's roadways by streetsweeping and insuring that construction related debris is controlled.
Regulate post-construction runoff from development through an ordinance or other regulatory mechanism	X		<ul style="list-style-type: none"> • TCP has developed a model ordinance for review and implementation by MS4s. • A draft ordinance is still being discussed between City W&S, S&F and Engineering/Planning.
Develop management practice inspection and maintenance program	X		<ul style="list-style-type: none"> • The City is still discussing on how best to incorporate this into ordinance language
ADDITIONAL PRACTICES			

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List the planned management practices and any additional ones that you worked on.	Any done in the past year?		Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES	NO	
Reduce Impervious Surfaces	X		<ul style="list-style-type: none"> There will be continued support for the structural soils evaluation throughout the next reporting period.
			<ul style="list-style-type: none"> The 2003 partnership between City W&S, IPM, City Forestry, Ithaca Science Center and the Network formed to evaluate the use of structural soils initiated the pilot project during the reporting period..

MINIMUM MEASURE 6: Pollution Prevention/Good Housekeeping

A. If Needed, Provide Additional Notes to Explain and/or Describe Changes to this Minimum Measure in Your SWMP:

B. Implementation of Best Management Practices			C. Activities Planned for Upcoming Year
List the planned management practices and any additional ones that you worked on.	Any done in the past year?		Describe activities that are planned for this minimum measure for next year’s SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES	NO	
REQUIREMENTS			
Prevent discharge of pollutants from municipal operations	X		<ul style="list-style-type: none"> • The IO is looking to receive grants to address streambank erosion and road management in several municipalities. The project includes production of educational materials and outreach. • The all hazard mitigation plan will be finalized. • MS4s will continue to formalize equipment sharing agreement. • Leaf collection program modifications for outreach and general housekeeping and will continue. • The riparian buffer restoration projects will be completed in December 2005. • The Phosphorus Treatment Plant Expansion Project will be completed in December 2005. • All regulatory programs and operational practices within the City will continue indefinitely.

B. Implementation of Best Management Practices			C. Activities Planned for Upcoming Year
List the planned management practices and any additional ones that you worked on.	Any done in the past year?		If YES, describe the measurable goals that were achieved and other accomplishments.
	YES	NO	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
			<p>Approximately 140 lane miles were swept during the reporting period and over 1000 catch basins inspected.</p> <ul style="list-style-type: none"> • Two riparian buffer restoration grants are being managed by City W&S. They focus on land management practice improvements and E&SC control to mitigate sediment problems at the CitySilt Dam. • The joint owners of the wastewater treatment facility including the City, TOI and TOD, are currently constructing a tertiary phosphorus facility. Although this is for sanitary sewage, the plant will significantly reduce the point source loading of phosphorus and sediment to Cayuga Lake. • The City held several meetings to discuss the fate of a leaf collection and mulching program. Although in its infancy, the goal is to promote residential drop off and recycling. • The City purchased and used several dechlorination implements for daily operations in large volume potable flushing events such as reservoir tank draining, hydrant flushing, pump testing, etc. • The wastewater treatment facility pretreatment program inspects industrial users to identify chemical usage habits and proper waste disposal practices.
Follow DEC NPS management Practices catalog, or equivalent	X		<ul style="list-style-type: none"> • The City insures that all BMPs (Best Management Practices) are followed in its SWMP.
Conduct employee	X		<ul style="list-style-type: none"> • The City conducts annual PESH (OSHA) confined space
			<ul style="list-style-type: none"> • The City will continue to insure that its SWMP implements with BMPs to the MEP (Maximum Extent Practicable). • Training will continue indefinitely.

B. Implementation of Best Management Practices			C. Activities Planned for Upcoming Year
List the planned management practices and any additional ones that you worked on.	Any done in the past year?		Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES	NO	
pollution prevention training			<p>entry, chemical management, spill prevention and working with hazardous materials training.</p> <ul style="list-style-type: none"> • Every three years, County and emergency responders have trainings on hazardous spills, disaster management, etc.
ADDITIONAL PRACTICES			

PARTS VII

The following section summarizes the monitoring and/or modeling efforts necessary to sufficiently assess the program's goal of reducing the discharge of pollutants to the MEP.

1. The USGS currently has two City funded stream gaging stations located at German Cross Road and at Brooktondale along Six Mile Creek. The stations collect continuous stream flow and sediment measurements which are used to evaluate the water quality in the area.
2. In the City Riparian Buffer Restoration program, four synoptic surveys of Six Mile Creek were conducted during high flow storm events in 2004. The USGS gaging stations were used to help collect the necessary data. Flow, total suspended solids and phosphorus measures were taken at each event at nine sites. The results of these surveys are included in Appendix F. The information was used to identify problem areas due to surface runoff and erosion along the stream corridor. The data also showed that the City Silt Dam is not providing loading removal efficiency due to the fact that the silt pond is in need of dredging maintenance, further supporting the need for the land management practice phase of the project.
3. The City is involved in a Cayuga Lake monitoring project for phosphorus and sediment through a grant provided by the EPA. The data is available upon request.
4. As a result of a recent local partnership meeting concerning work done on Six Mile Creek, a small group of scientists, planners and environmental consultants are working on a Six Mile Creek Watershed Management Strategy. Its purpose is to identify a forum with which to discuss regional management strategy for existing water quality data.

PARTS VIII – LIST ANY FUNDING OR GRANTS THE MUNICIPALITY RECEIVED FROM NYSDEC.

The following section identifies any funding or grants received from the **NYSDEC**.

- While several federal grants were received during the reporting period for various monitoring and/or environmental related projects, there were no funds received from the NYSDEC.

APPENDICES

APPENDIX A

ANNUAL REPORT PUBLIC COMMENTS

APPENDIX B

MEMORANDUM ON DECHLORINATION

APPENDIX C

**ENFORCEMENT RESPONSE LETTER – BENDERSON
DEVLEOPMENT**

APPENDIX D

**ILLCIT DISCHARGE DETECTION AND ELIMINATION –
COLLEGE AVE PIZZERIA EVENT LOG**

APPENDIX E

**LETTER OF APPRECIATION – FINANCIAL SUPPORT FOR
MONITORING STUDY**

APPENDIX F

SYNOPTIC SURVEY REPORT – SIX MILE CREEK

APPENDIX G

MUNICIPAL PARTNERSHIP RESOLUTION