



City of Madison

NPDES Phase II Storm Water Pollution Prevention Plan

December 31, 2003 To March 31, 2008

This program consists of the following 12 Minimum Control Measure(s).

1. Public Education and Outreach
2. Public Participation/Involvement
3. Illicit Discharge Detection Elimination Program and Raingarden Monitoring Results
4. Construction Site Pollution Control
5. Post-Construction Site Storm Water Management
6. Municipal Pollution Prevention
7. Assessment of Controls
8. STORMWATER UTILITY BUDGETS
9. PRIOR ANNUAL REPORTS
10. MADISON PUBLICLY OWNED AND MAINTAINED STORMED FACILITIES
11. MAPPING DATA
12. CLEAN LAKES AND BEACHES PLAN

1 Public Education and Outreach

Responsible Staff / Position

Administrator
608.266.4751

Description

Each co-permittee shall:

- (a) Fulfill its commitments of the Intergovernmental Agreement to Create and Fund a Position Responsible for Storm Water Management Education and Outreach (herein known as the education and outreach agreement and included as Appendix B), including its financial support as described in Schedule B of the education and outreach agreement.
- (b) Participate in the implementation of the Joint Storm Water Permit Group Information and Education Plan (January 2003) prepared on behalf of the co-permittees (herein known as the information and education plan). By December 1 of each year, the co-permittees shall collectively develop a work plan to guide implementation of the information and education plan for the following calendar year.
- (c) Cooperate with and assist the person functioning in the education and outreach coordinator position created pursuant to the education and outreach agreement by providing pertinent information requested by the coordinator to facilitate implementation of the information and education plan.
- (d) Within its jurisdiction, make a reasonable effort to distribute and make available to the public the education and outreach information and materials created pursuant to the information and education plan.
- (e) Provide and maintain a link to storm water information if a municipal website has been developed and activated by the co-permittee.

Best Management Practices

1.1 Storm Water Management Education and Outreach Position

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Fulfill commitments of the Intergovernmental Agreement to Create and Fund a Position Responsible for Storm Water Management Education and Outreach (herein known as the education and outreach agreement and included as Appendix B of the permit), including its financial support as described in Schedule B of the education and outreach agreement.

Goals

1.1.1 Annual Financial Support

Description

Provide annual financial support for the education and outreach position, as described in Schedule B of the education and outreach agreement. This has been amended to include increases due to salary and fringe benefit increases that accrue with new Dane County Contracts.

THE CITY OF MADISON HAS PROVIDED ITS PORTION OF FUNDING FOR THE JOINT I&E POSTION WITH THE COUNTY ACTING AS THE BANK FOR THE I&E POSTION

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
01/01/2005	Joint I&E agreement / payments	<p>THE I&E AGREEMENT AND PAYMENTS ARE ATTACHED AS WELL AS THE RESOLUTION AUTHORIZING THE CITY TO PROVIDED FUNDING FOR I&E AND MONITORING.</p> <p style="margin-left: 40px;">File Attachment <u>STORM WATER INTERGOV AGREEMENT IE FINAL 22 pages.DOC</u></p> <p style="margin-left: 40px;">File Attachment <u>SCHEDULE B1.doc</u></p> <p style="margin-left: 40px;">File Attachment <u>epa_resolution.pdf</u></p>
03/31/2008	2007 AGREEMENT TO PAY INCREASED COSTS	<p style="margin-left: 40px;">File Attachment <u>MAMSWaP_IE.doc</u></p>

1.2 Joint Storm Water Permit Group Information and Education Plan

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Participate in the implementation of the Joint Storm Water Permit Group Information and Education Plan (January 2003) prepared on behalf of the co-permittees (herein known as the information and education plan). By December 1 of each year, the co-permittees shall collectively develop a work plan to guide implementation of the information and education plan for the following calendar year.

THE CITY OF MADISON HAS A STAFF MEMBER ON THE I&E COMMITTEE.

Annual Reporting Items

AN ANNUAL WORK PLAN IS ATTACHED AND IS THE REQUIRED ANNUAL REPORTING ITEM - THIS IS LED BY THE COUNTY.

Goals

1.2.1 Develop Annual Work Plan

Description

By December 1 of each year, collectively develop a work plan in association with other co-permittees to guide implementation of the information and education plan for the following calendar year. Work plan is completed on behalf of all permittees by Dane County as directed by the Information and Education sub-committee.

THE ANNUAL WORK PLAN, THE MAIN I&E PLAN, THE MEDIA CAMPAIGN, AND A COPY OF THE SURVEY RESULTS ARE ATTACHED.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
01/01/2005	COPY OF PERMIT GROUP SURVEY RESULTS	A COPY OF THE MAMSWP SURVEY RESULT IS ATTACHED. File Attachment nr216_survey_final.pdf			
01/01/2005	JOINT STORMWATER I&E PLAN	THE ORIGINAL I&E PLAN IS ATTACHED File Attachment jointstormwaterpermit.pdf			
01/01/2006	MEDIA CAMPAIGN INFORMATION	INFORMATION ON THE MEDIA CAMPAIGN IS ATTACHED. File Attachment media_campaign.pdf			
01/01/2006	COPY OF ANNUAL WORK PLAN	ANNUAL WORK PLANS ARE ATTACHED File Attachment 04 workplan.doc File Attachment 05 workplan.doc File Attachment 06 workplan.doc			

1.3 Facilitate Information and Education Plan

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Cooperate with and assist the person functioning in the education and outreach coordinator position created pursuant to the education and outreach agreement by providing pertinent information requested by the coordinator to facilitate implementation of the information and education plan.

THE CITY OF MADISON HAS STAFF ON THE I&E COMMITTEE AND WORKS WITH THE GROUP TOWARDS OUR JOINT GOALS.

Goals

1.3.1 Track and Record Information Requested from City of Madison

Description

Track and record information requested from and provided to the education and outreach coordinator.

When a request is recieved for information or for an action to be taken by the City of Madison on behalf of the I&E Team a copy of that request and the action taken shall be appended to this tab.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
04/01/2005	Distribution of Materials	<p>In the recent past, the City of Madison has provided SLAMM results to the Water Resource Management Students at the UW working on both the Wingra Watershed and the Starkweather Creek project. A sample of these SLAMM summary files are attached (full files are available upon request).</p> <p>We would expect to continue to provide this information as needed in the future although the files shall be updated to reflect the City's new SLAMM runs to document 20% and 40% TSS reduction in compliance with NR-151.</p> <p style="text-align: right;">File Attachment <u>MO01.CSV</u> File Attachment <u>WI05.CSV</u> File Attachment <u>ST17.CSV</u></p>

1.4 Distribute Public Information Education & Outreach Materials and Document City

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Within its jurisdiction, make a reasonable effort to distribute and make available to the public the education and outreach information and materials created pursuant to the information and education plan.

Annual Reporting Items

The City of Madison does not provide a newsletter to residents. Therefore we do not have a means to provide information to residents in a mass mailing. It has been suggested that enclosing an informational form in residents Utility Bills would be a suitable means to provide this information. However, most marketing firms will agree that information provided in bills is tossed with little or no review by the recipient, and as the cost to add information to our utility bill mailings is significant this proposal has been deemed a poor method to provide this information.

As an alternative, the City has been providing information to all neighborhood associations for inclusion in their quarterly letters to their members. A copy of the email and information sent is attached in the "TRACK AND RECORD MATERIALS" sub-tab that follows.

Goals

1.4.1 Track and Record Materials & Donations

Description

Track and record the education and outreach materials produced and distributed. The City of Madison provides I&E information to neighborhood groups for inclusion in their newsletters, and includes this information on our website. As we do not have a municipal letter, there is no better means to provide that information to our residents.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
01/01/2007	INFORMATION & DONATIONS TO GROUPS 2006 AND BEFORE	COPIES OF THE ARTICLES & DONATIONS (CITY CONTRIBUTIONS) SENT TO NEIGHBORHOOD ASSOCIATIONS ARE ATTACHED.
		File Attachment <u>Stormwater Quality information article.doc</u>
		File Attachment <u>media camp for munis.doc</u>
		File Attachment <u>CITY_DONATION_4PLANTING.doc</u>
03/31/2008	2007 DONATIONS TO GROUPS	
		File Attachment <u>DONATIONS_07.doc</u>
03/31/2008	2007 INFORMATION DISTRIBUTION	

1.4.2 Link Co-Permitte Websites

Description

Provide and maintain a link to storm water information if a municipal website has been developed and activated by the co-permittee.

The City of Madison has created a website that includes links to many stormwater management websites and a copy of our permit. The website follows: <http://www.cityofmadison.com/engineering/environmental.htm>

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name		Description		
01/01/2006	WEBSITE ADDRESS		http://www.cityofmadison.com/engineering/stormwater/permit.htm		

1.5 CITY LED INFORMATION AND EDUCATION EFFORTS

Responsible Staff / Position

Administrator
608.266.4751

Required: No

Description

THE CITY OF MADISON UNDERTAKES MANY EDUCATIONAL EFFORTS SEPARATE FROM THOSE OF THE LARGER GROUP.

THESE EFFORTS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

- 1) CITY STAFF SPEAK AT PUBLIC AND NEIGHBORHOOD MEETINGS
- 2) CITY STAFF PARTICIPATE AT PUBLIC EDUCATIONAL EVENTS (PLANTINGS AND RESTORATION EFFORTS OF PARKS AND OTHER PUBLIC PROPERTY).
- 3) CITY STAFF PROVIDE INFORMATION UPON REQUEST TO STUDENTS.

Goals

1.5.1 2006 I&E EFFORTS

Description

THIS ITEM WILL CONSIST OF A LIST OF CITY LED EFFORTS REGARDING I&E TAKEN UP DURING THE 2006 CALENDAR YEAR.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
06/01/2006	2006 RAIN GARDEN PLANTING	IN 2006 THE CITY PLANTED THE ADAMS STREET RAIN GARDENS - THIS WAS DONE AS A PUBLIC EFFORT AND WAS ADVERTISED IN MULTIPLE MEDIA LOCATIONS TO GET VOLUNTEERS OUT TO THE PROJECT. File Attachment ADAMS_PLANTING_I&E.doc
06/30/2006	STREET SWEEPER SCHOOL	BASED ON REQUESTS FROM THE DEPARTMENT AND BASED ON VISUAL REPORTS OF CITIZENS AND STAFF - THE STREETS SUPERINTENDENT HAS WORKED TO CREATE A STREET SWEEPER SCHOOL WITH THE MANUFACTURE PROVIDING TRAINING ON HOW TO USE THE EQUIPMENT PROPERLY. File Attachment SWEEPER SCHOOL.doc
03/31/2007	2006 MAP OF RAINGARDENS IN MADISON	File Attachment 2006_RAINGARDEN_MAP.pdf

1.5.2 2007 I&E EFFORTS

Description

DOCUMENT EFFORTS IN 07

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
12/31/2007	SPEAKING ENGAGEMENTS	<p>TIM AND JEFF SPOKE TO A SCHOOL GROUP (DOCUMENTATION ATTACHED AS IE_1 & IE_2.</p> <p>GREG FRIES PRESENTED TO THE FOX/WOLF WATERSHED GROUP ON OUR NEW EROSION CONTROL TRACKING SYSTEM. (DOCUMENTED POWER POINT IS ATTACHED).</p> <p>File Attachment <u>FOX_WOLF_07.ppt</u></p> <p>File Attachment <u>IE_1.pdf</u></p> <p>File Attachment <u>iE_2.pdf</u></p>			
12/31/2007	2007 MAP OF RAINGARDENS IN MADISON	<p>File Attachment <u>raingarden_07_map.pdf</u></p> <p>File Attachment <u>2006_RAINGARDEN_MAP.pdf</u></p>			
12/31/2007	2007 RAINGARDEN PLANTING	<p>ONE PLANTING WAS LED BY CITY ENGINEERING STAFF THIS PAST YEAR - AS PART OF THE WINGRA CREEK RESTORATION PROJECT. THIS PLANTING WAS DONE AT WINGRA STREET AND BELD STREET.</p> <p>File Attachment <u>City_led_plantings_07.doc</u></p>			
12/31/2007	SALT APPLICATION TRAINING	<p>File Attachment <u>SnowMaintBrochure.pdf</u></p> <p>File Attachment <u>DraftReport12-06-06.pdf</u></p> <p>File Attachment <u>parkinglotmanual-june06.pdf</u></p> <p>File Attachment <u>TrainingSummary.doc</u></p> <p>File Attachment <u>SnowMaintBrochure2.pdf</u></p> <p>File Attachment <u>References.pdf</u></p> <p>File Attachment <u>GreenTier_SaltApp.doc</u></p> <p>File Attachment <u>WinterSaltAppTrainingSummary.doc</u></p> <p>File Attachment <u>SignIn_WinterMaintTraining_Madison.pdf</u></p>			

2 Public Participation/Involvement

Responsible Staff / Position

Administrator
608.266.4751

Description

Each co-permittee shall notify the public in its respective jurisdiction of activities required by this permit and shall encourage involvement and participation by the public regarding these activities. At a minimum, information in the annual report required under Part I, Section G. of this permit shall be an agenda item for discussion before the appropriate governing board or council of each co-permittee contemporaneous with the submittal of the annual report to the Department of Natural Resources. Each co-permittee shall properly notice meetings and honor requests for information in accordance with applicable state and federal law. To the maximum extent practicable, each co-permittee shall accommodate requests by the public for involvement and participation in activities required by this permit.

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The City has several possible avenues of involvement with regard to the issues included within this permit. While there are only two public hearings on this permit specifically (before the Board of Public Works and Common Council as part of the approval of the annual report) there are multiple Commissions that address the issues that come up in this

report. These include the Commission on the Environment (Mike Dailey, Greg Fries, and Genesis Bichanich are staff to this Commission), the Board of Public Works (Larry Nelson is the executive secretary of this Board), Solid Waste Advisory Board and the Parks Commission.

Of the Commissions/Boards listed, The Commission on the Environment is the forum that is most well suited to these issues, and over the course of the past several years has spent significant time discussing and working on stormwater/lake water quality.

Best Management Practices

2.1 Governing Board/City Council Meeting

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Make the annual report an agenda item for discussion before the appropriate governing board or council contemporaneous with the submittal of the annual report to the Department of Natural Resources.

THE ANNUAL REPORT IS APPROVED BY THE BOARD OF PUBLIC WORKS AND THE COMMON COUNCIL.

Goals

2.1.1 Submit Annual Report as Agenda Item

Description

Make the annual report an agenda item for discussion before the appropriate governing board or council contemporaneous with the submittal of the annual report to the Department of Natural Resources.

The annual report is an agenda item before the Commission on the Environment, Board of Public Works and Common Council. Each of these groups takes up the item at a publicly noticed meeting where the public is free to attend and provide comment.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
04/05/2006	RESOLUTION APPROVING THE 2005/2006 ANNUAL REPORT File Attachment	A COPY OF THE RESOLUTION APPROVING THE ANNUAL REPORT IS ATTACHED. <u>resolution_of_approval.doc</u>			
03/31/2007	RESOLUTION APPROVING THE 2006/2007 ANNUAL REPORT File Attachment	Attached is a copy of resolution for Board of Public Works and Common Council approval. <u>2007_EPA_RESO_APPROVAL.doc</u>			

2.1.2 Track and Record Information & Education Requests

Description

Each co-permittee shall properly notice meetings and honor requests for information in accordance with applicable state and federal law.

The City of Madison's stormwater permit is an agenda item for the Commission on the Environment, Board of Public Works and Common Council. Each of these agencies holds at least one public meeting per year where this issue is discussed (usually as part of the annual report). All meetings for each of these groups is publicly noticed in accord with state law.

If a formal request for information is received by City of Madison Engineering (or any other department)

that request is handled in accord with the applicable federal/state laws (which are posted at the entrance to City Engineering).

However it is much more likely that an informal request for information will be taken by engineering staff, from other groups such as the Friends of Lake Wingra, Starkweather, Arboretum or from students working on a project from the Institute for environmental studies. In these cases, engineering staff works very seriously to provide information beyond the requirements of the Freedom of Information Act.

In 2005, Engineering staff has worked extensively with Ken Potters students from the Institue for Environmental Studies as they completed their work on the Starkweather Creek evaluation and management plan. Additionally, the City has worked with MG&E and the UW on locating an infiltration system in the Odana Hills Golf course. Lastly, several City staff are on the Chancelors Arboretum task-force to look at stormwater issues for the Arboretum and how to best manage that system.

Each of the above work groups has requested significant information from the City, beyound what was already available. We have honored those requests and provided that information in a timely manner.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2005	City Policy Paper on Public Participation	ATTACHED IS A POSITION PAPER BY THE CITY OF MADISON ON PUBLIC PARTICIPATION IN THE GOVERNANCE PROCESS.
	File Attachment	<u><i>PUBLIC PARTICIPATION IN THE CITY OF MADISON.doc</i></u>

2.2 COMMISSION ON THE ENVIRONMENT

Responsible Staff / Position

Administrator
608.266.4751

Required: No

Description

THE COMMISSION ON THE ENVIRONMENT IS THE GOVERNMENTAL BODY THAT HAS THE MOST DIRECT INVOLVEMENT IN ENVIRONMENTAL ISSUES IN THE CITY OF MADISON.

Annual Reporting Items

MEETING MINUTES SHALL BE ATTACHED

Goals

2.2.1 MEETING MINUTES FROM THE COMMISSION ON THE ENVIRONMENT

Description

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2006	2005 COMMISSION ON THE ENVIRONMENT MEETING MINUTES	MONTHLY MINUTES FOR THE COMMISSION ARE ATTACHED (STARTING WITH YEAR 2005).
	File Attachment	<u>2374_M_COMMISSION_ON_THE_ENVIRONMENT_05-11-14_Meeting_Minutes.pdf</u>
	File Attachment	<u>2488_M_COMMISSION_ON_THE_ENVIRONMENT_05-12-12_Meeting_Minutes.pdf</u>
	File Attachment	<u>2046_M_COMMISSION_ON_THE_ENVIRONMENT_05-08-15_Meeting_Minutes.pdf</u>
	File Attachment	<u>2118_M_COMMISSION_ON_THE_ENVIRONMENT_05-09-19_Meeting_Minutes.pdf</u>
	File Attachment	<u>2252_M_COMMISSION_ON_THE_ENVIRONMENT_05-10-17_Meeting_Minutes.pdf</u>
	File Attachment	<u>1492_M_COMMISSION_ON_THE_ENVIRONMENT_05-04-18_Proceedings.pdf</u>
	File Attachment	<u>1680_M_COMMISSION_ON_THE_ENVIRONMENT_05-05-16_Meeting_Minutes.pdf</u>
	File Attachment	<u>1840_M_COMMISSION_ON_THE_ENVIRONMENT_05-06-20_Meeting_Minutes.pdf</u>
	File Attachment	<u>1173_M_COMMISSION_ON_THE_ENVIRONMENT_05-02-21_Proceedings.pdf</u>
	File Attachment	<u>1392_M_COMMISSION_ON_THE_ENVIRONMENT_05-03-21_Meeting_Minutes.pdf</u>
03/31/2007	2006 COMMISSION ON THE ENVIRONMENT MEETING MINUTES	Attached are the meeting minutes from the COE for the reporting year of 2006.
	File Attachment	<u>COEFebruary2006.pdf</u>

- File Attachment [COEJuly2006.pdf](#)
 - File Attachment [COEJanuary2006.pdf](#)
 - File Attachment [COEDecember2006.pdf](#)
 - File Attachment [COENovember2006.pdf](#)
 - File Attachment [COEMarch2006.pdf](#)
 - File Attachment [COEMay2006.pdf](#)
 - File Attachment [COESeptember2006.pdf](#)
 - File Attachment [COEOctober2006.pdf](#)
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12/31/2007 2007 COMMISSION ON THE
ENVRIONMENT MEETING
MINUTES

- File Attachment [Minutes19-Nov-2007.pdf](#)
 - File Attachment [Minutes121707.pdf](#)
 - File Attachment [Meeting Minutes8-21-2007.doc](#)
 - File Attachment [Minutes8-20-2007.doc](#)
 - File Attachment [Agenda10-15-2007.pdf](#)
 - File Attachment [COE Minutes 52107.doc](#)
 - File Attachment [COEMinutes61807.doc](#)
 - File Attachment [Agenda7-16-2007.pdf](#)
 - File Attachment [COEMinutes_21907draft.doc](#)
 - File Attachment [COE MINUTES 31907.doc](#)
 - File Attachment [COE MINUTES 41607.doc](#)
 - File Attachment [COE MINUTES12207draft.doc](#)
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2.3 SOLID WASTE WATER QUALITY STAFF MEETING MINUTES

Responsible Staff / Position

Stormwater Management Specialist
(608) 266-4059

Required: No

Description

Monthly staff from Mayor's office, Engineering, Water Utility, Streets Department, Health and City Attorney's office - meet to discuss current topics as they relate to solid waste and water quality issues.

Annual Reporting Items

Meeting Minutes

Goals

2.3.1 MEETING MINUTES

Description

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date

Name

Description

03/31/2006

2005 MEETING MINUTES

File Attachment [June 1 2005 Minutes.DOC](#)
 File Attachment [10_05_05Minutes.DOC](#)
 File Attachment [12_07_05Minutes.DOC](#)
 File Attachment [2_2_05_minutes.DOC](#)
 File Attachment [MARCH 2 2005 Minutes.DOC](#)
 File Attachment [April 6 2005 Minutes.DOC](#)

03/31/2007

2006 MEETING MINUTES

File Attachment [120606_minutes.DOC](#)
 File Attachment [DraftLeafOrdinance.pdf](#)
 File Attachment [70506_minutes.DOC](#)
 File Attachment [80206_minutes.DOC](#)
 File Attachment [100406_minutes_amend.DOC](#)
 File Attachment [20106_minutes.DOC](#)
 File Attachment [30106_minutes.DOC](#)
 File Attachment [40506_minutes.DOC](#)

03/31/2008

2007 MEETING MINUTES

File Attachment [WinterSaltAppTrainingSummary.doc](#)
 File Attachment [100307_minutes.DOC](#)

File Attachment [110707_minutes.DOC](#)
File Attachment [Grass Clippings on Pavement Memo.doc](#)
File Attachment [060607_MINUTES.DOC](#)
File Attachment [071107_MINUTES.DOC](#)
File Attachment [080107_minutes.DOC](#)
File Attachment [040407_MINUTES.DOC](#)
File Attachment [050207_MINUTES.DOC](#)
File Attachment [030707_MINUTES.DOC](#)
File Attachment [010307_MINUTES.DOC](#)
File Attachment [020707_MINUTES.DOC](#)

3 Illicit Discharge Detection Elimination Program and Raingarden Monitoring Results

Responsible Staff / Position

Administrator
608.266.4751

Description

In consultation with the Department of Natural Resources, each co-permittee shall develop and implement a program to detect and remove illicit discharges and improper disposal of wastes into its respective MS4, or require the discharger to obtain a separate WPDES permit. Co-permittees with similar MS4s may jointly develop a program suited to their particular circumstances. For the purposes of this section, the following non-storm water discharges or flows are not considered illicit discharges unless identified by either a co-permittee or the Department of Natural Resources as a significant source of pollutants to waters of the State: Landscape irrigation, diverted stream flows, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, lawn and garden watering, individual residential car washing, non-commercial charity car washing, flows from riparian habitats and wetlands, fire fighting, and other discharges covered by a WPDES permit issued by the Department of Natural Resources and in compliance with that permit. Other occasional or incidental non-storm water discharges may be considered not illicit discharges on a case-by-case basis and with the concurrence of the Department of Natural Resources. Each co-permittee shall:

- (a) Exercise the adequate legal authority to prevent, detect, and eliminate illicit discharges.
- (b) Develop and implement a strategy to prevent, detect, and eliminate all types of illicit discharges in accordance with this section.
- (c) Document activities undertaken to meet the requirements of this section, including methodologies used; date, time, and place of activities; personnel involved; observations; corrective actions; and any enforcement actions.
- (d) Establish priorities and conduct on-going field screening activities in areas or locations of the MS4 identified as having the highest potential for being sources of illicit discharges.
- (e) Investigate portions of the MS4 that, based on the results of field screening or other information, indicate a reasonable potential for containing illicit discharges or other sources of non-storm water. Procedures may include sampling for the field screening parameters, testing with fluorometric dyes or conducting inspections of the MS4 where safety and other considerations allow. The Department of Natural Resources shall be given advance notice of the time and location of dye testing within an MS4.
- (f) Prevent, contain and respond to reports of spills that may discharge into the MS4.

(g) Immediately notify the Department of Natural Resources in accordance with ch. NR 706, Wis. Adm. Code, in the event that the co-permittee identifies a spill or release of a hazardous substance, which results in the discharge of pollutants into waters of the state. The Department of Natural Resources shall be notified via the 24-hour toll-free spill hotline at 1-800-943-0003.

(h) Eliminate any detected leakage from sanitary conveyance systems to the MS4.

(i) Eliminate illicit connections or discharges to the MS4 following detection. The elimination of an illicit connection or discharge shall be done as soon as possible upon identification of the responsible party. Prior to elimination of an illicit connection or discharge, the co-permittee shall require the party responsible for the illicit connection or discharge to take all reasonable measures to minimize the discharge of pollutants to the MS4 and waters of the state.

(j) Promote reporting by the public of the presence of illicit discharges or water quality impacts associated with illicit discharges from the MS4. This may include storm water inlet stenciling, neighborhood watches, and/or a local hotline to report illegal dumping or discharges.

(k) Consult with the Department of Natural Resources as necessary to resolve instances of potential illicit discharge.

Best Management Practices

3.1 Maintain and Improve Existing Illicit Discharge Detection and Elimination Program

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

The City of Madison currently operates a permitted discharge permit process for non-storm discharges to the City's MS4. Further, an initial screening of all major outfalls from the City of Madison MS4 was completed as part of WPDES Permit No. WI-S058416-1.

The City of Madison shall continue to implement its existing program to detect and remove illicit discharges and improper disposal of wastes into the City's MS4, or require the discharger to obtain a separate City or WPDES permit depending on the nature of the discharge.

Goals

3.1.1 Maintain Existing Program

Description

In accord with our the schedule of compliance, the City of Madison is not required to create a new illicit discharge detection plan. Rather we are required to continue our existing stormwater illicit discharge and permitted stormwater discharge program.

This program is led by our the City Health Department, and permits allowable discharges to the City stormwater system. These discharges are tested (at a minimum annually) to verify that they are suitable for discharge to the storm sewer system.

Health also leads the investigation into complaints/notices of suspected illicit discharges to the City's storm sewer system. A report of all investigations is maintained throughout the year and is submitted to the Department as part of the annual report.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
03/31/2006	ORDINANCE REGULATING NON-STORM DISCHARGES	A COPY OF ORDINANCES REGULATING NON-STORM SEWER DISCHARGES TO THE STORM SEWER SYSTEM IS ATTACHED.			
	File Attachment	NONSTORM_DISCHARGE_REGS.doc			

3.1.2 Annual Program Review/Report

Description

Review the illicit discharge detection and elimination program annually. Revise the program accordingly.

A report of all investigations of illicit discharges to the storm sewer system is maintained by the City Health Department and submitted to the WDNR as part of the annual WPDES report.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
None		

3.1.3 Track and Record Illicit Discharges and Field Screening

Description

Investigate portions of the MS4 that based on the results of field screening/complaints/or other information, indicate a reasonable potential for containing illicit discharge or other sources of non-storm water. Procedures may include sampling for field screening, testing with dyes, or visual inspections of the MS4. The WDNR shall be given advance notice of the time and location of dye testing within the MS4.

The City of Madison, Health Department coordinates investigation of illicit discharges (and permitted discharges) to the storm sewer system. These investigations are coordinated with City Engineering. A report of these activities is submitted to the WDNR as part of the City's WPDES annual report.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
03/31/2005	2004 HEALTH DEPARTMENT ANNUAL REPORT	ILICIT DISCHARGE REPORT FOR 2004 IS ATTACHED			
		File Attachment health_ann_rept.doc			
03/01/2006	2005 HEALTH DEPARTMENT ANNUAL REPORT	REPORT IS ATTACHED			
		File Attachment 2005 EPU Summary1.doc			
03/31/2006	2006 LETTER TO CARPET CLEANERS	A COPY OF LETTERS TO CARPET CLEANERS (WHICH IS ANNUALLY SENT OUT BY OUR HEALTH DEPARTMENT) IS ATTACHED. THIS LETTER REMINDS CLEANERS OF THEIR RESPONSIBILITY REGARDING DISPOSAL OF CLEANING WATER.			
		File Attachment CarpetData06.doc			
		File Attachment carpet letter020806.doc			
03/31/2007	2006 HEALTH DEPARTMENT ANNUAL REPORT	Copy of the annual report on illicit discharges are attached.			
		File Attachment 2006 EPU Summary.doc			
03/31/2007	2007 LETTER TO CARPET CLEANERS				
		File Attachment 2007 carpet cleaner letter.doc			
		File Attachment 2007 CARPET LETTER.xls			
03/31/2007	2007 NO PHOSPHORUS LETTER TO FERTILIZER RETAILERS				
		File Attachment Fertilizer Retailers.xls			
		File Attachment Phos letter 2007.doc			
03/31/2008	2008 CARPET CLEANER LETTER				
		File Attachment 2008 carpet cleaner letter.doc			

03/31/2008	2008 FERTILZER LETTER TO RETAILERS	File Attachment	<u>Phos letter 2008.doc</u>
03/31/2008	2007 ILLICIT DISCHARGE SUMMARY REPORT	File Attachment	<u>2007 Engineering Summary.doc</u>
03/31/2008	2008 LETTER TO STEAM / PRESSURE WASHERS	File Attachment	<u>STEAM PRESSURE WASHERS08.doc</u>

3.1.4 Illicit Discharge Response Management

Description

Prevent, contain and respond to reports of spills that may discharge into the MS4.

Immediately notify the Department of Natural Resources in accordance with ch. NR 706, Wis. Adm. Code, in the event that the co-permittee identifies a spill or release of a hazardous substance, which results in the discharge of pollutants into waters of the state. The Department of Natural Resources shall be notified via the 24-hour toll-free spill hotline at 1-800-943-0003.

Eliminate any detected leakage from sanitary conveyance systems to the MS4.

Eliminate illicit connections or discharges to the MS4 following detection. The elimination of an illicit connection or discharge shall be done as soon as possible upon identification of the responsible party. Prior to elimination of an illicit connection or discharge, the co-permittee shall require the party responsible for the illicit connection or discharge to take all reasonable measures to minimize the discharge of pollutants to the MS4 and waters of the state.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2006	2005 - Track & Record Incidents	<p>Record all incidents of spills or other illicit discharge releases reported within the MS4. Document actions taken to eliminate illicit discharges or connections.</p> <p>The City of Madison in cooperation with Dane County operates a HAZMAT team and can/does respond to spillis or orther illicit discharges. Spills are reported to the WDNR, illicit discharges that City staff are aware of are acted upon and reported to the WDNR as part of our WPDES annual report. This report indicates the final resolution of the issue, if complete.</p> <p>Health Eeapartment annual reports are attached.</p> <p>File Attachment <u>health_ann_rept.doc</u> File Attachment <u>2005 EPU Summary1.doc</u></p>
03/31/2007	2006 - Track & Record Incidents	<p>copy of annual report on these investigations is attached</p> <p>File Attachment <u>2006 EPU Summary.doc</u></p>

03/31/2008

2007 - TRACK & RECORD
INCIDENTS

File Attachment [2007 Engineering Summary.doc](#)

3.2 Storm Sewer System Map

Responsible Staff / Position

Stormwater Management Specialist
(608) 266-4059

Required: Yes

Description

The City of Madison shall maintain the common storm sewer system map for the entire group permit area. Each co-permittee is responsible for providing annual updates to the City of Madison for updating the storm sewer system map for inclusion in the annual report as outlined in Part I, Section G. The storm sewer system map shall contain the following components:

- (a) Delineation and identification of storm water drainage basins including watersheds, sub-watersheds, and sewersheds using the naming conventions developed by the City of Madison.
- (b) Locations of major structural controls including retention, detention, and infiltration facilities.
- (c) Locations of publicly owned parks, recreational areas, and other open lands such as environmental corridors and conservancies.
- (d) Municipal boundaries for all co-permittees.
- (e) Central Urban Service Area boundaries.
- (f) Geographic features including streets, highways, railroads, airports, and water features.
- (g) Township and Range System.
- (h) Ten foot contours intervals.

Goals

3.2.1 Update Storm Sewer Outfall Maps

Description

Annually update and maintain documentation of all storm sewer outfalls from MS4 to waters of the state. The documentation of outfalls shall be in the form of storm water conveyance and drainage maps showing all outfalls and pipe sizes. These maps need not be submitted with the annual report but shall be kept on file and provided to the Department of Natural Resources at no charge upon request.

THE CITY OF MADISON MAINTAINS A WATERSHED MAP FOR THE MAMSWP GROUP. THIS MAP IS ATTACHED BELOW AND IS UPDATED ANNUALLY.

FURTHER, THE CITY OF MADISON MAINTAINS A DETAILED MAPPING SYSTEM OF THE STORM SEWER WITHIN ITS JURISDICTION. COPIES OF THIS INFORMATION ARE AVAILABLE UPON REQUEST.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
03/31/2007	2006 MAPPING UPDATES	PDF COPIES OF THE MAPS ARE ATTACHED			
		File Attachment	<u>0810+.pdf</u>		
		File Attachment	<u>0910.pdf</u>		
		File Attachment	<u>MapLayout.pdf</u>		
		File Attachment	<u>0709.pdf</u>		
		File Attachment	<u>0710+.pdf</u>		
		File Attachment	<u>0809.pdf</u>		
		File Attachment	<u>0608.pdf</u>		
		File Attachment	<u>0609.pdf</u>		
		File Attachment	<u>0708.pdf</u>		
03/31/2008	2007 MAPPING UPDATES	File Attachment	<u>raingarden_07_map.pdf</u>		
03/31/2008	2007 MAPPING OF RAINGARDENS IN MADISON	File Attachment	<u>raingarden_07_map.pdf</u>		

3.2.2 Collect Co-Permittee Maps

Description

Each co-permittee is responsible for providing annual updates to the City of Madison for updating the storm sewer system map for inclusion in the annual report as outlined in Part I, Section G of the permit.

Co-permittee maps are included in the PDF files provided under UPDATE STORM SEWER OUTFALL MAPS

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
None					

3.2.3 Annual Storm Sewer System Map

Description

The City of Madison shall maintain the common storm sewer system map for the entire co-permittee group permit area. The annually updated storm sewer system map shall be submitted to the Department of Natural Resources with the annual report as outlined in Part I, Section G of the permit. Any apportioning of the funds needed to manage and update the storm sewer system map may be negotiated between the City of Madison and the co-permittees.

IN GENERAL THE MAPPING THAT THE CITY OF MADISON MAINTAINS FOR THE GROUP IS PROVIDED UNDER "UPDATE STORM SEWER OUTFALL MAPS" THE STORM SYSTEM MAP IS THE PIPE RECORDS FOR EACH MUNICIPALITY THAT THEY ARE REQUIRED TO MAINTAIN AND PROVIDE TO THE WDNR UPON REQUEST

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
None		

3.3 Legal Opinion/Deficiencies

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Exercise and enforce its legal authority to control discharges to and from those portions of the MS4 that it owns or operates. This legal authority may be a statute, ordinance, permit, order or intermunicipal agreement, a series of contracts, or administrative rule. In accordance with Part I, Section H. of the permit, each co-permittee, except as specified for the University of Wisconsin – Madison under Part I, Section I. (19) of the permit, shall submit a legal opinion to the Department of Natural Resources certifying that it has exercised adequate legal authority or describing any deficiencies it has in exercising adequate legal authority to:

- (a) Control the contribution of pollutants to and the discharge of pollutants from the MS4.
- (b) Prohibit illicit discharges to the MS4.
- (c) Control the discharge of spills, dumping and disposal of materials other than storm water into the MS4.
- (d) Require compliance with conditions in ordinances, permits, contracts, orders or administrative rules.
- (e) Require compliance with the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code, or equivalent local standards.
- (f) Require compliance with the standards of ss. NR 151.12 and 151.24, Wis. Adm. Code, or equivalent local standards.
- (g) Carry out all inspections, surveillance and monitoring procedures necessary to determine compliance with permit conditions including the prohibition of illicit discharges to the MS4.

Goals

3.3.1 Submit Legal Opinion to DNR

Description

Submit a legal opinion to the Department of Natural Resources certifying that the City of Madison has exercised adequate legal authority or describing any deficiencies the City has in exercising adequate legal authority to implement statutes, ordinances, permits, orders or intermunicipal agreements, a series of contracts, or administrative rules pertaining to illicit discharge detection and elimination.

In accord with our schedule of compliance, the City of Madison submitted a legal opinion stating that we believe we have the required legal authority to operate our sewer system in accord with the WDNR permit, on October 1, 2004.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
10/01/2004	LEGAL OPINION	ATTACHED IS THE REQUIRED LEGAL OPINION
	File Attachment	<u>WPDES LEGAL Opinion 2004.2.doc</u>

3.3 Storm Water Monitoring Program

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Each co-permittee shall fulfill its commitments of the Intergovernmental Agreement to Fund a Joint Storm Water Monitoring Program through the Scientific Evaluation of Rain Gardens (known as the monitoring agreement) including its financial support as described in Schedule B of the monitoring agreement.

Annual Reporting Items

Updates on the progress of the study shall be provided as applicable. This may not be on an annual basis as the USGS (partner in the study) does not generally provide interim full reports but will provide information when available.

Goals

3.3.1 Annual Financial Contribution

Description

20.00% Contribution/Year = \$14,536.00

The City of Madison acts as the bank for this function and fronts all costs for the study, sending out bills to the other 18 municipalities in the MASWAP group on an annual basis. 2006 bills will be the third (3rd) in a 5 year cycle.

In January 2006 the third in a series of five (5) bills will have been sent to municipalities, even though this is only the beginning of the third permit year.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
01/01/2005	MONITORING AGREEMENT	A COPY OF THE MONITORING AGREEMENT AND FEE SCHEDULE IS ATTACHED.
	File Attachment	<u>monitoringagreement01_3_03.doc</u>
	File Attachment	<u>SCHEDULE B.doc</u>

3.3 Legal Opinion/Deficiencies

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Exercise and enforce its legal authority to control discharges to and from those portions of the MS4 that it owns or operates. This legal authority may be a statute, ordinance, permit, order or intermunicipal agreement, a series of contracts, or administrative rule. In accordance with Part I, Section H. of the permit, each co-permittee, except as specified for the University of Wisconsin – Madison under Part I, Section I. (19) of the permit, shall submit a legal opinion to the Department of Natural Resources certifying that it has exercised adequate legal authority or describing any deficiencies it has in exercising adequate legal authority to:

- (a) Control the contribution of pollutants to and the discharge of pollutants from the MS4.
- (b) Prohibit illicit discharges to the MS4.
- (c) Control the discharge of spills, dumping and disposal of materials other than storm water into the MS4.
- (d) Require compliance with conditions in ordinances, permits, contracts, orders or administrative rules.
- (e) Require compliance with the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code, or equivalent local standards.
- (f) Require compliance with the standards of ss. NR 151.12 and 151.24, Wis. Adm. Code, or equivalent local standards.
- (g) Carry out all inspections, surveillance and monitoring procedures necessary to determine compliance with permit conditions including the prohibition of illicit discharges to the MS4.

Goals

3.3.2 Rectify Deficiencies

Description

Rectify deficiencies identified by Legal Opinion.

The City of Madison has not been made aware that the WDNR has noted any deficiencies in our Legal Opinion.

As a result of this, no work has been done or is expected to be completed on this issue unless requested by the WDNR.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
<hr/>		
None		
<hr/>		

3.3 Storm Water Monitoring Program

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Each co-permittee shall fulfill its commitments of the Intergovernmental Agreement to Fund a Joint Storm Water Monitoring Program through the Scientific Evaluation of Rain Gardens (known as the monitoring agreement) including its financial support as described in Schedule B of the monitoring agreement.

Annual Reporting Items

Updates on the progress of the study shall be provided as applicable. This may not be on an annual basis as the USGS (partner in the study) does not generally provide interim full reports but will provide information when available.

Goals

3.3.2 Disseminate Monitoring Results

Description

Within its jurisdiction, each co-permittee shall make a reasonable effort to distribute and make available to the public information and materials relating to the activities undertaken pursuant to the monitoring agreement and the results of the monitoring program.

The City of Madison, had dedicated a website to keeping citizens informed on the raingarden project. Further, we have worked with the USGS to present this information at both an APWA and NALMS conference. The website for the raingarden study is below:
<http://www.cityofmadison.com/engineering/stormwater/raingardenstudy.htm>

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
03/31/2005	1ST REPORT ON STUDY AND ACCESS	A SUMMARY OF THE RAINGARDEN RESULTS TO DATE IS ATTACHED AS IS A LINK TO THE LIVE WEBSITE MAINTAINED BY THE USGS.			
		File Attachment	<u>year1_raingarden_summary.doc</u>		
		File Attachment	<u>Rain garden sites on the USGS website.doc</u>		
03/31/2006	REPORT TO APWA ON RAINGARDEN STUDY - POWERPOINT	POWERPOINT PRESENTATION BY USGS IS ATTACHED.			
		File Attachment	<u>raingard_APWA2005.ppt</u>		
03/31/2007	2007 PRESENTATION ON RESULTS TO DATE	FILE ATTACHMENT			
		File Attachment	<u>raingarden_2007.pdf</u>		

3.3.3 Submit Rain Garden Study Methodologies and Procedures

Description

By May 6, 2004, submit to the Department of Natural Resources and other co-permittees a detailed description of the methodologies and procedures to be used for the rain garden study performed pursuant to the monitoring agreement.

A detailed report on the means and methods being used as well as a progress report were submitted to the group by the May 6, 2004 deadline.

Although not required, City Engineering fully expects to provide further updates on the study as new information is available.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name		Description		
01/01/2004	INITIAL STUDY PROPOSAL		A COPY OF THE INITIAL MONITORING PROPOSAL BY THE USGS IS ATTACHED.		
			File Attachment	<u>proposal_021126.doc</u>	
			File Attachment	<u>Summary 041112.doc</u>	

3.3.4 Rain Garden Study

Description

Represent the co-permittees in the rain garden study performed pursuant to the monitoring agreement and the monitoring requirements under Part I, Section E of the permit, provide updates on the study at the quarterly meetings, and provide information on implementation and results of the study for the annual report.

The City of Madison, shall continue to operate as the liaison between the MAMSWP group and the USGS with regard to updates on the study.

As has been discussed at the quarterly meetings, it is likely that as this study program moves towards completion. The USGS/WDNR/MAMSWP group will discuss options on how to spend the approximately \$30,000 that is scheduled to remain. Several options have been discussed, including reducing the size of the gardens to see how small the can be made and still function adequately, and constructing a "native" garden in the location of the turf gardens to see if the results are repeatable.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name		Description		
01/01/2006	PROPOSAL FOR USE OF REMAINING FUNDS		A COPY OF A PROPOSAL FOR USE OF THE REMAINING MONITORING FUNDS IS ATTACHED.		
			File Attachment	<u>proposed_rg_add.xls</u>	
03/31/2008	FINAL PHASE II STUDY PROPOSAL				
			File Attachment	<u>Madison Rain Garden Phase II proposal - FINAL.doc</u>	

03/31/2008

2006 USGS INTERIUM REPORT

File Attachment [2006_RAINGARDEN_REPORT.pdf](#)

3.5 Joint Effort with WisDOT on Pollution Control

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

With the concurrence of the Wisconsin Department of Transportation, enter into discussions on the development of an intergovernmental agreement to control the contribution of pollutants between the co-permittee's MS4 and that of the Department of Transportation. If the Department of Transportation agrees, the initiation of discussions shall occur by October 1, 2004. Only a co-permittee with a physically interconnected MS4 with that of the Department of Transportation need consider entering into the agreement. All affected co-permittees shall make every attempt to enter into this agreement jointly with other affected co-permittees and by March 31, 2005. A copy of any signed intergovernmental agreement shall be submitted to the Department of Natural Resources within 30 days of its signing by all parties. In addition to other provisions agreed upon by the co-permittee and the Department of Transportation, the co-permittee shall consider the following items in the agreement:

- (a) Cooperation on detecting and eliminating illicit discharges between the co-permittee's MS4 and that of the Department of Transportation.
- (b) Notification and communication procedures for resolving illicit discharges and the discharge of pollutants between MS4s.
- (c) Provisions for the sampling of pollutants, if deemed necessary, being discharged between MS4s.
- (d) Frequency of joint meetings, if deemed necessary, to discuss the provisions and procedures contained in the agreement.

Goals

3.5.1 Initiate Discussions with WisDOT

Description

Initiation of discussions with WisDOT shall occur by October 1, 2004.

No discussions have taken place with the WDOT to this point. As discussed at the quarterly meetings of the MAMSWP group these discussions were to be led by the WDNR.

The WDNR has not informed the MAMSWP group of any movement on this issue to date. No further work is anticipated by the City on this task unless the WDNR indicates the WDOT has indicated its willingness to proceed.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name		Description		
None					

3.5.2 Enter into WisDOT Agreement

Description

Enter into this agreement with WisDOT jointly with other affected co-permittees by March 31, 2005. A copy of any signed intergovernmental agreement shall be submitted to the Department of Natural Resources within 30 days of its signing by all parties.

Negotiations on this issue were to be led by WDNR staff. WDNR staff has not indicated to the MAMSWP group that any progress has been made towards an agreement with the WDOT on this matter.

The City of Madison will work with the WDNR and WDOT to enter into an agreement regarding stormwater discharges between municipalities in the MAMSWP group and the WDOT should it become reasonably possible to do so.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name		Description		
07/15/2004	Discussions on WDOT agreement		File Attachment <u>WDOT_EMAIL.pdf</u>		

4 Construction Site Pollution Control

Responsible Staff / Position

Administrator
608.266.4751

Description

Except as specified for the University of Wisconsin - Madison under Part I, Section I. (19), each co-permittee shall develop, implement, and enforce a program to require the implementation and maintenance of erosion and sediment control best management practices to reduce pollutants in storm water runoff from construction sites. The program shall apply to construction site activities undertaken by the co-permittee and those of other landowners. The program shall include the following minimum requirements:

- (a) The exercise of legal authority to implement and enforce the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code, or equivalent local standards.
- (b) Notification by the co-permittee to landowners who apply for local construction or land disturbance permits of the possible applicability of subch. III of ch. NR 216, Wis. Adm. Code, Construction Site Storm Water Discharge Permits, to the landowner's construction projects.
- (c) Procedures for site planning which incorporate timely consideration of potential water quality impacts from construction sites and that ensure implementation of the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code, or equivalent local standards.
- (d) Requirements for erosion and sediment control best management practices that meet or exceed the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code, or equivalent local standards.
- (e) Procedures for inspecting construction sites and enforcing erosion control standards.
- (f) Documentation of any enforcement actions.
- (g) Designation of a qualified professional with responsibility to ensure implementation of the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code, and the requirements of subch. III of NR 216, Wis. Adm. Code, Construction Site Storm Water Discharge Permits, where applicable.

Best Management Practices

4.1 Construction Site Pollution Control Program

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Develop, implement, and enforce a construction site pollution control program.

The City of Madison has adopted a version of the Dane County Erosion Control and Stormwater Management Ordinance. This ordinance dictates specific methods for determining acceptable erosion off of a property during construction.

City Engineering dedicates two (2) staff positions approximately 1/2 time to erosion control and stormwater management.

It is our intent going into 2006/2007 to implement a web based inspection system that would allow our inspectors (and require permittees) to post their inspections to a web site that will be available on line. For City Inspectors this will be a real time system and will allow inspections to be uploaded to the database from the field.

Annual Reporting Items

Reporting items include permits issued, citations issued, notices sent, and copies of inspection reports.

Goals

4.1.4 Continued Implementation of Existing Program

Description

Implement construction site pollution control program. Include the designation of a qualified professional with responsibility to ensure implementation of the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code, and the requirements of subch. III of NR 216, Wis. Adm. Code, Construction Site Storm Water Discharge Permits, where applicable.

The City's erosion control program is an on-going program and no significant changes were made for 2005.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
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None

4.1.5 Annual Program Review

Description

Review the construction site pollution control program annually. Revise the program accordingly.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
03/31/2004	2004 EROSION CONTROL REPORTS BI & ENGINEERING	ATTACHED ARE THE ANNUAL REPORTS FROM CITY ENGINEERING AND BUILDING INSPECTION DOCUMENTING OUR EFFORTS REGARDING EROSION CONTROL IN 2004.			
		File Attachment <u>buildinginspect.doc</u>			
		File Attachment <u>erosion_cont.doc</u>			
03/31/2006	2005 EROSION CONTROL REPORTS BI & ENGINEERING	ATTACHED ARE REPORTS FROM CITY ENGINEERING AND BUILDING INSPECTION INDICATING OUR EFFORTS REGARDING EROSION CONTROL IN 2005.			
		File Attachment <u>Building_ins_05_numbers.doc</u>			
		File Attachment <u>Engineering_05_EC_summary.doc</u>			
04/14/2006	2006 ENGINEERING REMINDER NOTICE (WEST)	COPY OF REMINDER NOTICE SENT TO ALL WEST PERMIT HOLDERS WHO HAD AN EROSION CONTROL PERMIT OUT THROUGH THE WINTER.			
		File Attachment <u>EC Reminder Notice 2006.pdf</u>			
03/31/2007	2006 EROSION CONTROL REPORTS BI & ENGINEERING				
		File Attachment <u>2006 - BUILDING INSPECTION REPORT.doc</u>			
		File Attachment <u>2006 City Engineering- Erosion Control.doc</u>			
03/31/2007	2007 ENGINEERING REMINDER NOTICE (WEST)				
		File Attachment <u>2007 Reminder Letter.doc</u>			
		File Attachment <u>Reminder List.doc</u>			
		File Attachment <u>TimsLabels2007.xls</u>			
03/31/2008	2007 EROSION CONTROL REPORTS BI & ENGINEERING				
		File Attachment <u>ENGINEERING_07_SUMMARY.doc</u>			
		File Attachment <u>2007 BUILDING INSPECTION SUMMARY.doc</u>			
		File Attachment <u>2007_BI_SUMMARY_CLAIR.doc</u>			
03/31/2008	2007 ENGINEERING EAST OFFICIAL NOTICES				
		File Attachment <u>Milwaukee St 6809 letter.doc</u>			
		File Attachment <u>Milwaukee St, 6809.xls</u>			
		File Attachment <u>Mifflin St (E) 625 letter.doc</u>			
		File Attachment <u>Mifflin St (E) 625 letter.doc</u>			
		File Attachment <u>Milwaukee St 6809 2nd letter.doc</u>			
		File Attachment <u>Lancaster Dr 3501 letter.doc</u>			
		File Attachment <u>Lumberman's Trail, 1102 letter.doc</u>			
		File Attachment <u>Lumberman's Trail, 1102.xls</u>			
		File Attachment <u>Felland Rd, 4009.xls</u>			
		File Attachment <u>Gemini Dr 5817 & 5818 letter.doc</u>			
		File Attachment <u>Ingersol (S) St, 301 letter.doc</u>			

File Attachment [Daniels 2221 letter.doc](#)
File Attachment [Dennett Dr, 3502 letter.doc](#)
File Attachment [Felland Rd 4009 letter.doc](#)
File Attachment [Canyon Parkway 6001 letter.doc](#)
File Attachment [Congress Ave, 5338-5360 letter.doc](#)
File Attachment [Corben Ct 3784 letter.doc](#)
File Attachment [Agriculture Dr 3322 letter.doc](#)
File Attachment [Atwood Ave 2801 letter.doc](#)

03/31/2008 2007 ENGINEERING WEST
OFFICIAL NOTICES

File Attachment [9513 Hill Creek official notice TNT.xls](#)
File Attachment [9509 Hill Creek Letter.doc](#)
File Attachment [9509 Hill Creek official notice TNT.xls](#)
File Attachment [9513 Hill Creek Letter.doc](#)
File Attachment [2007 Reminder Letter.doc](#)
File Attachment [9505 Hill Creek Letter.doc](#)
File Attachment [9505 Hill Creek official notice TNT.xls](#)
File Attachment [1419 Monroe ST_ official notice.xls](#)
File Attachment [1813 Lake Point Dr_ official notice TNT.xls](#)
File Attachment [2006 Seminole Hwy_ official notice TNT.xls](#)
File Attachment [5-30-07 Letter.doc](#)
File Attachment [6-15-07 Letter.doc](#)
File Attachment [1419 Monroe St_ Letter.doc](#)
File Attachment [4-27-07 Letter.doc](#)
File Attachment [4-27-07 official notice.xls](#)
File Attachment [5-30-07 Letter \(1\).doc](#)

4.2 Construction Site Inspection Program

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Procedures for inspecting construction sites and enforcing erosion control standards.

Goals

4.2.1 Track and Record Inspections

Description

Track and record all construction site inspections performed.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Activity Date

03/31/2006

Name

2004 & 2005 East & West
Engineering Inspection Reports

Description

City Engineering Erosion Control Inspectors (Jeff Benedict & Tim Troester) keep a log of all inspections completed on sites. These logs are in the form of a 4 week schedule for all active sites in the City at any given time.

A copy of those logs for 2004 and 2005 East and West are attached below:

File Attachment [West_04_05_const_inspections.pdf](#)

File Attachment [East_04_05_const_inspections.pdf](#)

03/31/2007

THIS SUBMITTAL HAS BEEN REPLACED WITH THE CITY OF MADISON EROSION CONTROL AND STORMWATER MANAGEMENT WEBSITE THAT TRACKS PERMITS AND INSPECTIONS NECESSARY AS PART OF THOSE PERMITS.

http://portal.sehinc.com/sehsvc/ec_report?action=ecProjectMapView&client_id=Qdhtpd9IVZ4%3De411M79iE7k%3D

LINK TO THE WEBSITE IS ABOVE.

4.2.2 Track and Record Enforcement Actions

Description

Track and record all enforcement actions taken as a result of construction site inspections.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date

03/31/2006

Name

2005 ENGINEERING
ENFORCEMENT ACTIONS

Description

COPIES OF ENGINEERINGS ENFORCMENT
ACTIONS ARE ATTACHED AS PDF FILES

File Attachment [2005 Madison-West EC Notices.pdf](#)
File Attachment [2005 Madison-West EC to City Attorney.pdf](#)
File Attachment [East_05_EC_ENFORCMENT.pdf](#)

03/31/2007

2006 ENGINEERING
ENFORCEMENT ACTIONS

File Attachment [Ziegler 705 letter.doc](#)
File Attachment [20070329155736995.pdf](#)
File Attachment [20070329155607438.pdf](#)
File Attachment [Rustic Acres 1st add to Nelson add letter.doc](#)
File Attachment [Rustic Acres 1st add to Nelson add.xls](#)
File Attachment [Treichel 4659 letter.doc](#)
File Attachment [Jupiter 618 letter.doc](#)
File Attachment [Jupiter 618.xls](#)
File Attachment [Kinsman 3301 letter.doc](#)
File Attachment [femrite 5818 letter.doc](#)
File Attachment [High Crossing 5th Ad 2nd.xls](#)
File Attachment [high crossing 5th add 2nd letter.doc](#)
File Attachment [atwood 1912 letter.doc](#)
File Attachment [Felland 4008 letter.doc](#)
File Attachment [Felland 4008.xls](#)
File Attachment [Advance 2202 letter.doc](#)
File Attachment [American 2409 letter.doc](#)
File Attachment [Anderson 3529 letter.doc](#)

03/31/2008

2007 ENGINEERING
ENFORCEMENT ACTIONS

File Attachment [9513 Hill Creek official notice TNT.xls](#)
File Attachment [9509 Hill Creek Letter.doc](#)
File Attachment [9505 Hill Creek official notice TNT.xls](#)
File Attachment [9509 Hill Creek official notice TNT.xls](#)
File Attachment [9513 Hill Creek Letter.doc](#)
File Attachment [2006 Seminole Hwy_ official notice TNT.xls](#)
File Attachment [2007 Reminder Letter.doc](#)
File Attachment [9505 Hill Creek Letter.doc](#)
File Attachment [1419 Monroe St_Letter.doc](#)
File Attachment [1419 Monroe ST_official notice.xls](#)
File Attachment [1813 Lake Point Dr_official notice TNT.xls](#)
File Attachment [5-30-07 Letter \(1\).doc](#)
File Attachment [5-30-07 Letter.doc](#)
File Attachment [6-15-07 Letter.doc](#)
File Attachment [Milwaukee St, 6809.xls](#)
File Attachment [4-27-07 Letter.doc](#)
File Attachment [4-27-07 official notice.xls](#)
File Attachment [Mifflin St \(E\) 625 letter.doc](#)
File Attachment [Milwaukee St 6809 2nd letter.doc](#)

- File Attachment [Milwaukee St 6809 letter.doc](#)
- File Attachment [Lancaster Dr 3501 letter.doc](#)
- File Attachment [Lumberman's Trail, 1102 letter.doc](#)
- File Attachment [Lumberman's Trail, 1102.xls](#)
- File Attachment [Gemini Dr 5817 & 5818 letter.doc](#)
- File Attachment [Ingersol \(S\) St, 301 letter.doc](#)
- File Attachment [Ingersol \(S\) St, 301.xls](#)
- File Attachment [Dennett Dr, 3502 letter.doc](#)
- File Attachment [Felland Rd 4009 letter.doc](#)
- File Attachment [Felland Rd, 4009.xls](#)
- File Attachment [Congress Ave, 5338-5360 letter.doc](#)
- File Attachment [Corben Ct 3784 letter.doc](#)
- File Attachment [Daniels 2221 letter.doc](#)
- File Attachment [Agriculture Dr 3322 letter.doc](#)
- File Attachment [Atwood Ave 2801 letter.doc](#)
- File Attachment [Canyon Parkway 6001 letter.doc](#)

4.2.3 Count Construction Site Permit Applications

Description

Count the number of construction or land disturbance permits applied for by landowners. Ensure to notify landowner applicants of possible applicability of subch. III of ch. NR 216, Wis. Adm. Code, Construction Site Storm Water Discharge Permits.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2004	2004 EROSION CONTROL ACTIVITIES	A COPY OF BUILDING INSPECTION AND ENGINEERING ACTIVITIES FOR 2004 IS ATTACHED. File Attachment <u>buildinginspect.doc</u> File Attachment <u>erosion_cont.doc</u>
03/31/2006	2005 EROSION CONTROL ACTIVITIES	A COPY OF BUILDING INSPECTION AND CITY ENGINEERING EROSION CONTROL INSPECTIONS AND ACTIONS FOR 2005 IS ATTACHED. File Attachment <u>Engineering_05_EC_summary.doc</u> File Attachment <u>Building_ins_05_numbers.doc</u>
03/31/2007	2006 EROSION CONTROL ACTIVITIES	File Attachment <u>2006 - BUILDING INSPECTION REPORT.doc</u> File Attachment <u>2006 City Engineering- Erosion Control.doc</u>
03/31/2008	2007 EROSION CONTROL ACTIVITIES	File Attachment <u>ENGINEERING_07_SUMMARY.doc</u> File Attachment <u>2007 BUILDING INSPECTION SUMMARY.doc</u> File Attachment <u>2007_BI_SUMMARY_CLAIR.doc</u>

5 Post-Construction Site Storm Water Management

Responsible Staff / Position

Administrator
608.266.4751

Description

Except as specified for the University of Wisconsin - Madison under Part I, Section I. (19), each co-permittee shall develop, implement, and enforce a program to address controls on storm water discharges from areas of new development and redevelopment, after construction is completed. The program shall apply to areas of new development and significant redevelopment undertaken by the co-permittee and those of other landowners. The program shall include the following minimum requirements:

(a) The exercise of legal authority to implement and enforce the standards of ss. NR 151.12 and 151.24, Wis. Adm. Code, or equivalent local standards.

THE CITY OF MADISON IS AN AUTHORIZED AGENT OF COMMERCE REGARDING REVIEW, APPROVAL AND INSPECTION OF INFILTRATION, DETENTION, POLLUTANT CONTROL AND EROSION CONTROL AS THEY REGARD STORMWATER ON COMMERCIAL SITES.

WHILE WE THE WDNR HAS NOT AUTHORIZED ANY COOPERATING COMMUNITY TO BE THE REVIEW AGENT FOR THE DEPARTMENT, THE CITY HAS NEVER THE LESS, PROCEEDED WITH REVIEW OF PLANS FOR COMPLIANCE WITH NR-151 SINCE THE IMPLEMENTATION DATE OF OCTOBER 1, 2004.

OUR ORDINANCES HAVE BEEN REVISED TO REQUIRE COMPLIANCE WITH THESE CODES UNDER CITY MUNICIPAL ORDINANCE.

(b) Notification by the co-permittee to landowners who apply for local construction or land disturbance permits of the possible applicability of subch. III of ch. NR 216, Wis. Adm. Code, Construction Site Storm Water Discharge Permits, to the landowner's construction projects.

AS A STANDARD PRACTICE, APPLICANTS ARE NOTIFIED OF THERE REQUIREMENTS REGARDING STORMWATER MANAGEMENT (INCLUDING NR-151 REQUIREMENTS) DURING THEIR APPLICATION PROCESS.

(c) Procedures for site planning which incorporate timely consideration of potential water quality impacts from storm water runoff from new development and redevelopment, and that ensure the implementation of the standards of ss. NR 151.12 and 151.24, Wis. Adm. Code, or equivalent local standards.

ALL NEW AND REDEVELOPMENT IS REQUIRED TO COMPLY WITH THE REQUIREMENTS OF NR-151 OR MORE STRINGENT LOCAL STANDARDS.

(d) Requirements for source area controls and on-site best management practices that meet or exceed the standards of ss. NR 151.12 and 151.24, Wis. Adm. Code, or equivalent local standards.

MADISON GENERAL ORDINANCE CHAPTER 37 HAS BEEN AMENDED TO INCLUDE REQUIREMENTS THAT ARE AS STRICT OR STRICTER THAN THE RELEVANT PORTIONS OF NR-151.

(e) Procedures for inspecting the construction and installation of storm water best management practices and enforcement actions to ensure compliance with post-construction storm water management standards.

INSPECTION REPORTS HAVE BEEN INCLUDED UNDER THE "ANNUAL PROGRAM REVIEW" PORTION OF THE POST CONSTRUCTION SITE STORMWATER MANAGEMENT.

(f) Documentation of any enforcement actions.

ENFORCEMENT ACTIONS HAVE ALSO BEEN DOCUMENTED UNDER THE "ANNUAL PROGRAM REVIEW" AS NOTED UNDER (e) ABOVE.

(g) Designation of a qualified professional with responsibility to ensure implementation of the standards on ss. NR 151.12 and 151.24, Wis. Adm. Code, and the requirements of subch. III of ch. NR 216, Wis. Adm. Code, Construction Site Storm Water Discharge Permits, where applicable.

THE CITY HAS FOUR (4) PRIMARY STAFF RESPONSIBLE FOR REVIEW OF PLANS FOR COMPLIANCE WITH CITY OF MADISON STORMWATER REQUIREMENTS WHICH INCLUDE NR-151. SPECIFICALLY, MIKE DAILEY, GREG FRIES, JEFF BENEDICT AND TIM TROESTER ARE ASSIGNED TO THIS TASK. MIKE, GREG & JEFF AND PROFESSIONAL ENGINEERS TRAINED IN STORMWATER MANAGEMENT WHILE TIM IS A EIT ALSO TRAINED FOR THIS REVIEW.

Best Management Practices

5.1 Post-Construction Site Storm Water Management Program

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Implement and enforce a post-construction site storm water management program complying with NR-151.

Goals

5.1.4 Continue Implementation of Existing Program

Description

Implement post-construction site storm water management program. Include the designation of a qualified professional with responsibility to ensure implementation of the standards of ss. NR 151.12 and 151.24, Wis. Adm. Code, and the requirements of subch. III of NR 216, Wis. Adm. Code, Construction Site Storm Water Discharge Permits, where applicable.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
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None

5.1.5 Annual Program Review

Description

Review the post-construction site storm water management program annually. Revise the program accordingly.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
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03/31/2006	2004 & 2005 SITE INSPECTIONS FOR EROSION CONTROL AND INSTALLATION OF BEST MANAGEMENT PRACTICES	INSPECTION REPORTS FOR THE CITY OF MADISON DIVIDED EAST VS WEST ARE ATTACHED BELOW
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File Attachment [East_04_05_const_inspections.pdf](#)

File Attachment [West_04_05_const_inspections.pdf](#)

03/31/2007	THIS PROGRAM HAS BEEN REPLACED BY THE EROSION CONTROL AND STORMWATER MANAGEMENT WEBSITE
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5.2 Post-Construction Site Inspection Program

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Implement procedures for source area controls and on-site best management practices and enforcement actions to ensure compliance with post-construction storm water management standards.

Annual Reporting Items

SUMMARY INFORMATION IS PROVIDED FOR THE NUMBERS OF PROJECTS THAT HAVE BEEN REQUIRED TO IMPLEMENT STORMWATER MANAGEMENT PRACTICES AND THE INSPECTIONS TO DETERMINE IF THE PRACTICES HAVE BEEN INSTALLED AND FOLLOW UP ACTIONS IF THEY HAVE NOT BEEN INSTALLED.

Goals

5.2.1 Track and Record Inspections

Description

Track and record post-construction site inspections.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2005	2004 SITES WITH STORMWATER MANAGEMENT REQUIREMENTS	EAST AND WEST SITES WITH STORMWATER MANAGEMENT REQUIREMENTS
	File Attachment	SiteStormwaterMngmtPlans_West2004.pdf
	File Attachment	SiteStormwaterMngmtPlans_East2004.pdf
03/31/2006	2005 SITES WITH STORMWATER MANAGEMENT REQUIREMENTS	EAST AND WEST SITES WITH STORMWATER MANAGEMENT REQUIREMENTS FOR 2005
	File Attachment	SiteStormwaterMngmtPlans_East2005.pdf
	File Attachment	SiteStormwaterMngmtPlans_West2005.pdf
03/31/2007	2006 SITES WITH STORMWATER MANAGEMENT REQUIREMENTS	
	File Attachment	2006East.pdf
	File Attachment	2006West.pdf
03/31/2008	2007 SITES WITH STORMWATER MANAGEMENT REQUIREMENTS	
	File Attachment	EAST_POST_07.pdf
	File Attachment	WEST_POST_07.pdf

5.2.2 Track and Record Enforcement Actions

Description

Track and record post-construction site enforcement actions resulting from inspections.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2006	2005 INSPECTIONS AND ACTIONS ON SITES WITH REQUIRED BMPS	RECORD OF EAST AND WEST INSPECTIONS THROUGH DECEMBER 31, 2005 OF SITES REQUIRING BMP INSTALLATIONS AND THE INSTALLATION STATUS. File Attachment <u>WEST_BMP_INSPT_THROUGH_2005.PDF</u> File Attachment <u>East_05_BMP_ORDERS.pdf</u> File Attachment <u>EAsT_BMP_INSPT_THROUGH_2005.xls</u>
03/31/2007	2006 INSPECTIONS AND ACTIONS ON SITES WITH REQUIRED BMPS	RECORD OF EAST AND WEST INSPECTIONS THROUGH DECEMBER 31, 2006 OF SITES REQUIRING BMP INSTALLATIONS AND THE INSTALLATION STATUS. File Attachment <u>WEST_BMP_INSPCTIONS_THROUGH_2006.pdf</u> File Attachment <u>East_BMP_inspections_06.doc</u>
03/31/2008	2007 - SITES LACKING INSTALLATION OF REQUIRED BMPS	File Attachment <u>WEST_MISSING_BMPS_07.pdf</u> File Attachment <u>EAST_MISSING_BMPS_07.pdf</u>

5.3 Badger Mill Creek Watershed

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Within the jurisdiction of the City of Madison, give special attention to activities affecting the quality of storm water discharges in the Badger Mill Creek watershed. The City of Madison shall ensure that post-construction site storm water management at new development facilitates infiltration within the Badger Mill Creek watershed to the maximum extent practicable. The City of Madison shall work with developers, consultants, contractors, and others representing the development community to prevent and reduce negative water quality impacts from storm water discharges within the City of Madison and to promote infiltration. If requested by the Department of Natural Resources, the City of Madison shall notify the Department of Natural Resources of new development in the Badger Mill Creek watershed early in the City's review process to accommodate the Department of Natural Resources' input. The Department of Natural Resources may make similar requests beyond the Badger Mill Creek watershed.

THE CITY OF MADISON HAS COMMISSIONED STORMWATER MANAGEMENT REPORTS FOR BOTH THE UPPER AND LOWER BRANCHES OF THE BADGER MILL CREEK. THE RECOMMENDATIONS OF THESE REPORTS (COMPLETED BY EARTHTECH INC.) ARE BEING IMPLEMENTED AS DEVELOPMENT PROCEEDS.

IMPACT FEE DISTRICTS HAVE BEEN CREATED FOR BOTH OF THESE WATERSHEDS TO ALLOW THE CITY THE FUNDS NECESSARY TO IMPLEMENT THESE PLANS ON A REGIONAL BASIS.

IN THE UPPER BADGER MILL WATERSHED OVER THE PAST FOUR (4) YEARS THE CITY HAS CONSTRUCTED OR IS CONSTRUCTING STORMWATER MANAGEMENT FACILITIES THAT WILL PROVIDED OVER 230 ACRE-FEET OF STORAGE AND OVER 5 ACRES OF WETLAND HABITAT.

ALL PLANS THAT ARE REVIEWED IN THIS WATERSHED ARE REQUIRED TO MEET THE REQUIREMENTS OF NR-151, AND TO DETAIN THE 100 YEAR STORM EVENT AND TO PROVIDE THERMAL CONTROL (GENERALLY IN EXCESS OF THE INFILTRATION REQUIREMENTS OF NR-151).

Annual Reporting Items

NONE

Goals

5.3.1 Track and Record Activities

Description

Track and record activities related to pollution prevention and the promotion of infiltration techniques in the Badger Mill Creek watershed district.

The City of Madison reviews, all permits for construction in the same manner. However, developments in the Badger Mill Creek have several special requirements. These requirements include: Thermal Controls, 2, 10, 100 year detention, 80% TSS control, Infiltration and possible oil and grease control.

THE CITY OF MADISON DOES NOT TRACK STORMWATER MANAGEMENT PERMITS IN THIS WATERSHED SEPARATELY. HOWEVER, WE DO HAVE ADDITIONAL REQUIREMENTS FOR DEVELOPMENTS IN BOTH THE UPPER AND LOWER BRANCHES OF THE BADGER MILL CREEK WATERSHED. IN ADDITION TO THE REQUIREMENTS OF NR-151, DEVELOPMENTS IN THIS AREA ARE REQUIRED TO MEET THERMAL CONTROLS (PER DANE COUNTY ORDINANCE) AND TO DETAIN THE 100 YEAR STORM EVENT.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
None		

6 Municipal Pollution Prevention

Responsible Staff / Position

Administrator
608.266.4751

Description

Each co-permittee shall implement a municipal operation and maintenance program to prevent or minimize pollutants entering the MS4 and waters of the state. At a minimum, the program shall include the following activities:

- (a) An annually updated inventory of long-term storm water best management practices owned, operated, managed, or maintained by the co-permittee.
- (b) Implementation of maintenance procedures and schedules for practices identified under Part I, Section C. (6) (a), other source area controls, catch basin cleaning, and the physical condition of elements of the MS4 that may adversely affect water quality.
- (c) Implementation of roadway maintenance procedures that includes street sweeping and de-icing management that takes into consideration the effects on water quality.
- (d) Collection procedures and/or instruction to citizens for on-site management of leaves, yard waste, and grass clippings.
- (e) Pollution prevention procedures at municipal garages, public works facilities, and storage areas.
- (f) Management of the storage of salt for roadway de-icing in accordance with ch. TRANS 277, Wis. Adm. Code.
- (g) Pollution prevention procedures for the use and application of lawn and garden fertilizers on municipally controlled properties. By March 10, 2008, the application of lawn and garden fertilizers on municipally controlled properties, with pervious surface over 5 acres each, shall be done in accordance with s. NR 151.13(1)(b)3., Wis. Adm. Code.
- (h) Pollution prevention procedures for the use and application of pesticides and herbicides on municipally controlled properties.
- (i) Documentation of the estimated amount of leaves collected, solids captured from street sweeping, solids removed from catch basins, and solids removed from structural controls.

(j) To the maximum extent practicable, the development and implementation of policies and procedures to meet the developed urban area performance standard of s. NR 151.13(2)(b)1.b., Wis. Adm. Code, by the required compliance date of March 10, 2008.

Best Management Practices

6.1 Develop MUNICIPAL Pollution Prevention Program

Responsible Staff / Position

Administrator
608.266.4751

Required: No

Description

Develop, implement, and enforce a municipal pollution prevention program.

AN ACCEPTABLE MUNICIPAL POLLUTION PREVENTION PROGRAM HAS BEEN SUBSTANTIALLY IN PLACE FOR THE CITY OF MADISON SINCE ISSUANCE OF OUR FIRST WPDES PERMIT IN JULY OF 1995.

Goals

6.1.5 Annual Program Review

Description

Review the municipal pollution prevention program annually. Revise the program accordingly.

COMPONENTS OF THE MUNICIPAL POLLUTION PREVENTION PROGRAM ARE REVIEWED ANNUALLY BY THE WDNR.

THE CITY PROVIDES DATA ON THE REQUIRED ACTIVITIES UNDER OUR POLLUTION PREVENTION PROGRAM FOR WDNR REVIEW AND COMMENT.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
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None

6.2 Private Yard Waste Management

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Collection procedures and/or instruction to citizens for on-site management of leaves, yard waste, and grass clippings.

+++++

The City of Madison encourages citizens to recycle yard waste on their property if possible by providing annual access to a compost machine at the City's cost, and by not collecting yard waste at the curb.

For those citizens, choosing to dispose of their yard waste the City provides brush collection at the curb 2-3 times per year. The brush is chipped on site and the mulch is made available free for public use at several sites around the City.

The City does not collect yard waste, but provides three drop-off sites around the city. Lastly, leaves are collected, by the City, typically 3 times per year from each area in the City. Collections typically begin in late October. There is no formal schedule for these collections, rather the Streets Department website provides information on when you can expect crews in your area.

All organic material collected (LEAVES 15,462 tons, YARD WASTE 5683 tons) is taken to the Dane County Compose sites. The City pays Dane County to accept and manage this material. Dane County provides unscreened compost to residents free of charge, a fee is charged for screened compost.

Goals

6.2.1 Distribute Fliers

Description

Produce and distribute a flier to instruct citizens on the management of leaves, yard waste, and grass clippings. Include a collection schedule for related waste materials.

AS PART OF OUR LEAF COLLECTION PROGRAM THE CITY HAS ITS' OWN I&E PROGRAM INCLUDING A WEB SITE (APPENDED BELOW)

THAT ATTEMPTS TO INFORM RESIDENTS OF COLLECTION SCHEDULE FOR LEAVES.

WE HAVE ALSO CONTRIBUTE TO THE "LOVE YOUR LAKES DON'T LEAF THEM" CAMPAIGN.

LASTLY WE ARE THE LARGEST CONTRIBUTOR TO THE MAMSWP I&E PROGRAM WHICH DOES THEIR OWN SERIES OF ADVERTISEMENTS REGARDING PROPER LEAF COLLECTION.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
None		

6.2.2 LEAVES AND YARD WASTE COLLECTED

Description

Document the estimated amount of leaves collected.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2005	2004 YARD WASTE AND LEAF COLLECTION	A COPY OF THE STREETS DEPARTMENT COLLECTION DATA FOR 2004 IS ATTACHED. File Attachment streetsdata_04.xls
03/31/2006	2005 YARD WASTE AND LEAF COLLECTION	A COPY OF THE STREETS DEPARTMENT COLLECTION REPORT FOR 2005 IS ATTACHED. File Attachment streetsdata_05.xls
03/31/2007	2006 YARD WASTE AND LEAF COLLECTION	File Attachment 2006_STREETS_EPA.xls
03/31/2008	2007 YARD WASTE AND LEAF COLLECTION	File Attachment Stormwater Annual Report Information.xls

6.3 Street Sweeping - annual reports and study results

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Implement a street sweeping program that takes into consideration the effects on water quality.

Goals

6.3.1 Track and Record Street Sweeping Activities

Description

Track and record the mileage of streets swept and the amount of debris collected.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
01/01/2005	2003-2004 STREETS OPERATIONS RESULTS	A REPORT DETAILING THE MATERIAL REMOVED AS PART OF STREET SWEEPING IS ATTACHED. <i>Stormwater Data.xls</i> File Attachment
03/31/2006	2004-2005 STREETS OPERATIONS RESULTS	A REPORT DETAILING THE MATERIAL REMOVED AS PART OF STREET SWEEPING EFFORTS FOR 2005 IS ATTACHED. <i>streetsdata_05.xls</i> File Attachment
03/31/2007	2005-2006 STREETS OPERATIONS RESULTS	<i>2006_STREETS_EPA.xls</i> File Attachment
03/31/2007	2006 - DRAFT SWEEPING STUDY RESULTS	<i>2006 Madison Street Sweepig Draft Report.pdf</i> File Attachment
03/31/2007	STREET SWEEPING RESULTS TO DATE	INFORMATION ON THE CITY/USGS STUDY OF THE EFFECTIVENESS OF SWEEPING AND SWEEPERS IN RESIDENTIAL AREAS IN THE CITY OF MADISON <i>streetsweep.ppt</i> File Attachment <i>public_posting.doc</i> File Attachment <i>Madison street sweeping summary 050615.pdf</i> File Attachment
03/31/2008	USE OF STREET SWEEPING STUDY RESULTS	<i>Applying Street Cleaning v2 ET Template.ppt</i> File Attachment
03/31/2008	STREET SWEEPING STUDY FINAL REPORT	<i>Bannerman R133 BMP StormCon 082107.doc</i> File Attachment

File Attachment [final_streetsweep_rpt.pdf](#)

03/31/2008 2006-2007 STREETS OPERATIONS
RESULTS

File Attachment [Stormwater Annual Report Information.xls](#)

03/31/2008 2007 - FINAL STREET SWEEPING
STUDY RESULTS

File Attachment [final_streetsweep_rpt.pdf](#)

6.4 Roadway De-Icing

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Implement roadway de-icing procedures that take into consideration the effects on water quality.

Goals

6.4.1 Track and Record Roadway De-Icing Activities

Description

Track and record the mileage of streets de-iced and the type and amount of surface de-icing material used.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
09/06/2004	2003-2004 SALT REPORT	HEALT DEPARTMENTS ANNUAL REPORT ON SALT USE IN THE CITY OF MADISON <i>Road Salt Report 2003-2004.doc</i>
		File Attachment
03/31/2005	SALT SAND USE FOR CALANDER 2004	<i>ReStormwaterannualreportinformation.doc</i>
		File Attachment
09/05/2005	2004-2005 SALT REPORT	ANNUAL REPORT ON SALT USE BY THE CITY OF MADISON HEALTH DEPARTMENT <i>Road Salt Report 2004-2005 for October 2005 agenda.doc</i>
		File Attachment
01/01/2006	SAND SALT USE FROM 1972-2002	A COPY OF THE HEALTH DEPARTMENT REPORT ON SALT USE FROM 72-2002 IS ATTACHED. <i>SALTSAND.DOC</i>
		File Attachment
01/01/2006	MINUTES OF COE SALT USE SUBCOMMITTEE	IN 2005 THE COMMISSION ON THE ENVIRONMENT CREATED A SUB-COMMITTEE TO REVIEW SALT USE POLICY IN THE CITY OF MADISON AND RECOMMEND WAYS TO REDUCE THE USE OF SAME.
		File Attachment <i>November 1, 2005 - Meeting Minutes.doc</i>
		File Attachment <i>December 15, 2005 - Meeting Minutes.doc</i>
		File Attachment <i>May 26, 2005 - Meeting Minutes.doc</i>
		File Attachment <i>June 16, 2005 - Meeting Minutes.doc</i>
		File Attachment <i>September 30, 2005 - Meeting Minutes.doc</i>
		File Attachment <i>Feb 11, 2005 - Meeting Minutes.doc</i>
		File Attachment <i>March 18, 2005 - Meeting Minutes.doc</i>
		File Attachment <i>April 26, 2005 - Meeting Minutes.doc</i>

03/01/2006	COE SALT USE SUBCOMMITTEE REPORT	THE COMMISSION ON THE ENVIRONMENT HAS TAKEN UP SALT USE AS AN ISSUE OF CONCERN. A SUBCOMMITTEE HAS BEEN FORMED TO ADDRESS THIS ISSUE AND A COPY OF THE DRAFT REPORT IS ATTACHED.
	File Attachment	<u>Draft Report Sections.doc</u>
	File Attachment	<u>2006_2007_FINAL_SALT_REPORT.PDF</u>
03/31/2007	2005-2006 SALT REPORT	
	File Attachment	<u>2006_STREETS_EPA.xls</u>
03/31/2008	2006-2007 SALT REPORT	
	File Attachment	<u>DraftReport12-06-06.pdf</u>
03/31/2008	SALT APPLICATORS TRAINING 2007	
	File Attachment	<u>SnowMaintBrochure2.pdf</u>
	File Attachment	<u>SignIn_WinterMaintTraining_Madison.pdf</u>
	File Attachment	<u>References.pdf</u>
	File Attachment	<u>roadsalt-clipboardpages.pdf</u>
	File Attachment	<u>SnowMaintBrochure.pdf</u>
	File Attachment	<u>parkinglotmanual-june06.pdf</u>
	File Attachment	<u>TrainingSummary.doc</u>
	File Attachment	<u>Figure1.jpg</u>
	File Attachment	<u>GreenTier_SaltApp.doc</u>
03/31/2008	2007 STREETS USEAGE SUMMARY	
	File Attachment	<u>Stormwater Annual Report Information.xls</u>

6.4.2 Salt Storage Procedures

Description

Develop and implement procedures for the management of the storage of salt for roadway de-icing in accordance with ch. TRANS 277, Wis. Adm. Code.

THE CITY OPERATES THREE (3) SALT STORAGE LOCATIONS:

1501 WEST BADGER ROAD
 4502 SYCAMORE AVENUE
 402 SOUTH POINT ROAD

ALL ARE OPERATED IN ACCORD WITH TRANS-277

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
01/01/2006	COPY OF TRANS 277 ATTACHMENT	The City of Madison complys with the requirements of TRANS 277 (copy attached) at our salt storage locations. As required by the Wisconsin Administrative Code and by a condition of our permit,

6.5 Facilities Management

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Develop and implement pollution prevention procedures at municipal garages, public works facilities, and storage areas.

Goals

6.5.1 Municipal Garage Procedures

Description

Develop and implement pollution prevention procedures for municipal garages. Review annually and document changes.

THE CITY OF MADISON PERFORMS ALL OF ITS MAINTENANCE WORK INSIDE BUILDINGS CONSTRUCTED WITH FLOOR DRAINS CONNECTED TO THE SANITARY SEWER SYSTEM.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
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None

6.5.2 Public Works Facility Procedures

Description

Develop and implement pollution prevention procedures for municipal public works facilities. Review annually and document changes.

THERE ARE THREE (3) MAIN MUNICIPAL PUBLIC WORKS FACILITIES IN THE CITY OF MADISON - BADGER ROAD, SYCAMORE, AND SOUTH POINT ROAD.

BADGER ROAD'S FACILITY IS EQUIPPED WITH A STORMCEPTOR TO TREAT RUNOFF FROM THE YARD PRIOR TO DISCHARGE TO THE STORM SEWER SYSTEM. THE STORMCEPTOR IS CLEANED TWICE A YEAR WITH OUR VACTOR EQUIPMENT.

SYCAMORE FACILITY DRAINS THROUGH A GREENWAY PRIOR TO DISCHARGE TO THE WATERS OF THE STATE BUT NO FORMAL TREATMENT IS PROVIDED ON SITE.

SOUTH POINT ROAD - IS DISCHARGED THROUGH A CREATED STORMWATER WETLAND PRIOR TO DISCHARGE OFF SITE AND EVENTUALLY TO THE LOWER BADGER MILL CREEK.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
None		

6.5.3 Municipal Storage Areas

Description

Develop and implement pollution prevention procedures for municipal storage areas. Review annually and document changes.

THERE ARE THREE (3) MAIN MUNICIPAL PUBLIC WORKS FACILITIES IN THE CITY OF MADISON - BADGER ROAD, SYCAMORE, AND SOUTH POINT ROAD.

BADGER ROAD'S FACILITY IS EQUIPPED WITH A STORMCEPTOR TO TREAT RUNOFF FROM THE YARD PRIOR TO DISCHARGE TO THE STORM SEWER SYSTEM. THE STORMCEPTOR IS CLEANED TWICE A YEAR WITH OUR VACTOR EQUIPMENT.

SYCAMORE FACILITY DRAINS THROUGH A GREENWAY PRIOR TO DISCHARGE TO THE WATERS OF THE STATE BUT NO FORMAL TREATMENT IS PROVIDED ON SITE.

SOUTH POINT ROAD - IS DISCHARGED THROUGH A CREATED STORMWATER WETLAND PRIOR TO DISCHARGE OFF SITE AND EVENTUALLY TO THE LOWER BADGER MILL CREEK.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
None		

6.5.4 Lawn and Garden Fertilizer Procedures

Description

By March 10, 2008, the application of lawn and garden fertilizers on municipally controlled properties, with pervious surface over 5 acres each, shall be done in accordance with s. NR 151.13(1)(b)3., Wis. Adm. Code.

Track and record progress towards this goal annually.

THE CITY OF MADISON IS IN COMPLIANCE WITH NR-151.13(1)(b)3. ALL MUNICIPAL GOLF COURSES ARE REQUIRED TO COMPLETE SOIL TESTING TO DETERMINE THE LEVELS OF EXISTING NUTRIENTS IN THE SOIL AND APPLY NEW FERTILIZERS APPROPRIATELY.

OTHER CITY OF MADISON PUBLIC LANDS RECEIVE LITTLE OR NO FERTILIZER AND IF FERTILIZER IS APPLIED A SOIL TEST IS COMPLETED TO BE IN COMPLIANCE WITH THE ATTACHED MADISON POLICY.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
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03/31/2006	CITY OF MADISON - FERTILIZER POLICY	CITY OF MADISON STANDARDS CURRENTLY PROHIBIT THE USE OF FERTILIZER ON CITY LANDS WITHOUT TESTING AND A IPM PLAN BEING IN PLACE. THE CITY ORDINANCE REGARDING USE OF PHOSPHOROUS ON BOTH PUBLIC AND PRIVATE LANDS IS ATTACHED.
		File Attachment FERTILIZER_APPLICATION_ORD.doc
03/31/2007	2007 LETTER TO SELLERS OF FERTILZER PRODUCTS	DANE COUNTY AND MADISON BAN THE USE AND SALE OF FERTILIZER CONTAINING PHOSPHEROUS. AS A RESULT OF THIS A LETTER IS SENT OUT ANNUALLY TO REMIND MERCHANTS OF THEIR RESPONSIBILITY UNDER MADISON GENERAL ORDINANCE.
		File Attachment 2006_Fertilizer Retailers.xls File Attachment 2007_Phos letter.doc
03/31/2008	2008 LETTER TO SELLERS OF FERTILIZER PRODUCTS	
		File Attachment Phos letter 2008.doc

6.5.5 Pesticide/Herbicide Procedures

Description

Develop and implement pollution prevention procedures for the use and application of pesticides and herbicides on municipally controlled properties.

Track and record progress annually.

THE CITY OF MADISON HAS A PESTICIDE POLICY IN PLACE THAT PLACES LIMITS ON THE USE OF PESTICIDES BY CITY STAFF. A COPY OF THAT POLICY IS ATTACHED.

THE HEALTH DEPARTMENT IS RESPONSIBLE FOR PROVIDING AN ANNUAL REPORT ON THE USE OF PESTICIDES FOR COMPLIANCE WITH THIS POLICY. THESE REPORTS ARE ALSO ATTACHED.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
03/31/2005	2004 HEALTH DEPARTMENT - ANNUAL REPORT ON PESTICIDE USE IN THE CITY	A COPY OF THE ANNUAL HEALTH REPORT ON PESTICIDE USE IS ATTACHED.			
		File Attachment 2004Pest Management Report.doc			
03/31/2006	2005 HEALTH DEPARTMENT - ANNUYAL REPORT ON PESTICIDE USE IN THE CITY	THIS WILL BE READY APPROXIMATELY JULY 06 AND WILL BE INCLUDED IN THE 2006 ANNUAL REPORT.			
03/31/2006	2005-2006 ENGINEERING INTEGRATED PEST MANAGMENT PLAN	A PDF FILE OF CITY ENGINEERINGS 05/06 PLAN IS ATTACHED			
		File Attachment Engineering_integrated_pest_mngt.pdf			
03/31/2006	CITY OF MADISON PESTICIDE USE POLICY	A COPY OF THE CITY'S PESTICIDE POLICY IS ATTACHED.			

File Attachment [PESTICIDE_POLICY.pdf](#)

03/31/2007 2006 HEALTH DEPARTMENT
ANNUAL REPORT ON PESTICIDE
USE IN TEH CITY
File Attachment [2006_Pest Management Report \(2\).doc](#)

03/31/2008 2007 HEALTH DEPARTMENT
REPORT ON PESTICIDE USE AT
THE CITY OF MADISON
File Attachment [2006-07Pest Management Report.doc](#)

6.5.6 Mosquito Control

Description

The City of Madison maintains a mosquito control/monitoring program. Attached are reports and status on that program.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2006	2005 MOSQUITO REPORT AND PRESENTATION	SEE ATTACHED DOCUMENTS
		File Attachment MadisonWNV-2005.pdf
		File Attachment Mosquito Monitoring and Control Pres.ppt

03/31/2007 2006 MOSQUITO REPORT
File Attachment [2006_MOSQUITO_WNV_REPORT.pdf](#)

03/31/2008 2007 MOSQUITO REPORT
File Attachment [DaneCountyWNV-2007.doc](#)

6.6 Developed Urban Area Performance Standard

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

To the maximum extent practicable, develop and implement policies and procedures to meet the developed urban area performance standard of s. NR 151.13(2)(b)1.b., Wis. Adm. Code, by the required compliance date of March 10, 2008.

THE CITY OF MADISON HAS BEGUN THE MODELING EFFORT REQUIRED TO DOCUMENT EXISTING CONDITIONS (WITH NO CONTROLS) AND TO DETERMINE THE CURRENT LEVEL OF TREATMENT AFFORDED BY THE CITY'S STORMWATER MANAGERMENTS SYSTEM.

WE INTEND TO MEET THE 20% REDUCTION IN TSS AS REQUIRED BY NR-151 BY THE 2008 DATE.

LOCAL ORDINANCES ALREADY MEET OR EXCEED THE STANDARDS SET BY NR-151 FOR NEW AND REDEVELOPMENT. IT IS UNREALISTIC TO EXPECT THAT FURTHER REDUCTIONS (BEYOND THE 40%) REQUIRED BY NR-151 CAN BE OBTAINED FROM REDEVELOPMENT. AS THE BOUNDARIES FOR THE MUNICIPAL LIMITS WERE SET ON OCTOBER 1, 2004 ADDITIONAL STANDARDS FOR NEW DEVELOPMENT WILL HAVE NO EFFECT ON OUR MUNICIPAL GOAL AND IN ANY CASE CANNOT BE REASONABLY MET AND NO ADDITIONAL STANDARDS ABOVE NR-151 ARE PROPOSED BY THE CITY.

IF ADDITIONAL REDUCTIONS ARE NEEDED TO MEET THE 40% REDUCTION GOAL OF 2013 THE MODELING EFFORT ALREADY BEGUN WILL DOCUMENT THOSE REQUIREMENTS AND A METHOD TO REACH THAT REDUCTION STANDARD WILL BE PROPOSED.

2006 - ADDITIONS

AS A NEW SLAMM MODEL HAS JUST BEEN APPROVED. THE CITY OF MADISON WILL COMPLETE ITS MODELING REQUIREMENTS IN ACCORD WITH THE GUIDANCE OF THE WDNR IN THE SIX (6) MONTHS ALLOTTED FROM THE ISSUANCE DATE OF THE NEW MODEL.

WHILE THE NEW MODEL WILL HAVE SOME AFFECT ON THE CITY IT IS NOT

THAT IT WILL IMPACT OUR ABILITY TO REACH THE 20% TSS REDUCTION GOAL BY OCTOBER 1, 2008.

IN AN EFFORT TO ASSIST THE WDNR WITH THEIR TMDL CALCULATIONS WE SHALL ALSO PROVIDE PHOSPHEROUS LOADINGS AS PART OF OUR SUBMITTAL TO THE DEPARTMENT.

Goals

6.6.1 Performance Standard Compliance

Description

Meet the compliance requirements of the developed urban area performance standard of s. NR 151.13(2)(b)1.b., Wis. Adm. Code. Track progress annually.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2008	PROVIDE DOCUMENTATION THAT WE HAVE MET THE 20% TSS REDUCTION REQUIRED	File Attachment <u>WDNR_LOADING.xls</u>

6.7 OPERATION OF CLEAN SWEEP PROGRAM

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Annual Reporting Items

ANNUAL CLEAN SWEEP REPORT

Goals

6.7.1 CLEAN SWEEP ANNUAL REPORTS

Description

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2005	2004 CLEAN SWEEP ANNUAL REPORT	THE ANNUAL CLEAN SWEEP REPORT IS ATTACHED File Attachment 2004annualreport.pdf
03/31/2006	2005 CLEAN SWEEP ANNUAL REPORT	THE ANNUAL CLEAN SWEEP REPORT IS ATTACHED. File Attachment cleansweep_05.pdf
03/31/2007	2006 ANNUAL REPORTS	File Attachment CleanSweepReport06.pdf
03/31/2008	2007 CLEAN SWEEP ANNUAL REPORT	File Attachment 2007 Annual Report.pdf

6.8 CATCHBASIN CLEANING

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Annual Reporting Items

NUMBER OF STRUCTURES CLEANED AND AMOUNT OF DEBRIS REMOVED

Goals

6.8.1 ANNUAL REPORT ON CATCHBASIN CLEANING

Description

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2005	2003 CATCHBASIN CLEANING REPORT	SUMMARY OF CATCHBASIN/INLET CLEANING IS ATTACHED. File Attachment cb_inlet_cleaning_2003.xls File Attachment CB & Inlet Cleaning.doc
03/31/2005	2004 CATCHBASIN CLEANING REPORT	A COPY OF THE RESULTS OF THE CATCHBASIN/INLET CLEANING IS ATTACHED. File Attachment CATCHBASIN_04.doc
03/31/2006	2005 CATCHBASIN CLEANING REPORT	In 2005 we cleaned 569 CBs, 1,718 inlets, 42 apron ends and 189,537 LF of storm main. This resulted in the removal of 1,636.77 CY of debris from the system. The attached report identifies the specific structures and mains cleaned in 2005. File Attachment CATCHBASIN_CLEAN_05.PDF
03/31/2007	2006 CATCHBASIN CLEANING REPORT	File Attachment 2006 - Storm_Cleaning_Summary_Report.pdf
03/31/2008	2007 CATCHBASIN CLEANING REPORT	File Attachment Crystal Reports - Storm_Cleaning_Summary_Report.pdf

7 Assessment of Controls

Responsible Staff / Position

Administrator
608.266.4751

Description

Best Management Practices

7.1 Annual Review

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Each co-permittee shall conduct an annual review and assessment of its respective storm water management program in conjunction with preparation of the annual report. The assessment of the effectiveness of the storm water management program shall include the following:

- (a) A description of the public information and outreach efforts to-date and the status of implementation of the information and education plan, including an assessment of the effectiveness of reaching targeted audiences and delivery of intended messages.
- (b) A description of public involvement and participation activities to-date, including an assessment of the effectiveness of efforts to involve the public and the level of participation.
- (c) A description of illicit discharge detection and elimination program implementation with an assessment of the effectiveness of detection and elimination of illicit discharges, prevention of the improper disposal of waste and dumping, and the handling of spills.
- (d) A description of construction site pollution control program implementation with an assessment of program effectiveness in meeting the standards of ss. NR 151.11 and 151.23, Wis. Adm. Code.
- (e) A description of post-construction site storm water management program implementation with an assessment of program effectiveness in meeting the standards of ss. NR 151.12 and 151.24, Wis. Adm. Code.
- (f) A description of enforcement actions taken pursuant to the programs implemented under (c), (d), and (e) above and an assessment of the effectiveness of enforcement efforts.
- (g) A description of pollution prevention efforts through the implementation of the municipal operation and maintenance program with an assessment of program effectiveness.

Justification

- (a) A description of the public information and outreach efforts.

I&E IS DOCUMENTED UNDER THE "PUBLIC EDUCATION & OUTREACH" TAB OF THE

WEBSITE.

(b) A description of public involvement and participation activities to-date

I&E IS DOCUMENTED UNDER THE "PUBLIC EDUCATION & OUTREACH" TAB OF THE WEB-SITE REPORT.

(c) A description of illicit discharge detection and elimination program.

HEALTH DEPT ANNUAL REPORT IS DOCUMENTED IN THE "ILLICIT DISCHARGE DETECTION AND ELIMINATION" TAB OF THE WEB-SITE.

(d) A description of construction site pollution control program.

EROSION CONTROL INSPECTION & ENFORCEMENT ACTIONS ARE DOCUMENTED IN THE "CONSTRUCTION SITE POLLUTION CONTROL" TAB OF THE WEBSITE.

(e) A description of post-construction site storm water management program.

POST CONSTRUCTION STORMWATER MANAGEMENT INSPECTIONS & ENFORCEMENT ARE ARE DOCUMENTED IN THE "POST-CONSTRUCTION SITE STORMWATER MANAGEMENT " TAB OF THE WEBSITE.

(f) A description of enforcement actions taken pursuant to the programs implemented under (c), (d), and (e) above and an assessment of the effectiveness of enforcement efforts.

ENFORCEMENT ACTIONS FOR BOTH EROSION CONTROL AND POST-CONSTRUCTION SITE STORMWATER MANAGEMENT ARE DOCUMENTED UNDER THE APPROPRIATE WEBSITE TAB (CONSTRUCTION SITE POLLUTION CONTROL, AND POST-CONSTRUCTION SITE STORM WATER MANAGEMENT".

(g) A description of pollution prevention efforts through the implementation of the municipal operation and maintenance program with an assessment of program effectiveness.

UNDER THE "MUNICIPAL POLLUTION PREVENTION" TAB OF THE WEBSITE DOCUMENTATION ON ALL MADISON'S EFFORTS REGARDING MUNICIPAL POLLUTION REDUCTION PROGRAMS IS COVERED.

Goals

7.1.1 Conduct Annual Review

Description

Conduct an annual review and assessment of the storm water management program in conjunction with preparation of the annual report.

AS DESCRIBED UNDER THE ANNUAL REVIEW - EACH OF THESE ITEMS IS NOW ADDRESSED THROUGHOUT THE WEBSITE. SPECIFIC LOCATIONS OF THESE ITEMS ARE DETAILED UNDER THE "ASSESSMENT OF CONTROLS - ANNUAL REVIEW SUBHEADING".

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
None		

7.2 Year 3 Review

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

In consultation with the Department of Natural Resources, by March 31, 2007, each co-permittee shall perform an overall assessment and baseline analysis of its respective storm water management program to determine if it is on course to meet the performance standard of s. NR 151.13(2)(b)1.b., Wis. Adm. Code. To make this assessment and analysis, a model such as SLAMM, P8 or equivalent methodology that is approved by the Department of Natural Resources may be used. The Department of Natural Resources may waive this requirement for a co-permittee if the Department of Natural Resources determines that the performance standard can be met through the implementation of appropriate best management practices. To qualify for a waiver, the co-permittee shall implement the best management practices by March 10, 2008

THE CITY OF MADISON HAS BEGUN WORK ON THE SLAMM ANALYSIS FOR THE CITY TO SHOW THE 20% REMOVAL OF TSS (COMPARED TO NO CONTROLS) AS REQUIRED BY NR-151. THIS WORK WILL BE COMPLETED IN TIME FOR THE 2006 ANNUAL REPORT (MARCH 31, 2007). A DRAFT COPY OF THE WORK THAT HAS BEEN COMPLETED IS ATTACHED.

Goals

7.2.1 Baseline Analysis

Description

Perform an overall assessment and baseline analysis of the storm water management program using a model such as SLAMM, P8 or equivalent methodology that is approved by the Department of Natural Resources.

THIS DEADLINE HAS BEEN EXTENDED TO AUGUST OF 2007 DUE TO AVAILABILITY OF A REVISED SLAMM MODEL. THE CITY OF MADISON WILL COMPLY WITH DEADLINE AND WILL SHOW THE APPROPRIATE 20% REMOVAL REQUIRED BY OCTOBER 1, 2008.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Complete:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2006	DRAFT OF SLAMM RUNS (MARCH 06) ATTACHED	INITIAL SLAMM RUNS (2005) ARE ATTACHED AS AN EXCEL SPREADSHEET. File Attachment Master Spreadsheet.xls
03/31/2008	SLAMM RUNS THAT SUBMITTED SEPTEMBER 2007 AND APPROVED FOR 20% CONTROL	File Attachment WDNR_LOADING.xls

7.3 Quarterly Co-Permittee Meeting

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Attend and participate in quarterly meetings of the co-permittees. Unless an alternative quarterly date or dates are agreed upon by the co-permittees, the quarterly meetings shall take place the first Thursday of February, May, August, and November of each year.

Goals

7.3.1 Meeting Agenda

Description

Prepare agenda for quarterly meeting.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
03/31/2007	QUARTERLY MEETING AGENDAS 2006 AND EARLIER	QUARTERLY AGENDAS FOR THE MAMSWP GROUP ARE ATTACHED File Attachment AGENDA_11_06.doc File Attachment AGENDA_REVISED_2_1_07.doc File Attachment AGENDA_02_06.doc File Attachment AGENDA_05_06.doc File Attachment AGENDA_08_06.doc File Attachment AGENDA_2_05.doc File Attachment AGENDA_5_05.doc File Attachment AGENDA_11_05.DOC File Attachment AGENDA_2_04.doc File Attachment AGENDA_5_04.doc File Attachment AGENDA_8_04.doc			
03/31/2008	2007 MEETING AGENDAS	File Attachment MINUTES_2_07_IE update.doc File Attachment AGENDA_REVISED_2_1_07.doc File Attachment AGENDA_8_2_07.doc File Attachment AGENDA_11_8_07.doc File Attachment AGENDA_5_3_07.doc			

7.3.2 Meeting Minutes

Description

Record the quarterly meeting minutes and distribute to co-permittees.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2006	QUARTERLY MEETING MINUTES 2006 AND EARLIER	MINUTES OF THE QUARTERLY MAMSWP GROUP ARE ATTACHED.
		File Attachment <u>MINUTES_11_06.DOC</u>
		File Attachment <u>MINUTES_2_07.DOC</u>
		File Attachment <u>MINUTES_2_07_IE update.doc</u>
		File Attachment <u>MINUTES_2_06.doc</u>
		File Attachment <u>MINUTES_8_06.doc</u>
		File Attachment <u>MINUTES_5_06.DOC</u>
		File Attachment <u>MINUTES_5_05.doc</u>
		File Attachment <u>MINUTES_8_05.doc</u>
		File Attachment <u>MINUTES_11_05.doc</u>
		File Attachment <u>MINUTES_2_04.doc</u>
		File Attachment <u>MINUTES_8_04.doc</u>
		File Attachment <u>MINUTES_2_05.doc</u>
<hr/>		
03/31/2008	2007 MEETING MINUTES	
		File Attachment <u>TrainingSummary.doc</u>
		File Attachment <u>USGSrgstudy07.pdf</u>
		File Attachment <u>110807_Minutes.doc</u>
		File Attachment <u>IEupdate.doc</u>
		File Attachment <u>Madison Rain Garden Phase II proposal - FINAL.doc</u>
		File Attachment <u>MINUTES_80207.DOC</u>
		File Attachment <u>raingarden_2007.pdf</u>
		File Attachment <u>080207_IE update.doc</u>
		File Attachment <u>APWA WI NR151 Letter to DNR.pdf</u>
		File Attachment <u>EricHandout.pdf</u>
		File Attachment <u>Minutes2107.doc</u>
		File Attachment <u>070201 IE update.doc</u>
		File Attachment <u>MINUTES_5_3_07.doc</u>

7.4 Annual Report

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Description

Compile and submit the annual report by the due date on behalf of the co-permittees. The City of Madison shall not be responsible for the veracity of another co-permittee's reporting information, nor another co-permittee's missing or incomplete information in the annual report.

Goals

7.4.1 Submit Annual Report

Description

Submit annual report on behalf of the co-permittees.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date

Name

Description

03/31/2005

1st Annual Report

File Attachment [APPENDIX.doc](#)

File Attachment [04AnnualReportForm.doc](#)

File Attachment [erosion_cont.doc](#)

03/31/2007

2nd AND FUTURE ANNUAL REPORTS

THE 2ND ANNUAL REPORT AND ALL FUTURE ANNUAL REPORTS ARE INCLUDED IN THE WEBSITE AND ALL INFORMATION PREVIOUSLY INCLUDED IN THE ANNUAL REPORT IS PROVIDED THROUGHOUT THE WEBSITE.

03/31/2007

ANNUAL REPORTS 3 AND FORWARD ARE COVERED THROUGH USE OF THE SEH WEBSITE REPORTING SYSTEM

8 STORMWATER UTILITY BUDGETS

Responsible Staff / Position

Administrator
608.266.4751

Description

ATTACHED ARE OPERATING AND CAPITOL BUDGETS FOR THE CITY OF MADISON
STORMWATER UTILITY

Best Management Practices

8.1 CAPITAL & OPERATING BUDGETS

Responsible Staff / Position

Administrator
608.266.4751

Required: Yes

Goals

8.1.1 STORM UTILITY CAPITAL BUDGETS

Description

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2006	2006 CAPITAL BUDGET	STORMWATER UTILITY CAPITAL BUDGET IS ATTACHED. File Attachment CIP53s.xls
03/31/2006	2005 CAPITAL BUDGET	STORMWATER UTILITY CAPITAL BUDGET IS ATTACHED. File Attachment CIP53srevised.xls
03/31/2007	2007 CAPITAL BUDGET	File Attachment 2007_STORMUTE_CAPIMPBUD.XLS
03/31/2008	2008 CAPITAL BUDGET	File Attachment CIP53S.XLS

8.1.2 STORM UTILITY OPERATING BUDGETS

Description

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2006	2006 OPERATING BUDGET	2006 OPERATING BUDGET FOR THE STORMWATER UTILITY IS ATTACHED. File Attachment 2006 Stormwater Utility Budget and Rate Structure V2.xls
03/31/2006	2005 OPERATING BUDGET	2005 STORMWATER UTILITY BUDGET IS ATTACHED. File Attachment 2005 Stormwater Utility Budget and Rate Structure V1.xls
03/31/2007	2007 OPERATING BUDGET	File Attachment 2007_STORM_OPERATING_BUDGET.xls

9 PRIOR ANNUAL REPORTS

Responsible Staff / Position

Administrator
608.266.4751

Description

ATTACHED IS THE ANNUAL REPORT FROM 2004 (AND APPENDICIES) AND OTHER PRIOR YEARS.

MUCH OF THE TEXT FOR THIS REPORT DOES NOT CHANGE FROM YEAR TO YEAR AND AS THE WEB BASED REPORTING IS A SOMEWHAT DIFFERENT FORMAT FROM THE ANNUAL REPORT FORMAT BEING USED BY THE OTHER 18 COMMUNITIES. THIS LINK TO OLD DATA IS BEING PROVIDED FOR CONTINUITY.

Best Management Practices

9.1 PRIOR ANNUAL REPORT & APPENDICES

Responsible Staff / Position

Administrator
608.266.4751

Required: No

Annual Reporting Items

NONE AFTER YEAR 2 (2005 AND FORWARD ANNUAL REPORTS WILL BE ON THE WEB BASED FORMAT).

Goals

9.1.1 LINKS TO PRIOR ANNUAL REPORTS

Description

THIS IS NOT A REQUIRED ACTION - REPORTS ARE PROVIDED FOR CONTINUITY AND CLAIRITY.

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
03/31/2004	2003 ANNUAL REPORT	2003 ANNUAL REPORT IS ATTACHED
		File Attachment DNR_PER9.doc
03/31/2006	2004 ANNUAL REPORT	2004 ANNUAL REPORT IS ATTACHED
		File Attachment 04AnnualReportForm.doc
		File Attachment APPENDIX.doc

10 MADISON PUBLICLY OWNED AND MAINTAINED STORMED FACILITIES

Responsible Staff / Position

Administrator
608.266.4751

Description

ONE (1) EXCEL SPREADSHEET (WITH A TAB FOR GREENWAYS AND A SECOND TAB FOR PONDS) IS INCLUDED. THIS SPREADSHEET LISTS ALL THE STORMWATER GREENWAYS (CHANNELS) AND PONDS/INFILTRATION FACILITIES WITHIN THE CITY OF MADISON.

AS WILL BE FURTHER DETAILED THE CITY OF MADISON HAS DIRECT OWNERSHIP OF THESE GREENWAYS AND PONDS OR HAS A PUBLIC EASEMENT OVER THEM. THE EXCEPTION TO THIS RULE ARE PONDS OWNED BY OTHER GOVERNMENTAL AGENCIES (WDOT/UW).

Best Management Practices

10.2 STORMWATER BASINS & GREENWAYS

Responsible Staff / Position

Administrator
608.266.4751

Required: No

Description

ATTACHED IS A SPREADSHEET DETAILING THE NUMBER AND LOCATION OF GREENWAYS AND PONDS FOR 2005 IN THE CITY OF MADISON.

Annual Reporting Items

UPDATED ANNUALLY

Goals

10.2.1 DATABASE OF PONDS & GREENWAYS

Description

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date

Name

Description

03/31/2006

2005 DETAILED LISTING OF PONDS AND POND FUNCTIONS

THIS SPREADSHEET DOCUMENTS THE DESIGN FEATURES OF THE PONDS IN THE CITY OF MADISON. AS MANY OF THESE PONDS WERE DESIGNED AND CONSTRUCTED PRIOR TO DATABASE SYSTEMS, MANY FIELDS ARE NOT POPULATED. IT IS THE INTENT OF THE CITY TO WORK BACKWARD AS TIME ALLOWS TO FILL IN THE BLANKS ON THIS SPREADSHEET.

File Attachment [PondsGWsDetails.xls](#)

03/31/2006

2005 LISTING OF ALL PONDS & GREENWAYS ACCEPTING PUBLIC WATER.

FOR 2005 THERE ARE 166 RETENTION/DETENTION BASINS IN THE CITY OF MADISON THAT ACCEPT PUBLIC WATER. OF THESE 25 ARE OWNED AND OPERATED BY OTHER MUNICIPALITIES (UW-12, DANE COUNTY-5, WDOT-6, FITCHBURG-1, MIDDLETON -1. THE REMAINING 25 ARE ON PRIVATE PROPERTY (WITH A PUBLIC EASEMENT) AND ARE MAINTAINED PRIVATELY. THESE PONDS COVER OVER 802 ACRES.

FOR 2005 THERE ARE 166 GREENWAYS THAT CONVEY PUBLIC STORM WATER. THESE

GREENWAYS MAKE UP 575 ACRES OF LAND WITHIN THE CITY OF MADISON. THE CITY HAS OWNERSHIP OF 144 OF THE GREENWAYS AND HAS EASEMENTS OVER THE REMAINING 22. THE 22 WHICH THE CITY DOES NOT OWN ARE PRIVATELY MAINTAINED TO A MORE INTENSIVE STANDARD THAT CITY BUDGETS ALLOW.

File Attachment [Ponds_Greenways_05.xls](#)

03/31/2007	2006 DETAILED LISTING OF PONDS & GREENWAYS	THE 2005 SEPARATE REPORTS HAVE BEEN COMBINED INTO ON REPORT GOING FORWARD
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File Attachment [2006_EPA_Annual_Report_Randy.xls](#)

03/31/2008	2007 DETAILED LISTING OF PONDS AND GREENWAYS
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File Attachment [2007 EPA.xls](#)

11 MAPPING DATA

Responsible Staff / Position

Administrator
608.266.4751

Description

Best Management Practices

11.1 MAMSWP - ANNUALLY UPDATED MAPS

Responsible Staff / Position

Stormwater Management Specialist
(608) 266-4059

Required: Yes

Goals

11.1.1 MAP UPDATES

Description

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Activity Date	Name	Description			
03/31/2006	2005 UPDATED MAPS IN PDF FORM	2005 UPDATED WATERSHED MAP IS ATTACHED. <i>SSSM2005.pdf</i>			
		File Attachment			
03/31/2007	2006 UPDATED MAPS IN PDF FORM	File Attachment	<i>MapLayout.pdf</i>		
		File Attachment	<i>0809.pdf</i>		
		File Attachment	<i>0810+.pdf</i>		
		File Attachment	<i>0910.pdf</i>		
		File Attachment	<i>0708.pdf</i>		
		File Attachment	<i>0709.pdf</i>		
		File Attachment	<i>0710+.pdf</i>		
		File Attachment	<i>0608.pdf</i>		
		File Attachment	<i>0609.pdf</i>		
03/31/2008	2007 UPDATED MAPS IN PDF FORM				

12 CLEAN LAKES AND BEACHES PLAN

Responsible Staff / Position

Stormwater Management Specialist
(608) 266-4059

Description

THE CLEAN LAKES AND BEACHES PLAN SUMMARIZES THE EFFORTS OF THE CITY WITH REGARD TO ALL WATER QUALITY EFFORTS IN THE CITY.

THIS PLAN WAS ADOPTED IN 2005 AND WILL BE UPDATED ANNUALLY.

Best Management Practices

12.1 CLEAN LAKES AND BEACHES PLAN

Responsible Staff / Position

Stormwater Management Specialist
(608) 266-4059

Required: No

Description

A COPY OF THE CLEAN LAKES AND BEACHES PLAN AND ANNUAL UPDATES ARE ATTACHED.

Goals

12.1.1 CLEAN LAKES AND BEACHES PLAN AND ANNUAL REPORTS

Description

	Year 1	Year 2	Year 3	Year 4	Year 5
Planned Activity:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Complete:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Activity Date	Name	Description
12/31/2005	2005- CLEAN LAKES AND BEACHES PLAN (ADOPTED 2005) File Attachment	A COPY OF THE ADOPTED CLEAN LAKES AND BEACHES PLAN IS ATTACHED. CleanLakes_FinalReport_2005-2006.pdf
03/31/2007	2006 CLEAN LAKES AND BEACHES - ANNUAL REPORT	
03/31/2008	2007 - CLEAN LAKES AND BEACHES ANNUAL REPORT File Attachment	DOCUMENT IS ATTACHED Cleanlakes_2007_UpdateWaterPlan.pdf
