

## **Storm Water Management Program**

**April 01, 2011 To March 31, 2013**

This program consists of the following 13 Minimum Control Measure(s).

1. Public Education and Outreach
2. Public Participation/Involvement
3. Illicit Discharge Detection and Elimination (IDDE) Program
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. Publicly-owned & Maintained Storm Facilities
11. Watershed Map
12. Water Quality Reports by City Engineering
13. Stormwater Monitoring Program (not active)

## **1 Public Education and Outreach**

**Responsible Staff / Position:** Greg Fries  
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

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### 1.1 Storm Water Management Education and Outreach Position

**Responsible Staff / Position:** Greg Fries  
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

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##### 1.1.1 Annual Financial Support

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### 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 POSITION WITH THE COUNTY ACTING AS THE BANK FOR THE I&E POSITION

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name
03/29/2012	2011 PAYMENTS FOR I&E

#### Description

File Attachment [2011\\_PAYMENTS\\_I&E.pdf](#)

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03/12/2013	2012 PAYMENTS FOR I&E
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#### Description

File Attachment [1a\\_ESTM\\_Memberships2012\\_SDR.pdf](#)

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## 1.2 Joint Storm Water Permit Group Information and Education Plan

**Responsible Staff / Position:** Greg Fries  
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

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#### 1.2.1 Develop Annual Work Plan

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### 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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name
12/31/2011	2012 I&E WORK PLAN

### Description

File Attachment [12\\_workplan\\_FINAL.pdf](#)

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03/12/2013	2011-12 I&E SUMMARY
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### Description

File Attachment [1b\\_IEdsummary.pdf](#)

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### 1.3 Facilitate Information and Education Plan

**Responsible Staff / Position:** Greg Fries  
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

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##### 1.3.1 Track and Record Information Requested from City of Madison

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

#### Description

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

Summaries for 2011 onward are included under "City Led Information and Education Efforts"

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name	Description
None		

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## 1.4 Distribute Public Information Education & Outreach Materials and Document City

**Responsible Staff / Position:** Greg Fries  
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

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#### 1.4.1 Track and Record Materials & Donations

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### 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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name
03/29/2012	2011 Distribution of Funds

### Description

File Attachment [2011 PAYMENTS I&E.pdf](#)

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03/12/2013	2012 Distribution of Funds
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### Description

File Attachment [1a\\_ESTM\\_Memberships2012\\_SDR.pdf](#)

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**1.4.2 Link Co-Permittee Websites**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**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>

**Planned:** Year 1 Year 2 Year 3

**Complete:** Year 1 Year 2 Year 3

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

## 1.5 CITY LED INFORMATION AND EDUCATION EFFORTS

**Responsible Staff / Position:** Greg Fries  
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

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#### 1.5.1 2006 I&E EFFORTS

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### Description

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

Activity Date	Name	Description
None		

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#### 1.5.2 2007 I&E EFFORTS

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### Description

DOCUMENT EFFORTS IN 07

Activity Date	Name	Description
None		

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#### 1.5.3 2008 I&E EFFORTS

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### Description



Activity Date	Name	Description
None		

**1.5.4 2009 I&E EFFORTS**

**Responsible Staff / Position:** Greg Fries  
 Administrator  
 608.266.4751

**Description**

Activity Date	Name	Description
None		

**1.5.5 2010 I&E EFFORTS**

**Responsible Staff / Position:** Greg Fries  
 Administrator  
 608.266.4751

**Description**

Activity Date	Name	Description
None		

**1.5.6 2011-12 I&E EFFORTS**

**Responsible Staff / Position:** Genesis Steinhorst  
 Stormwater Management Specialist  
 (608) 266-4059

**Description**

Activity Date	Name
03/12/2013	2012 Public Education Efforts - Summary

**Description**

File Attachment [1c\\_PublicEducationandOutreach.pdf](#)

## 2 Public Participation/Involvement

**Responsible Staff / Position:** Greg Fries  
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**

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### **2.1 Governing Board/City Council Meeting**

**Responsible Staff / Position:** Greg Fries  
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**

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##### **2.1.1 Submit Annual Report as Agenda Item**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

<b>Activity Date</b>	<b>Name</b>
03/28/2013	RESOLUTION APPROVING THE 2011 & 2012 ANNUAL REPORT

#### **Description**

This Resolution will be introduced at the Board of Public Works on 4/17/13, and should be approved at Common Council on 4/22/13.

File Attachment [2013\\_RESO\\_APPROVAL.pdf](#)

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##### **2.1.2 Track and Record Information & Education Requests**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **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.

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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 Institute 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 Chancellors 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, beyond what was already available. We have honored those requests and provided that information in a timely manner.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

<b>Activity Date</b>	<b>Name</b>	<b>Description</b>
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None		
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## 2.2 COMMITTEE ON THE ENVIRONMENT

**Responsible Staff / Position:** Greg Fries  
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

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#### 2.2.1 COE MEETING MINUTES

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

### Description

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

**Activity Date**                      **Name**

01/02/2012                      2011

### Description

File Attachment [2011\\_COE\\_Minutes.pdf](#)

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03/12/2013                      2012

### Description

File Attachment [2b\\_2012\\_COE\\_Minutes.pdf](#)

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## 2.3 SOLID WASTE WATER QUALITY STAFF MEETING MINUTES

**Responsible Staff / Position:** Genesis Steinhorst  
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

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#### 2.3.1 MEETING MINUTES

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

### Description

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name
02/06/2012	2011 Meeting Minutes

### Description

File Attachment [2011\\_SWWQ\\_Minutes.pdf](#)

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03/12/2013	2012 Meeting Minutes
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### Description

File Attachment [2c\\_2012SolidWasteWaterQualityMinutes.pdf](#)

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### 3 Illicit Discharge Detection and Elimination (IDDE) Program

**Responsible Staff / Position:** Greg Fries  
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

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### 3.1 Maintain and Improve Existing IDDE Program

**Responsible Staff / Position:** Greg Fries  
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

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##### 3.1.1 Maintain Existing Program

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### 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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name	Description
None		

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##### 3.1.2 Annual Program Review/Report

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### 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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

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

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### 3.1.3 Track and Record Illicit Discharges and Field Screening

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### 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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

<b>Activity Date</b>	<b>Name</b>
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03/29/2012 2011 Complaint Files

#### Description

The EPU (Environmental Protection Unit) investigates citizen complaints and referrals from other City and County Departments and outside agencies regarding illicit discharges and spills of potentially polluting substances. Complaints involving individual citizens focus on education in proper disposal practices and environmental consequences if they are not used. Referral of individuals for prosecution is generally reserved for repeat violations or in cases where the offense is so egregious that it warrants a fine.

When a business is involved in a complaint, it is handled differently due to a greater potential for repeat violations. While an individual homeowner may commit a violation once during a home remodeling project, a contractor involved in repairs may continually violate if they do not use or understand Best Management Practices or follow the proper disposal procedures.

File Attachment [2011ComplaintFiles.pdf](#)

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03/29/2012 2011 Warning Letters

#### Description

Prior to the spring season, area seal coat contractors were sent a warning letter outlining the restriction in Dane County (see attachment). There were no cases of coal tar sales or application in the city in 2011.

A preseason reminder regarding the restrictions placed on the sale of phosphorus containing fertilizers was also sent to area fertilizer retailers. There were no complaints of illegal fertilizer sales this year.

File Attachment [Eng B WarningLetters.pdf](#)

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03/29/2012 2011 Monitoring Records

#### Description

Grab samples were taken monthly from ten outfalls into Lake Monona, Lake Mendota, and Dunn's Marsh. In 2011, 106 outfall samples were collected and analyzed for metals, general indicators, and nutrients.

03/29/2012 2011 IDDE Program

**Description**

The IDDE program will survey all 590 major outfalls in the city on a four year rotation. City of Madison Engineering surveys one quarter of the outfalls once each year. They notify the Health Department whenever standing or flowing water is found.

For 2011, Madison Engineering staff surveyed 147 storm sewer structures.

File Attachment [Eng D IDDE.pdf](#)

03/12/2013 2012 IDDE Program

**Description**

File Attachment [3aiii PH Appendix D2012.pdf](#)

03/12/2013 2012 Warning Letters

**Description**

File Attachment [3aiii PH AppendixB2012.pdf](#)

03/12/2013 2012 Summary

**Description**

File Attachment [3aiii PH 2012Eng Sum.pdf](#)

**3.1.4 Illicit Discharge Response Management**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name
03/29/2012	2011 Track and Record Incidents

**Description**

File Attachment [2011Summary.pdf](#)

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03/12/2013      2012 Monitoring Data

**Description**

File Attachment [3aiv PH Appendix C2012.pdf](#)

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03/13/2013      2012 Track and Record Incidents

**Description**

File Attachment [3aiv PH AppendixA2012 Redacted.pdf](#)

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### 3.3 Legal Opinion/Deficiencies

**Responsible Staff / Position:** Greg Fries  
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**

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##### **3.3.1 Submit Legal Opinion to DNR**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **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.

**Planned:** Year 1

**Complete:** Year 1

<b>Activity Date</b>	<b>Name</b>	<b>Description</b>
<hr/>		
None		
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**3.3.2 Rectify Deficiencies**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**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.

**Planned:** Year 1

**Complete:** Year 1

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

### 3.5 Joint Effort with WisDOT on Pollution Control

**Responsible Staff / Position:** Greg Fries  
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**

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##### **3.5.1 Initiate Discussions with WisDOT (2004)**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **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.

**Planned:** Year 1

**Complete:** Year 1

Activity Date	Name	Description
None		

**3.5.2 Enter into WisDOT Agreement (2005)**

**Responsible Staff / Position:** Greg Fries  
 Administrator  
 608.266.4751

**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.

**Planned:** Year 1

**Complete:** Year 1

Activity Date	Name	Description
None		



## 4 Construction Site Pollution Control

**Responsible Staff / Position:** Greg Fries  
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**

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### **4.1 Construction Site Pollution Control Program**

**Responsible Staff / Position:** Greg Fries  
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**

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##### **4.1.4 Continued Implementation of Existing Program**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

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

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#### 4.1.5 Annual Program Review

**Responsible Staff / Position:**

Greg Fries  
Administrator  
608.266.4751

**Description**

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

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

**Activity Date**

**Name**

04/02/2012 2011 Building Inspection Report

**Description**

Permits issued for new construction in 2011 by Building Inspection

File Attachment [2011PermitsNewConstruction.pdf](#)

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03/12/2013 2012 Building Inspection Reports

**Description**

# Houses built

# Fines/fees

File Attachment [4aii\\_BuildingInspection\\_NoBuilds.pdf](#)

File Attachment [4aii\\_RE\\_2012EPA annual report\\_BI.pdf](#)

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03/12/2013 2011 EC Inspection Summary Report

**Description**

File Attachment [4biii\\_2011 PermiTrack EC Inspection Summary.pdf](#)

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03/12/2013 2012 EC Inspection Summary Report

**Description**

File Attachment [4biii\\_2012 PermiTrack EC Inspection Summary.pdf](#)

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## 4.2 Construction Site Inspection Program

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**Required** Yes

### Description

Procedures for inspecting construction sites and enforcing erosion control standards.

### Goals

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#### 4.2.1 Track and Record Inspections (not active)

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### Description

Track and record all construction site inspections performed.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2

Activity Date	Name	Description
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None

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#### 4.2.2 Track and Record Enforcement Actions (active)

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### Description

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

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name	Description
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None

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#### 4.2.3 Count Construction Site Permit Applications

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### 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.

---

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

<b>Activity Date</b>	<b>Name</b>
03/12/2013	2011 & 2012 Erosion Control Activities

**Description**

File Attachment [4bii\\_2011\\_12\\_ECNotices.pdf](#)

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## 5 Post-Construction Site Storm Water Management

**Responsible Staff / Position:** Greg Fries  
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

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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

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### 5.1 Post-Construction Site Storm Water Management Program

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**Required** Yes

#### Description

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

#### Goals

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##### 5.1.4 Continue Implementation of Existing Program

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### 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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name	Description
None		

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##### 5.1.5 Annual Program Review

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

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

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2

Activity Date	Name	Description
None		

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## 5.2 Post-Construction Site Inspection Program

**Responsible Staff / Position:** Greg Fries  
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

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#### 5.2.1 Track and Record Inspections

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### Description

Track and record post-construction site inspections.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name
03/12/2013	See Tracking Website

### Description

<http://www.cityofmadison.com/engineering/erosionControl.cfm>

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#### 5.2.2 Track and Record Enforcement Actions

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### Description

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

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name	Description
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None

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### 5.2.3 ANNUAL PRIVATE SITES HAVING AN INSPECTION REQUIREMENTS

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

The City of Madison now requires that owners of sites with private storm water management practices complete an annual inspection of those facilities and provide that report to City Engineering.

These annual reports began with sites that had a private maintenance agreement recorded against the parcel as part of the condition of development. In 2011 the program was expanded to include all parcels that have a practice on their site. This was accomplished by an ordinance change requiring this annual inspection regardless of whether a separate recorded maintenance agreement was recorded.

Activity Date	Name
03/12/2013	2012 - Completed Sites w/ Reporting Requirements

#### Description

All sites require annual reporting of BMP inspections.

File Attachment [rptCompletedSitesPracticesInstalled.pdf](#)

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### 5.2.4 ANNUAL PRIVATE SITES HAVING A REQUIRED PRACTICE THAT IS NOT YET INSTALLED

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

Activity Date	Name
03/12/2013	2012 - Practices Not Installed

#### Description

File Attachment [rptParcelPracticeTreatment.pdf](#)

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### 5.3 Badger Mill Creek Watershed

**Responsible Staff / Position:** Greg Fries  
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**

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**5.3.1 Track and Record Activities**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**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.

Activity Date	Name	Description
None		

## 6 Municipal Pollution Prevention

**Responsible Staff / Position:** Greg Fries  
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**

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**6.1 Develop Municipal Pollution Prevention Program**

**Responsible Staff / Position:** Greg Fries  
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**

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**6.1.5 Annual Program Review**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

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

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## 6.2 Private Yard Waste Management

**Responsible Staff / Position:** Greg Fries  
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

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#### 6.2.1 Distribute Flyers

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### 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)  
<http://webapp.cityofmadison.com/streets/index.html>

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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

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

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### 6.2.2 LEAVES AND YARD WASTE COLLECTED

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **Description**

Document the estimated amount of leaves collected.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

<b>Activity Date</b>	<b>Name</b>
04/02/2012	2011 Yard Waste and Leaf Collection

#### **Description**

File Attachment [YardWasteLeafCollection.pdf](#)

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### 6.3 Street Sweeping - annual reports and study results

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**Required** Yes

#### **Description**

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

#### **Goals**

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##### **6.3.1 Track and Record Street Sweeping Activities**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **Description**

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

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

<b>Activity Date</b>	<b>Name</b>
04/02/2012	2011 Street Sweeping

#### **Description**

File Attachment [YardWasteLeafCollection.pdf](#)

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03/28/2013	2012 Sweeping/Yard Waste/etc
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#### **Description**

File Attachment [2012StreetsReport.pdf](#)

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## 6.4 Roadway De-Icing

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**Required** Yes

### Description

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

### Goals

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#### 6.4.1 Track and Record Roadway De-Icing Activities

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### Description

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

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name
12/31/2011	2011 SALT USE REPORT

### Description

File Attachment [RoadSaltReport2011.pdf](#)

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03/12/2013 2012 Road Salt Report

### Description

File Attachment [6d\\_RoadSaltReport2012.pdf](#)

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#### 6.4.2 Salt Storage Procedures

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### 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

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**Planned:** Year 1

**Complete:** Year 1

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

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## 6.5 Facilities Management

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**Required** Yes

### Description

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

### Goals

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#### 6.5.1 Municipal Garage Procedures

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### 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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

Activity Date	Name	Description
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None

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#### 6.5.2 Public Works Facility Procedures

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### 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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

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

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### 6.5.3 Municipal Storage Areas

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

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

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### 6.5.4 Lawn and Garden Fertilizer Procedures

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **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.

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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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

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

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#### **6.5.5 Pesticide/Herbicide Procedures**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

<b>Activity Date</b>	<b>Name</b>
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03/28/2013	2012 Integrated Pest Management Report
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#### **Description**

Pesticide Applications for 2012  
City Facilities Maintained by Engineering

File Attachment [2012 Integrated Pest Management Report.pdf](#)

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#### **6.5.6 Mosquito Control**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **Description**

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

**Planned:** Year 1 Year 2 Year 3 Year 4

**Complete:** Year 1 Year 2 Year 3 Year 4

<b>Activity Date</b>	<b>Name</b>
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03/01/2012	2011 Mosquito Report
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#### **Description**

File Attachment [2011MosquitoReport.pdf](#)

File Attachment [DaneCountyWNV\\_report\\_2011.pdf](#)

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03/12/2013

2012 Mosquito Report

**Description**

File Attachment [6evi\\_2012MosquitoReport.pdf](#)

File Attachment [6evi\\_DaneCountyWNV\\_report\\_2012.pdf](#)

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## 6.6 Developed Urban Area Performance Standard

**Responsible Staff / Position:** Greg Fries  
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 MANagements 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 ANTICIPATED 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**

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**6.6.1 Performance Standard Compliance**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

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

## 6.7 Clean Sweep Program

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**Required** Yes

### Annual Reporting Items ANNUAL CLEAN SWEEP REPORT

#### Goals

---

#### 6.7.1 CLEAN SWEEP ANNUAL REPORTS

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name
03/01/2012	2011 CLEAN SWEEP REPORT

#### Description

File Attachment [2011CleanSweepReport.pdf](#)

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03/28/2013	2012 Clean Sweep Report (draft)
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#### Description

File Attachment [2012CleanSweepReport.pdf](#)

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## 6.8 Catchbasin Cleaning

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**Required** Yes

### Annual Reporting Items

NUMBER OF STRUCTURES CLEANED AND AMOUNT OF DEBRIS REMOVED

#### Goals

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#### 6.8.1 ANNUAL REPORT ON CATCHBASIN CLEANING

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name
04/02/2012	2011 Catchbasin Cleaning Report

#### Description

File Attachment [CBcleaning.pdf](#)

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03/12/2013	2012 Catchbasin Cleaning Report
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#### Description

File Attachment [2012CatchbasinCleaningReport.pdf](#)

#### 6.8.2 2009 CATCHBASIN CLEANING PROPOSAL

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

**Planned:** Year 5

**Complete:** Year 5

Activity Date	Name	Description
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None		
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**6.8.3 STORM CLEANING REPORT**

**Responsible Staff / Position:**

Greg Fries  
Administrator  
608.266.4751

**Description**

**Planned:** Year 5

**Complete:** Year 5

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

## **7 Assessment of Controls**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**Description**

## **Best Management Practices**

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### **7.1 Annual Review**

**Responsible Staff / Position:** Greg Fries  
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.

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**Goals**

**7.1.1 Conduct Annual Review**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**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".

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

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

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## 7.2 Year 3 Review

**Responsible Staff / Position:** Greg Fries  
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

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#### 7.2.1 Baseline Analysis

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### 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.

**Planned:** Year 3 Year 4

**Complete:** Year 3 Year 4

Activity Date	Name	Description
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None

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### 7.3 Quarterly Co-Permittee Meeting

**Responsible Staff / Position:** Greg Fries  
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

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##### 7.3.1 Meeting Agenda

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

Prepare agenda for quarterly meeting.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

Activity Date	Name	Description
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None

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##### 7.3.2 Meeting Minutes

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

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

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

Activity Date	Name	Description
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None

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## 7.4 Annual Report

**Responsible Staff / Position:** Greg Fries  
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

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#### 7.4.1 Submit Annual Report

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### Description

Submit annual report on behalf of the co-permittees.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

Activity Date	Name	Description
None		

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## **8 Stormwater Utility Budgets**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

### **Description**

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

## Best Management Practices

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### 8.1 CAPITAL & OPERATING BUDGETS

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

**Required** Yes

#### Goals

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#### 8.1.1 STORM UTILITY CAPITAL BUDGETS

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

Activity Date	Name
04/02/2012	2012 Capital Budget

#### Description

File Attachment [StormUtility\\_CapBudget.pdf](#)

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#### 8.1.2 STORM UTILITY OPERATING BUDGETS

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4

Activity Date	Name
04/02/2012	2012 Operating Budget

#### Description

File Attachment [StormUtility\\_OperBudget.pdf](#)

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## **9 Prior Annual Reports**

**Responsible Staff / Position:** Greg Fries  
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**

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### **9.1 PRIOR ANNUAL REPORT & APPENDICES (1996-2004)**

**Responsible Staff / Position:** Greg Fries  
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**

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##### **9.1.1 LINKS TO PRIOR ANNUAL REPORTS**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **Description**

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

**Planned:** Year 2 Year 5

**Complete:**

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

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## **10 Publicly-owned & Maintained Storm Facilities**

**Responsible Staff / Position:** Greg Fries  
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

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### 10.2 STORMWATER BASINS & GREENWAYS

**Responsible Staff / Position:** Greg Fries  
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

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### Description

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name
04/02/2012	2011 Ponds & Greenways

#### Description

List of city-owned ponds & greenways and major outfall basin

File Attachment [Ponds2011.xlsx](#)

File Attachment [Greenways2011.xlsx](#)

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03/12/2013	2012 Ponds & Greenways
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#### Description

File Attachment [10a\\_Ponds.pdf](#)

File Attachment [10a\\_Greenways.pdf](#)

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## 11 Watershed Map

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

### **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.

## Best Management Practices

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### 11.1 MAMSWaP - ANNUALLY UPDATED MAPS

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

**Required** Yes

#### 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

#### Goals

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##### 11.1.1 Collect Co-Permittee Maps

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

#### 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

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name	Description
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None

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##### 11.1.2 Storm Sewer System Map Updates

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

#### Description

Bi-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 BI-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

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REQUEST.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

<b>Activity Date</b>	<b>Name</b>
03/12/2013	2012 Watershed Map

**Description**

File Attachment [2012MapUpdates.pdf](#)

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## 11.2 Citywide Rain Garden Map

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

**Required No**

### Description

We have been mapping locations of rain gardens in the City of Madison since 2005. The purpose is to encourage others to install them on their own property by showing it is not an uncommon practice. Our goal is to have 1000 rain gardens.

### Goals

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#### 11.2.1 Current Rain Garden Map

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

### Description

Activity Date	Name
02/24/2012	Rain Garden Map, 2011

### Description

Last updated 2/24/12 by gms

File Attachment [map\\_020812.pdf](#)

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03/12/2013	2012 Rain Garden Map
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### Description

File Attachment [map\\_031213.pdf](#)

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## **12 Water Quality Reports by City Engineering**

**Responsible Staff / Position:** Genesis Steinhorst  
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.

FOR 2010 THE CLEAN LAKES AND BEACHES REPORT HAS BEEN REPLACED WITH THE STORMWATER UTILITY REPORT.

In 2011, quarterly newsletters replaced the annual report and are widely distributed.

**Best Management Practices**

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**12.1 CLEAN LAKES AND BEACHES PLAN (2005-2008)**

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

**Required No**

**Description**

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

**Goals**

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**12.1.1 CLEAN LAKES AND BEACHES PLAN AND ANNUAL REPORTS**

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

**Description**

**Planned:** Year 2 Year 3 Year 4 Year 5

**Complete:** Year 2 Year 3 Year 4 Year 5

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

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## 12.2 STORMWATER UTILITY REPORT (2010)

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

**Required No**

### Goals

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#### 12.2.1 STORMWATER UTILITY ANNUAL REPORT

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

### Description

Activity Date	Name	Description
None		

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### 12.3 Water Ways, Stormwater Utility Newsletter (2011+)

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

**Required No**

#### Description

This quarterly newsletter is intended to be a basis for understanding the mission and goals of the stormwater utility and provides a baseline understanding for the current activities within the purview of the City of Madison Stormwater Utility. Our intention is to provide information on new projects and issues as well as relevant updates to existing projects.

#### Goals

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##### 12.3.1 Quarterly Newsletters

**Responsible Staff / Position:** Genesis Steinhorst  
Stormwater Management Specialist  
(608) 266-4059

#### Description

**Planned:** Year 5

**Complete:**

Activity Date	Name
06/01/2011	2011 Newsletters

#### Description

First Issue, June 2011

File Attachment [SWU\\_Newsletter061411.pdf](#)

File Attachment [NewsletterSEP2011.pdf](#)

File Attachment [NewsletterDEC2011.pdf](#)

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03/01/2012	2012 Newsletters
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#### Description

File Attachment [12c\\_SWU\\_Newsletter\\_Spring2012.pdf](#)

File Attachment [12c\\_SWU\\_Newsletter\\_Summer2012.pdf](#)

File Attachment [12c\\_SWU\\_Newsletter\\_Winter2013.pdf](#)

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### **13 Stormwater Monitoring Program (not active)**

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **Description**

Prior permits included a required stormwater monitoring component. The MAMSWaP Group worked with USGS to monitor effectiveness of rain gardens at two locations. This work was concluded in 2008.

## Best Management Practices

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### 13.3 Rain Garden Monitoring with USGS (2003-2008)

**Responsible Staff / Position:** Greg Fries  
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

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##### 13.3.1 Annual Financial Contribution

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### 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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

Activity Date	Name	Description
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None

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##### 13.3.2 Disseminate Monitoring Results

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### 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>

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**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

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

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### 13.3.3 Submit Rain Garden Study Methodologies and Procedures

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **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.

**Planned:** Year 1

**Complete:** Year 1

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

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### 13.3.4 Rain Garden Study

**Responsible Staff / Position:** Greg Fries  
Administrator  
608.266.4751

#### **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 they 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.

**Planned:** Year 1 Year 2 Year 3 Year 4 Year 5

**Complete:** Year 1 Year 2 Year 3 Year 4 Year 5

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

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