

City of Menasha, WI

City of Menasha, WI - Citywide Stormwater Management Program

January 01, 2010 To December 31, 2010

This program consists of the following 9 Minimum Control Measure(s).

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Pollutant Control
5. Post-Construction Storm Water Management
6. Pollution Prevention
7. Storm Water Quality Management
8. Storm Sewer System Map
9. Annual Report and Storm Water Management Program Funding

1 Public Education and Outreach

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

To satisfy this minimum control measure, the permittee shall implement a public education and outreach program to increase the awareness of storm water pollution impacts on waters of the state to encourage changes in public behavior to reduce such impacts. The program shall establish measurable goals and, at a minimum, include the following elements:

1. Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.
2. Inform and educate the public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices.
3. Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.
4. Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.
5. Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks.
6. Inform and where appropriate educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices.
7. Identify businesses and activities that may pose a storm water contamination concern, and where appropriate, educate specific audiences on methods of storm water pollution prevention.
8. Promote environmentally sensitive land development designs by developers and designers.

Best Management Practices

1.1 Promote Illicit Discharge Detection

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.

Justification

Public awareness of illicit discharges and their prospective impacts along with education on how to report potential illicit discharges substantially increases the opportunity to quickly identify and eliminate them.

Goals

1.1.2 Publish IDDE Response Advisory in city newsletter and/or website

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Prepare and publish information annually in city newsletter and/or city website advising people on how to respond to apparent spills or illicit discharges.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
03/31/2010	Newsletter Article (2010)

Description

Published spring newsletter article regarding IDDE.

File Attachment [IDDE.doc](#)

1.1.2 Create and distribute IDDE Response brochure

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Create IDDE Response brochure and link to it on the city website. Make copies available at the city garage, library, police department, health department and city hall.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
12/15/2010	Coordinate with Health Department to design IDDE educational program (2010)

Description

Coordinate with city Sanitarian/Sealer of Weights and Measures to develop process for distribution of IDDE educational materials at time of inspection.

1.2 Public Pollution Prevention Education

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Inform and educate the public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices.

Justification

Informing the public of the potential pollution impacts of their activities together with the information they need to make educated decisions on alternative behaviors or actions will improve responsible actions.

Goals

1.2.1 Create and distribute pet waste brochure

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Create and distribute a pet waste brochure containing information for pet owners on pet waste hazards and environmental consequences. Brochure to be distributed annually with pet licenses.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
09/01/2010	Pet Waste Brochure (2010)

Description

Brochure completed and copies given to the Finance Department to be distributed with each dog license.

File Attachment [Pet Waste Brochure.pdf](#)

1.2.2 Publish Public Pollution Prevention educational article in city newsletter and/or city website

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

At least annually, publish an article in the city newsletter and/or city website relating to one or more aspects of pollution prevention.

Planned: 2008 2009 2010 2011 2012

Complete: 2008 2009 2010

Activity Date	Name
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01/01/2010 Website Article (2010)

Description

Published educational articles on city's website on both Public Works and Community Development web pages.

File Attachment [Web_PW_Stormwater Resident Action.mht](#)

03/31/2010 Newsletter Article (2010)

Description

Published article in spring 2009 city newsletter that included educational information on preventing stormwater runoff pollution.

File Attachment [Newsletter Article Spring 2010.doc](#)

1.2.3 Participate in Annual Urban Clean Sweep Program

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Promote community participation in the annual urban Clean Sweep program sponsored by Outagamie, Winnebago and Calumet Counties by advertising the event on the city website and/or the city newsletter. Participate in the event by sending at least one staff member to staff the event.

Planned: 2006 2007 2008 2009 2010 2011 2012

Complete: 2006 2007 2008 2009 2010

Activity Date **Name**

04/23/2010 Clean Sweep (2010)

Description

File Attachment [Newsletter 2010_Spring Regional Clean Sweep.doc](#)

1.3 Leaf Management and Lawn Care

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Provide information and education to promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.

Goals

1.3.1 Publish articles in city newsletter and/or city website

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

At least annually, publish leaf management and lawn care article(s) in the city's newsletter (which is distributed to every household in Menasha) and the city's website.

Planned: 2008 2009 2010 2011 2012

Complete: 2008 2009

Activity Date	Name
01/01/2010	Website Article (2010)

Description

Published educational articles relating to leaf management and lawn care on city's website on both Public Works and Community Development web pages.

File Attachment [Web_CDD_Lawncare1.pdf](#)

File Attachment [Web_CDD_Lawncare2.pdf](#)

File Attachment [Web_CDD_Lawncare3.pdf](#)

File Attachment [Web_PW_Stormwater Resident Action.mht](#)

03/15/2010	Newsletter Article (2010)
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Description

Published "Lawn Care Tips for a Healthy Environment" article in city spring newsletter which is distributed to every address in the City of Menasha.

File Attachment [Newsletter Article Spring 2010.doc](#)

09/15/2010	Newsletter Article (2010)
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Description

Published "Leaf Collection and Disposal" article in the fall city newsletter which is distributed to every address in the city.

File Attachment [Newsletter_Fall 2010_Leaf Collection and Disposal.doc](#)

1.3.2 Create and distribute a Leaf Management and Lawn Care brochure

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Utilizing information from NEWSC and UW-Extension, create a leaf management and lawn care brochure to be distributed at the city garage, library, and city hall. This should be done at least annually in the summer/fall seasons.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
09/01/2010	Leaf and Lawn Brochures (2010)

Description

Created and distributed leaf collection brochure at city hall and community expos.

File Attachment [NEWSC Leaf Collection.pdf](#)

File Attachment [NEWSC Healthy Lawn.pdf](#)

1.3.3 Participate in NEWSC Phosphorus Education Campaign

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

The city will participate in the NEWSC Phosphorus Education Campaign to promote residential yard care behaviors to reduce the phosphorus in our area waters. The campaign included multiple media venues, including television, radio, billboards, and even displays.

Planned: 2008 2009 2010

Complete: 2008 2009 2010

Activity Date	Name
12/31/2010	NEWSC Phosphorus Education Campaign (2010)

Description

As a NEWSC member and member of the NEWSC Information and Education Committee, the City of Menasha participated in the phosphorus education campaign.

1.4 Streambank and Shoreline Management

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.

Goals

1.4.1 Promote the Winnebago County Shoreline Expo

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Promote the Winnebago County Shoreline Expo by publishing the press release and message on the city website's main page and/or the city newsletter.

Planned: 2008 2009

Complete: 2008

Activity Date	Name	Description
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None

1.4.2 Distribute educational materials to riparian properties

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Identify riparian properties in the City of Menasha and conduct an educational mailing campaign relating to shoreline best practices.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
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12/15/2010	Identify riparian properties (2010)
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Description

Identify riparian properties in the city in preparation for educational campaign relating to best practices for shoreland properties.

1.5 Residential Property Infiltration

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks.

Goals

1.5.1 Create and distribute Residential Property Infiltration informational brochure

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Using information from NEWSC and UW-Extension, create an informational brochure which contains basic information on residential property infiltration and directing residents to resources. Make copies available at city hall, the library, Heckrodt Wetland Reserve, the senior center and the city garage.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
09/01/2010	Rain Garden Brochures (2010)

Description

Created and distributed rain garden brochures at city hall and community expos.

File Attachment [NEWSC Rain Barrels.pdf](#)

1.5.2 Publish article in city newsletter and/or city website

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

At least annually, publish residential property infiltration article(s) in the city's newsletter (which is distributed to every household in Menasha) and/or the city's website.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
01/01/2010	Website Article (2010)

Description

Published educational articles relating to residential infiltration on city's website on both and Community Development web page.

File Attachment [Web_CDD_Rain Garden.pdf](#)

1.5.3 Promote rain gardens and rain barrels at community events

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

At least annually, offer displays and educational information regarding residential property infiltration techniques such as rain gardens and rain barrels at community and/or regional events.

Planned: 2009 2010 2011 2012

Complete: 2009 2010 2011

Activity Date	Name
07/21/2010	"Zero In On Energy Independence" Expo (2010)

Description

Sponsored booth at community energy expo featuring rain gardens and rain barrels.

1.5.4 Develop and implement rain barrel program in coordination with NEWSOC

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Planned: 2011 2012

Complete:

Activity Date	Name	Description
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None

1.6 Construction Site Erosion Control Education

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Inform and where appropriate educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices.

Goals

1.6.1 Hold educational meetings with contractors

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Upon application for a building permit, staff will meet with contractors to discuss site erosion control issues and review the proposed construction site erosion control plan.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
None		

1.6.2 Create and distribute a Construction Site Erosion Control brochure

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Utilizing information from NEWSC and UW-Extension, create and distribute a brochure explaining construction site erosion control issues and providing instruction on implementing control measures. Brochures to be made available at the Building Inspection counter and distributed with all building permits.

Planned: 2011 2012

Complete:

Activity Date	Name	Description
None		

1.6.3 Publish articles in city newsletter and/or website

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Publish information about the city's construction site erosion control requirements along with educational information.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
12/31/2010	2010 Website Article

Description

Published website article regarding erosion control at construction sites.

File Attachment [Web10_PW_Erosion Control Construction Sites.mht](#)

1.7 Non-Residential Property Pollution Prevention

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Identify businesses and activities that may pose a storm water contamination concern, and where appropriate, educate specific audiences on methods of storm water pollution prevention.

Goals

1.7.1 Create and distribute Property Pollution Prevention educational brochure for businesses

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Utilizing information from NEWSC and UW-Extension, create and distribute a Property Pollution Prevention educational brochure for commercial and industrial properties. Brochure to be mailed on an annual basis to all affected properties.

Planned: 2011 2012

Complete:

Activity Date	Name	Description
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None

1.7.2 Develop Rain Garden Demonstration Projects

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Develop rain garden demonstration projects at commercial and/or public properties in the City of Menasha.

Planned: 2009 2010 2011 2012

Complete: 2009 2010 2011

Activity Date	Name
07/30/2010	Completion of ECWRPC Rain Garden Demo Project (2010)

Description

Completed installation and plantings for the ECWRPC Rain Garden Demo Project.

1.7.3 Offer Stormwater Utility Charge Credits for On Site Storm Water Management

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Offer Stormwater Utility Charge Credits for On Site Storm Water Management

Planned: 2009 2010 2011 2012

Complete: 2009 2010 2011

Activity Date	Name
12/31/2010	Stormwater Credit Program (2010)

Description

City offers program for commercial and industrial properties to be eligible for stormwater utility fee credits of up to 21% for water quality improvement BMPs like ponds, bio-filters, and rain gardens and an additional 46% credit for flow reduction facilities such as a stormwater pond.

1.8 Promote Environmentally Sensitive Land Development

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Promote environmentally sensitive land development designs by developers and designers.

Goals

1.8.1 Identify and evaluate environmentally sensitive land development principals

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Engage the Sustainability Board and/or Plan Commission to identify and evaluate environmentally sensitive land development principles suitable for the City of Menasha. Adoption, implementation, and promotion of policies to be ongoing.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
12/31/2010	Sustainability Board Review of Ordinances (2010)

Description

The Sustainability Board began review of ordinances relating to environmentally sensitive land development. The city's weed ordinance was identified as requiring updates to allow for native and prairie plantings which will help promote on site infiltration. Ordinance to be updated in 2011.

2 Public Involvement and Participation

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

To satisfy this minimum control measure, the permittee shall implement a program to notify the public of activities required by this permit and to encourage input and participation from the public regarding these activities. This program shall include measurable goals for public involvement and participation and comply with applicable state and local public notice requirements.

Best Management Practices

2.1 Public Notification

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Notify the public of activities required by the MS4 Permit on an annual basis.

Goals

2.1.1 Annually report to community on MS4 Permit activities

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Prior to submission, a draft of the MS4 Permit Annual Report shall be placed on the Common Council for public review, be placed on the city website, and be made available at the Department of Public Works. The final submission shall be posted on the city website and be made available at the Department of Public Works.

Planned: 2008 2009 2010 2011 2012

Complete: 2008 2009 2010 2011

Activity Date	Name
03/15/2010	2009 Annual Report to the Community

Description

A draft of the 2009 MS4 Permit Annual Report was submitted to the Common Council for public review. The draft was also placed on the city website and made available at the Department of Public Works. The final copy was posted on the city website and is available at the Department of Public Works.

2.1.2 Publish requirements of MS4 Permit on city website

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

The city shall publish the purpose, requirements, and activities of the MS4 Permit on the city's website throughout the year.

Planned: 2008 2009 2010 2011 2012

Complete: 2008 2009 2010 2011

Activity Date	Name
01/01/2010	2010 MS4 Permit Activities Published on City Website

Description

The city's MS4 permit requirements and activities are published on the city's website throughout the year at [http://www.cityofmenasha-wi.gov/content/departments/public_works/\(5\)Stormwater_Programs_and_Information/Storm_Water_Permit.php](http://www.cityofmenasha-wi.gov/content/departments/public_works/(5)Stormwater_Programs_and_Information/Storm_Water_Permit.php)

01/01/2010

2009 MS4 Permit Activities Published on City Website

Description

The city's MS4 permit requirements and activities are published on the city's website throughout the year at [http://www.cityofmenasha-wi.gov/content/departments/public_works/\(5\)Stormwater_Programs_and_Information/Storm_Water_Permit.php](http://www.cityofmenasha-wi.gov/content/departments/public_works/(5)Stormwater_Programs_and_Information/Storm_Water_Permit.php)

2.2 Public Participation

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Encourage input and participation from the public regarding the activities of the MS4 Permit.

Goals

2.2.1 Publish Class One (1) notice requesting public input

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

In conjunction with annual reporting to the community, the Common Council shall schedule request public comment and input on the activities of the MS4 Permit. The request will be published in the official newspaper of the City of Menasha as a Class One (1) notice as provided in Chapter 985 of the Wisconsin Statutes.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
03/15/2010	2009 Annual Report Notice

Description

Published Class One (1) notice in the Post-Crescent requesting public input on the 2009 annual report and MS4 activities.

2.2.2 Publish requests for public input on city's website

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Publish a request for comment, input, and questions regarding the activities of the MS4 Permit on the city's website throughout the year and provide staff contact information.

Planned: 2008 2009 2010 2011 2012

Complete: 2008 2009 2010

Activity Date	Name
03/15/2010	2009 Annual Report Website Notice

Description

Published website notice inviting public input on the 2009 annual report and MS4 activities.

3 Illicit Discharge Detection and Elimination

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Recognizing the adverse effects illicit discharges can have on receiving waters, the permittee shall develop, implement and enforce a program to detect and remove illicit connections and discharges to the MS4. The program shall include measurable goals and include all of the following:

1. An ordinance or other regulatory mechanism to prevent and eliminate illicit discharges and connections to the MS4.
2. Initial field screening at all major outfalls during dry weather periods. At a minimum, field screening shall be documented.
3. On-going dry weather field screening of outfalls during the term of the permit. Outfalls that will be evaluated on an on-going basis and the field screening frequency shall be identified. Consideration shall be given to hydrological conditions, total drainage area of the site, population density of the site, traffic density, age of the structures or buildings in the area, history of the area and land use types. A description of this on-going field screening program shall be submitted to the Department in accordance with section 3.3.4 of the Permit.
4. Procedures for responding to known or suspected illicit discharges.
5. The permittee shall take appropriate action to remove illicit discharges from its MS4 system as soon as possible. If it will take more than 30 days to remove an illicit connection, the Department shall be contacted to discuss an appropriate action and/or timeframe for removal.
6. In the case of an illicit discharge that originates from the permittee's permitted area and that discharges directly to a municipal separate storm sewer or property under the jurisdiction of another municipality, the permittee shall notify the affected municipality within one working day.
7. The name, title and phone number of the individual(s) responsible for responding to reports of illicit discharges and spills shall be included in the illicit discharge response procedure and submitted to the Department in accordance with section 3.3.2 of the Permit.

Best Management Practices

3.1 IDDE Ordinance

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

An ordinance or other regulatory mechanism to prevent and eliminate illicit discharges and connections to the MS4. At a minimum, the ordinance or other regulatory mechanism shall:

1. Prohibit the discharge, spilling or dumping of non-storm water substances or materials into waters of the state or the MS4.
2. Identify non-storm water discharges or flows that are not considered illicit discharges. Non-storm water discharges that are not considered illicit discharges include water line flushing, landscape irrigation, diverted stream flows, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, fire fighting and discharges authorized under a WPDES permit unless identified by the permittee as significant source of pollutants to waters of the state.
3. Establish inspection and enforcement authority.

Annual Reporting Items

Ordinance development and adoption; implementation.

Goals

3.1.1 IDDE Ordinance review and updates

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

The City of Menasha Illicit Discharge and Connection Ordinance was adopted by the Council on August 17, 2009. The ordinance mimics the model ordinance developed by NEWSC and is available as Section 1, Title 6, Chapter 8 of the City of Menasha Municipal Code. This can be found on the City's website:

<http://www.cityofmenasha-wi.gov/>

The ordinance will be reviewed at least once every five years and updated as needed.

Planned: 2009 2012

Complete: 2009

Activity Date	Name	Description
None		

3.1.2 Enforcement of IDDE Ordinance

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

A procedure will be established for tracking complaints and response activities as part of the enforcement component of the ordinance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
12/31/2010	Sample warning letters (2010)

Description

In 2010 letters were drafted that could be sent out for violations.

File Attachment [Carpet cleaning.doc](#)

12/31/2010	Spill contact form (2010)
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Description

Sample copies of initial contact form were given to members of Dept. to fill out if complaints were received.

File Attachment [Spills contact form.doc](#)

3.2 Initial Field Screening

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Required Yes

Description

Initial field screening at all major outfalls during dry weather periods. At a minimum, field screening shall be documented and include:

1. Visual Observation - A narrative description of visual observations including color, odor, turbidity, oil sheen or surface scum, flow rate and any other relevant observations regarding the potential presence of non-storm water discharges or illicit dumping.
2. Field Analysis - If flow is observed, a field analysis shall be conducted to determine the presence of illicit non-storm water discharges or illicit dumping. The field analysis shall include sampling for pH, total chlorine, total copper, total phenol and detergents, unless the permittee elects instead to use detergent, ammonia, potassium and fluoride as the indicator parameters. Other alternative indicator parameters may be authorized by the Department in writing.

(1) Field screening points shall, where possible, be located downstream of any source of suspected illicit activity.

(2) Field screening points shall be located where practicable at the farthest manhole or other accessible location downstream in the system. Safety of personnel and accessibility of the location shall be considered in making this determination.

Goals

3.2.1 Identification of major outfalls

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Identify and locate all of the major outfalls in the City.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
12/15/2010	Outfall List (2010)

Description

File Attachment [Outfalls to Monitor.doc](#)

3.2.2 Field Screening

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Visit each major outfall during a dry weather period and conduct observation and analysis, if necessary, per Section 2.3.2 of our WPDES Permit. Complete written documentation of the field screening. The initial field screening of major outfalls is anticipated to be completed in summer of 2010.

Planned: 2010

Complete: 2010

Activity Date	Name
03/11/2010	Outfall Inspection Form (2010)

Description

File Attachment [Outfall inspection form.pdf](#)

3.3 On-going Dry Weather Field Screening

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Required Yes

Description

On-going dry weather field screening of outfalls during the term of the permit. Outfalls that will be evaluated on an on-going basis and the field screening frequency shall be identified. Consideration shall be given to hydrological conditions, total drainage area of the site, population density of the site, traffic density, age of the structures or buildings in the area, history of the area and land use types. A description of this on-going field screening program shall be submitted to the Department in accordance with section 3.3.4 of the Permit.

Goals

3.3.1 Develop on-going field screening program

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Identify parameters for on-going field screening program, including the outfalls that will be evaluated and the field screening frequency. Consideration shall be given to hydrologic conditions, total drainage area of the site, population density of the site, traffic density, age of the buildings in the area, history of the area and land use types.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name	Description
None		

3.3.2 Outfall AY

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The inspection of outfall on annual basis.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Sample taken from AY4

File Attachment [inspection.pdf](#)

3.3.3 Outfall BX

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The inspection of the outfall

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Sample taken from MH on east side of Racine St by 441. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.3.4 Outfall X

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The inspection of the outfall.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Sample taken from X4. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.3.5 Outfall T

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The inspection of the outfall.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
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11/29/2010

Inspection (2010)

Description

Sample taken form U1. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.3.6 Outfall U

Responsible Staff / Position:

Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The inspection of the outfall.

Planned: 2010 2011 2012

Complete: 2010

Activity Date

Name

11/29/2010

Inspection (2010)

Description

Sample taken form U3. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.3.7 Outfall R

Responsible Staff / Position:

Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The inspection of the outfall.

Planned: 2010 2011 2012

Complete: 2010

Activity Date

Name

11/29/2010

Inspection (2010)

Description

Inspection done at R1. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.3.8 Outfall BV

Responsible Staff / Position:

Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The inspection of the outfall.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Inspection done at BV.

File Attachment [inspection.pdf](#)

3.3.9 Outfall D

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The inspection of the outfall

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Inspection done at D2.

File Attachment [inspection.pdf](#)

3.3.10 Outfall A

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The inspection of the outfall.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Sample taken from A1. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.3.11 Outfall Y

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Inspection of the outfall

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Inspection done at Y1.

File Attachment [inspection.pdf](#)

3.3.12 Outfall AP & AQ

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The inspection of the outfall.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Inspection done at AQ11.

File Attachment [inspection.pdf](#)

3.3.14 Outfall BU

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Outfall inspection

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
---------------	------

11/29/2010

Inspection (2010)

Description

Inspection done at BU. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.3.15 Outfall BI

Responsible Staff / Position:

Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Outfall inspection

Planned: 2010 2011 2012

Complete: 2010

Activity Date

Name

11/29/2010

Inspection (2010)

Description

Inspection done at BI. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.3.16 Outfall DI

Responsible Staff / Position:

Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Outfall Inspection

Planned: 2010 2011 2012

Complete: 2010

Activity Date

Name

11/29/2010

Inspection (2010)

Description

Inspection done at DI. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.3.17 Outfall DS & DT

Responsible Staff / Position:

Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Outfall inspection

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Inspection done at DT & DS.

File Attachment [inspection.pdf](#)

3.3.19 Outfall DU & DV

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Outfall inspection

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Inspection done at DU. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.3.21 Outfall H

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Outfall inspection

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Inspection done at H.

File Attachment [inspection.pdf](#)

3.3.22 Outfall AZ

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Outfall inspection

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Inspection done at AZ

File Attachment [inspection.pdf](#)

3.3.23 Outfall N

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Outfall inspection

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
11/29/2010	Inspection (2010)

Description

Inspection taken at N1.

File Attachment [inspection.pdf](#)

3.3.24 Outfall BP

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Outfall Inspection

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
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11/29/2010

Inspection (2010)

Description

Sample taken from BP1. Sample tested showed no pollutants.

File Attachment [inspection.pdf](#)

3.4 Illicit Discharge Response

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

Procedures for responding to known or suspected illicit discharges. At a minimum, procedures shall be established for:

1. As soon as possible, investigating 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 discharges.
2. Responding to spills that discharge into and/or from the MS4 including tracking and locating the source of the spill if unknown.
3. Preventing and containing spills that may discharge into or are already within the MS4.
4. Notifying the Department immediately in accordance with ch. NR 706, Wis. Adm. Code, in the event that the permittee identifies a spill or release of a hazardous substance, which has resulted or may result in the discharge of pollutants into waters of the state. The Department shall be notified via the 24-hour toll free spill hotline at 1-800-943-0003. The permittee shall cooperate with the Department in efforts to investigate and prevent such discharges from polluting waters of the state.
5. To the maximum extent practicable, eliminating leakage from sanitary conveyance systems into the MS4.
6. Providing the Department with advance notice of the time and location of dye testing within a MS4. (Because the dye may get reported to the Department as an illicit discharge or spill, the Department requires prior notification of dye testing.)

Annual Reporting Items

A copy of the spill and illicit discharge response procedure manual is on file at City Hall. No illicit discharges were found during 2009.

Goals

3.4.1 Illicit Discharge Response Procedure Manual

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

The City of Menasha Spill and Illicit Discharge Response Procedural Manual was developed using the template manual created by NEWSC. It will be reviewed annually and updated as necessary.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name	Description
None		

3.5 Illicit Discharge Removal Action

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

The permittee shall take appropriate action to remove illicit discharges from its MS4 system as soon as possible. If it will take more than 30 days to remove an illicit connection, the Department shall be contacted to discuss an appropriate action and/or timeframe for removal.

Goals

3.5.1 Illicit discharge removal

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Create a letter of notification to Illicit discharge violators.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
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None

3.5.2 Illicit discharge complaints

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

A list of complaints and what was done to follow up with complaint

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
12/31/2010	Illicit Discharge Complaints (2010)

Description

The complaints and what was done with each complaint.

File Attachment [Spill and Illicit Discharge 436 Nicolet.doc](#)

File Attachment [Waverly Sanitary Discharge 6 8 10.doc](#)

File Attachment [Waverly Sanitary Discharge 6 16 10.doc](#)

File Attachment [Spill & illicit discharge 831 Roosevelt.pdf](#)

3.6 Neighboring Jurisdiction Notification

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

In the case of an illicit discharge that originates from the permittee's permitted area and that discharges directly to a municipal separate storm sewer or property under the jurisdiction of another municipality, the permittee shall notify the affected municipality within one working day.

Goals

3.6.1 Identify neighboring jurisdictions

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Establish a list of discharge points to neighboring jurisdictions and contact people for neighboring MS4's. Verify contact information annually.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
03/04/2010	List of discharge points (2009, 2010)

Description

Created list of discharge points and contacts for neighboring MS4's.

File Attachment [Connections to Neighboring MS4.doc](#)

3.7 Responsible Party List

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

The name, title and phone number of the individual(s) responsible for responding to reports of illicit discharges and spills shall be included in the illicit discharge response procedure and submitted to the Department in accordance with section 3.3.2 of the Permit.

Goals

3.7.1 Illicit discharge reponse

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Establish contact list and chain of command.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name	Description
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None

4 Construction Site Pollutant Control

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Each permittee shall develop, implement and enforce a program to reduce the discharge of sediment and construction materials from construction sites. The program shall establish measurable goals and include the following elements:

1. An ordinance or other regulatory mechanism to require erosion and sediment control at construction sites and establish sanctions to ensure compliance.
2. Procedures for construction site inspection and enforcement of erosion and sediment control measures.
3. Procedures for receipt and consideration of information submitted by the public.

Best Management Practices

4.1 Construction Site Erosion & Sediment Control Ordinance

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

An ordinance or other regulatory mechanism to require erosion and sediment control at construction sites and establish sanctions to ensure compliance. Note that Appendix A of ch. NR152, Wis. Adm. Code, contains a construction site model ordinance. At a minimum, the ordinance or other regulatory mechanism shall conform to Section 2.4.1 of the City's WPDES General Permit.

The City of Menasha adopted Ordinance O-7-08 relating to Construction Site Erosion Control on June 2, 2008. The ordinance mimics the model ordinance developed by NEWSC and is available as Section 1, Title 6, Chapter 6 of the City of Menasha Municipal Code. This can be found on the City's website:
<http://www.cityofmenasha-wi.gov/>.

The City of Menasha is located in Winnebago and Calumet counties, both of which also have erosion control ordinances. We will enforce the more stringent requirements from the city and county ordinances.

Goals

4.1.1 Request authority to regulate erosion control at public buildings and places of employment

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Section 2.4.1.1.3 of the WPDES General Permit requires municipal permittees to request authority from the Wisconsin Department of Commerce to regulate erosion control at public buildings and places of employment.

The City had done so but needed to have an employee properly trained to perform the regulatory duties before Commerce would grant authority. That training has been completed but we need to follow through with making another request to Commerce. I expect this to be done in March, 2010.

Planned: 2009 2010

Complete: 2009 2010

Activity Date	Name
12/31/2010	Employee Trained (2010)

Description

Employee was trained and certified as a Soil erosion control inspector.

File Attachment [SCAN4142_000.pdf](#)

4.1.2 Track enforcement actions

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Maintain an accounting of all enforcement actions taken by the City, including verbal warnings, written warnings, stop work notices, citations, and corrective work done by others.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
12/31/2010	Enforcement Action (2010)

Description

There were a total of 8 warning letters sent to contractors for the year of 2010.

4.1.3 Review and update ordinance

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Review and update the ordinance as necessary per any Admin. Code or WPDES Permit changes. At a minimum, this will be done every five years, beginning in 2012.

Planned: 2012

Complete:

Activity Date	Name	Description
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None

4.2 Construction Site Inspections and Enforcement

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Required Yes

Description

Procedures for construction site inspection and enforcement of erosion and sediment control measures.

The City of Menasha Engineering Dept. will require erosion control inspections on all commercial and utility construction sites within the City. These inspections will be an on site inspection on a weekly basis and within 24 hours of a 1/2" or more of rain. A written report of each inspection (see construction site inspection checklist) will be kept on file at City Hall. If the contractor fails to comply or correct areas of concern within time stated on the report, a stop work order will be posted on site and also mailed to the contractor. If after a stop work order is issued and corrective conditions are still not met the City will make provisions for its crews or another contractor to enter the site and correct the conditions. Any costs incurred by this will be taken out of the contractor's financial guarantee.

Education Program / Public Outreach

Meet with contractors at pre-construction meetings and discuss the importance of the erosion control measures. Also discuss any areas of concern. Provide informational brochures/handouts for contractors at the Building Inspection Department.

Annual Reporting Items

Number of construction sites within given year.

Goals

4.2.1 Track construction site inspections

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Track the number of inspections by category of residential, ordinance related or complaint driven. Prepare an annual summary report.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
12/31/2010	Residential Construction Sites (2010)

Description

The Building Inspection Department issued 25 construction site erosion control permits in 2010. Erosion control plans identifying BMPs to be utilized were required for permit approval. Site inspections and enforcement were conducted periodically at each site over the course of construction activities. Permit records are maintained in the Building Inspection files.

12/31/2010

Commercial Construction Sites (2010)

Description

Report of the 2010 construction sites passing and failing inspections

File Attachment [2010 Erosion report.pdf](#)

4.2.2 Non permit required erosion inspections

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Tracking of non permit required erosion inspections.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
12/31/2010	Non-Compliant Erosion Control (2010)

Description

Letters sent to properties that were not in compliance with erosion control practices.

File Attachment [erosion control letter 1021 Province Tr.doc](#)

File Attachment [erosion control letter 1028 Durham.doc](#)

File Attachment [erosion control letter 1293 Fieldview.doc](#)

File Attachment [erosion control letter 1416 maria.doc](#)

File Attachment [erosion control letter 2389 Woodland Hills Dr.doc](#)

File Attachment [erosion control letter 2927 Birling Ct.doc](#)

4.3 Public Information Response Procedures

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

Procedures for receipt and consideration of information submitted by the public.

Goals

4.3.1 Maintain public complaint log

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Establish and maintain a log for receipt of erosion control complaints from the public. System should include associated follow up results and actions, if any.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
12/31/2010	Complaint Log (2010)

Description

A log of public complaints was kept and there were no complaints registered for 2010.

5 Post-Construction Storm Water Management

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

The permittee shall develop, implement and enforce a program to require control of the quality of discharges from areas of new development and redevelopment, after construction is completed. The program shall establish measurable goals and include:

1. An ordinance or other regulatory mechanism to regulate post-construction storm water discharges from new development and redevelopment.
2. Procedures that will be used by the permittee to ensure the long-term maintenance of storm water management facilities.

Best Management Practices

5.1 Post-Construction Storm Water Management Ordinance

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

An ordinance or other regulatory mechanism to regulate post-construction storm water discharges from new development and redevelopment. At a minimum, the ordinance or other regulatory mechanism shall establish or include:

1. Applicability and jurisdiction that shall apply to construction sites with one acre or more of land disturbance, and sites of less than one acre if they are part of a larger common plan of development or sale under the jurisdiction of the permittee.
2. Design criteria, standards and specifications equivalent to technical standards or the Wisconsin Storm Water Manual approved by the Department. The Department-approved technical standards shall take precedence over the Wisconsin Storm Water Manual. The Department-approved technical standards and the Wisconsin Storm Water Manual are available at <http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm>.
3. Post-construction performance standards equivalent to or more restrictive than those in ss. NR 151.12 and 151.24, Wis. Adm. Code.
4. Storm water plan requirements for landowners of construction sites equivalent to those contained in s. NR 216.47, Wis. Adm. Code.
5. Long-term maintenance requirements for landowners and other persons responsible for long-term maintenance of post-construction storm water control measures.
6. Inspection and enforcement authority.

The City of Menasha adopted Ordinance O-22-08 relating to Post-Construction Storm Water Management on January 5, 2009. The ordinance mimics the model ordinance developed by NEWSOC and is available as Section 1, Title 6, Chapter 7 of the City of Menasha Municipal Code. This can be found on the City's website: <http://www.cityofmenasha-wi.gov/>. The City of Menasha is located in Winnebago and Calumet counties, both of which also have storm water management ordinances. We will enforce the more stringent requirements from the city and county ordinances.

Goals

5.1.1 Review and update ordinance

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Review and update the ordinance as necessary per any Admin. Code or WPDES Permit changes. At a minimum, this will be done every five years, beginning in 2012.

Planned: 2012

Complete:

Activity Date	Name	Description
None		

5.1.2 Storm water management plan review

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Contract with a qualified consultant to review commercial and subdivision storm water management plans for compliance with the ordinance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name	Description
09/15/2010	Subway Plan Review (2010)	

5.2 Long-Term Maintenance Procedures

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

Procedures that will be used by the permittee to ensure the long-term maintenance of storm water management facilities.

The City of Menasha has developed a template for a Storm Water Facilities Maintenance Agreement to ensure long term maintenance for the storm water facility in accordance with the design functions and the post-construction storm water management plan.

Upon approval of the plan, the maintenance agreement is signed by the property owner and the City of Menasha and is recorded at the appropriate county.

The management and long term maintenance of regional storm water ponds and residential subdivision ponds shall be the responsibility of the City of Menasha, accomplished via either easement or land dedication.

Goals

5.2.1 Audit private facilities for long term maintenance

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Audit up to five properties annually for compliance with the approved operation and maintenance plan and recorded maintenance agreement.

Planned: 2011 2012

Complete:

Activity Date	Name	Description
None		

6 Pollution Prevention

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Each permittee shall develop and implement a pollution prevention program that establishes measurable goals for pollution prevention. The program shall include:

1. Routine inspection and maintenance of municipally owned or operated structural storm water management facilities to maintain their pollutant removal operating efficiency.
2. Routine street sweeping and cleaning of catch basins with sumps where appropriate.
3. Proper disposal of street sweeping and catch basin cleaning waste.
4. If road salt or other deicers are applied by the permittee, no more shall be applied than necessary to maintain public safety.
5. Proper management of leaves and grass clippings, which may include on-site beneficial reuse as opposed to collection.
6. Storm water pollution prevention planning for municipal garages, storage areas and other sources of storm water pollution from municipal facilities.
7. Application of lawn and garden fertilizers on municipally controlled properties, with pervious surfaces over 5 acres each, in accordance with a site-specific nutrient application schedule based on appropriate soil tests.
8. Education of appropriate municipal and other personnel involved in implementing this program.
9. Measures to reduce municipal sources of storm water contamination within source water protection areas. Wisconsin's source water assessment program information is available at:
<http://www.dnr.state.wi.us/org/water/dwg/swap/index.htm>.

Best Management Practices

6.1 Routine Facility Inspection and Maintenance

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

Routine inspection and maintenance of municipally owned or operated structural storm water management facilities to maintain their pollutant removal operating efficiency. The City of Menasha currently has responsibility for 10 wet storm water ponds, three dry ponds, several ditches and one CDS filter unit. These facilities are inspected at least annually.

Goals

6.1.1 Menasha Marina Proprietary Device

Responsible Staff / Position: Tim Jacobson
Public Works Superintendent
(920) 967-3620

Description

Conduct semi-annual inspections, maintain and clean with vactor truck. Record date and estimate amount of solids removed if possible.

Planned: 2006 2007 2008 2009 2010 2011 2012

Complete: 2006 2007 2008 2009 2010

Activity Date	Name
10/01/2010	Cleaning (2010)

Description

Cleaning.

6.1.2 Lake Park Villas Phase I, Pond 1

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Pond 1 Inspections and Maintenance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
10/01/2010	Pond Inspection (2010)

Description

The inspection of pond and any corrections that were made if any.

File Attachment [2010 Lake Park Phase I Pond I Inspection.doc](#)

6.1.3 Lake Park Villas Phase I, Pond 2

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Pond 2 inspections and maintenance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
10/01/2010	Pond Inspection (2010)

Description

The inspection of the pond and any corrections that were made if any.

File Attachment [2010 Lake Park Phase I Pond II Inspection.doc](#)

6.1.4 Lake Park Villas Phase I, Pond 3

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Pond 3 inspections and maintenance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
10/01/2010	Pond Inspection (2010)

Description

The inspection of the pond and any corrections that were made if any.

File Attachment [2010 Lake Park Phase I Pond III Inspection.doc](#)

6.1.5 Lake Park Villas Phase I, Pond 4

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Pond 4 inspections and maintenance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
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10/01/2010 Pond Inspection (2010)

Description

The inspection of the pond and any corrections that were done if any.

File Attachment [2010 Lake Park Phase I Pond IV Inspection.doc](#)

6.1.6 Lake Park Villas Phase II Pond

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

LPV Phase II pond inspections and maintenance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
10/01/2010	Pond Inspection (2010)

Description

The inspection of the pond and any corrections that were done if any.

File Attachment [2010 Lake Park Phase II Pond Inspection.doc](#)

6.1.7 Midway Business Park Pond

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Midway Business Park wet detention basin inspections and maintenance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
10/01/2010	Pond Inspection (2010)

Description

The inspection of the pond and any corrections that were done if any.

File Attachment [2010 Midway buisness Pond Inspection.doc](#)

6.1.8 Province Terrace Pond

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Province Terrace wet detention basin inspections and maintenance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
10/01/2010	Pond Inspection (2010)

Description

The inspection of the pond and the corrections that were done if any.

File Attachment [2010 Province Tr Pond Inspection.doc](#)

6.1.9 Lake Park Villas Phase I, Pond 5

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Pond 5 Inspections and maintenance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
10/01/2010	Pond Inspection (2010)

Description

The inspection of the pond and the corrections that were done if any.

File Attachment [2010 Lake Park Phase I Pond V Inspection.doc](#)

6.1.10 Natures Way Housing Pond

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Pond inspections and maintance.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
10/01/2010	Pond Inspection (2010)

Description

The inspection of the pond and the corrections that were done if any.

File Attachment [2010 Nature's way Housing Pond Inspection.doc](#)

6.1.11 Nature's Way/Province Terrace Pond

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Pond Inspection and Maintance

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
10/01/2010	Pond Inspection (2010)

Description

The inspection of the pond and the corrections that were done if any.

File Attachment [2010 Nature's way_Province Tr. Pond Inspection.doc](#)

6.2 Street Sweeping / Catch Basin Cleaning

Responsible Staff / Position: Tim Jacobson
Public Works Superintendent
(920) 967-3620

Required Yes

Description

Routine street sweeping and cleaning of catch basins with sumps where appropriate.

Goals

6.2.1 Downtown, Major, and Secondary Roads

Responsible Staff / Position: Tim Jacobson
Public Works Superintendent
(920) 967-3620

Description

All downtown and major roads cleaned every week. Secondary roads cleaned once a month.

Planned: 2006 2007 2008 2009 2010 2011 2012

Complete: 2006 2007 2008 2009 2010

Activity Date	Name
12/31/2010	Downtown, Major, and Secondary Roads (2010)

Description

All major roads swept weekly on friday's. rest of streets swept on a monthly basis. Total sweeper mileage ws 3,627 miles and 838 hours.

6.3 Sweeping and Basin Waste Disposal

Responsible Staff / Position: Tim Jacobson
Public Works Superintendent
(920) 967-3620

Required Yes

Description

Proper disposal of street sweeping and catch basin cleaning waste.

Goals

6.3.1 Sweeping and Basin Disposal

Responsible Staff / Position: Tim Jacobson
Public Works Superintendent
(920) 967-3620

Description

proper disposal sweepings and basin debris.

Planned: 2010 2011 2012

Complete: 2010

Activity Date	Name
12/26/2010	Sweeping and Basin Disposal (2010)

Description

Hauled 124 ton from sweeping to landfill. Basin disposal hauled to clear fill landfill (badger quarry). Repaired 505 storm structures and cleaned 1,422 basins.

6.4 Deicer Application Management

Responsible Staff / Position: Tim Jacobson
Public Works Superintendent
(920) 967-3620

Required Yes

Description

If road salt or other deicers are applied by the permittee, no more shall be applied than necessary to maintain public safety. Also, the use of environmentally friendly deicers, such as Geomelt, shall be evaluated as a standard operating policy for snow and ice control.

Justification

Deicer is necessary to provide appropriate level of safety as defined in the City's Snow and Ice Control Policy.

Annual Reporting Items

WisDOT requires an annual Salt Inventory report.

Goals

6.4.1 Maximize Use of Geomelt

Responsible Staff / Position: Tim Jacobson
Public Works Superintendent
(920) 967-3620

Description

The use of Geomelt as a deicer allows us to reduce the amount of road salt being applied to our streets, thus reducing the amount of chlorides entering our waterways.

Planned: 2009 2010

Complete: 2009 2010

Activity Date	Name
12/31/2010	Maximized Use of Geomelt (2010)

Description

Mixed 500 gallons with 219 ton of chips and 169 ton of salt.

6.4.2 Annual Salt Storage Facility Inspection/Inventory

Responsible Staff / Position: Tim Jacobson
Public Works Superintendent
(920) 967-3620

Description

Conduct the annual salt storage facility inspection by WisDOT. Prepare salt inventory report.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
12/31/2010	Salt Storage Facility Inspection/Inventory (2010)

Description

Conducted the annual salt storage facility inspection by WisDOT. Prepared salt inventory report.

6.4.3 Fleet Maintenance

Responsible Staff / Position:	Tim Jacobson Public Works Superintendent (920) 967-3620
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Description

Maintain fleet and equipment for proper application of road salt and salt brine. Perform calibration of equipment prior to winter season.

Planned: 2008 2009 2010 2011 2012

Complete: 2008 2009 2010

Activity Date	Name
10/29/2010	Winter Season Equipment Calibration (2010)

Description

Fleet and equipment were prepared for winter snow and ice control operations. Salt spreaders/applicators were calibrated.

6.5 Leaf and Grass Clipping Management

Responsible Staff / Position: Tim Jacobson
Public Works Superintendent
(920) 967-3620

Required Yes

Description

Proper management of leaves and grass clippings, which may include on-site beneficial reuse as opposed to collection.

Goals

6.5.1 Proper Management of Leaf and Grass Clipping Yard Waste

Responsible Staff / Position: Tim Jacobson
Public Works Superintendent
(920) 967-3620

Description

The City of Menasha will collect and process yard waste to produce sifted compost product that will be made available to residents. The city will utilize a bio-bag collection system. Property owners will be required to mulch or compost grass clippings on site.

Planned: 2006 2007 2008 2009 2010 2011 2012

Complete: 2006 2007 2008 2009 2010

Activity Date	Name	Description
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None

6.5.2 Proper Management of Leaf and Grass Clippings in City Parks

Responsible Staff / Position: Vince Maas
Parks Superintendent
(920) 967-3642

Description

Turf grass will be mulched during the growing season. Leaves will also be mulched several times in the fall.

Planned: 2006 2007 2008 2009 2010 2011 2012

Complete: 2006 2007 2008 2009 2010

Activity Date	Name
12/31/2010	Mulching (2010)

Description

Turf grass was mulched during the growing season. Leaves were also mulched several times in the fall.

6.6 Municipal Facility SWPPPs

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

Storm water pollution prevention planning for municipal garages, storage areas and other sources of storm water pollution from municipal facilities. We have reviewed SWPPPs from other communities but have not yet prepared our own SWPPP. It is expected we will complete our SWPPP in summer of 2011. Upon completion of SWPPP, proper employee training will be done.

Goals

None

Activity Date	Name	Description
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None

6.7 Nutrient Application Management

Responsible Staff / Position: Vince Maas
Parks Superintendent
(920) 967-3642

Required Yes

Description

Application of lawn and garden fertilizers on municipally controlled properties, with pervious surfaces over 5 acres each, in accordance with a site-specific nutrient application schedule based on appropriate soil tests.

Goals

6.7.1 Nutrient Application Management

Responsible Staff / Position: Vince Maas
Parks Superintendent
(920) 967-3642

Description

At this time the City of Menasha does not apply lawn or garden fertilizer to any area larger than 2 acres. The Parks Department has a Turf Management Plan which is reviewed annually. It was recently updated.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name
12/31/2010	Nutrient Application Management (2010)

Description

Attached is the Nutrient Application Management Plan.

6.8 Staff Training and Education

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

Education of appropriate municipal and other personnel involved in implementing this program. Comprehensive training for City employees has not yet occurred. It is expected this will occur in 2010.

Goals

6.8.1 Provide staff training on pollution prevention

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Education of appropriate municipal and other personnel involved in implementing this program.

Planned: 2010

Complete:

Activity Date	Name	Description
None		

6.9 Source Water Protection Measures

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

Measures to reduce municipal sources of storm water contamination within source water protection areas. Wisconsin's source water assessment program information is available at:

<http://www.dnr.state.wi.us/org/water/dwg/swap/index.htm>.

Goals

None

Activity Date	Name	Description
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None

7 Storm Water Quality Management

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

The permittee shall develop and implement a municipal storm water management program. This program shall achieve compliance with the developed urban area performance standards of s. NR 151.13(2), Wis. Adm. Code, for those areas of the municipality that were not subject to the postconstruction performance standards of s. NR 151.12 or 151.24. The program shall include:

1. To the maximum extent practicable, implementation of storm water management practices necessary to achieve a 20% reduction in the annual average mass of total suspended solids discharging from the MS4 to surface waters of the state as compared to implementing no storm water management controls, by March 10, 2008. The permittee may elect to meet the 20% total suspended solids standard on a watershed or regional basis by working with other permittee(s) to provide regional treatment that collectively meets the standard.
2. Evaluation of all municipal owned or operated structural flood control facilities to determine the feasibility of retrofitting to increase total suspended solids removal from runoff.
3. Assessment of compliance with s. NR 151.13(2), Wis. Adm. Code, by conducting a pollutant-loading analysis using a model such as SLAMM, P8 or equivalent methodology approved by the Department. At a minimum, the average annual total suspended solids and phosphorus loads to the MS4 shall be determined for the cumulative discharge from all outfalls for the controls and no controls conditions. For purposes of evaluating the modeling, pollutant loads from grouped drainage areas as modeled shall be reported. The modeling shall calculate the theoretical annual average mass of total suspended solids generated for the entire area served by a MS4 within the permittee's jurisdiction with no controls or BMPs applied. Modeling to reflect the current state of controls and BMPs shall be judged against the no controls condition to determine the percent of reduction. A storm water infiltration system is considered to be a control or BMP. Controls and BMPs that exist at the time of permit issuance may be used to achieve this reduction. This pollutant level reduction applies to total suspended solids only.

Best Management Practices

7.1 20% TSS Reduction Practices

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

To the maximum extent practicable, implementation of storm water management practices necessary to achieve a 20% reduction in the annual average mass of total suspended solids discharging from the MS4 to surface waters of the state as compared to implementing no storm water management controls, by March 10, 2008. The permittee may elect to meet the 20% total suspended solids standard on a watershed or regional basis by working with other permittee(s) to provide regional treatment that collectively meets the standard.

Note: Pursuant to s. NR 151.13(2), Wis. Adm. Code, the total suspended solids reduction requirement increases to 40% by March 10, 2013. The 20% and 40% total suspended solids reduction requirements are applied to runoff from areas of urban land use and are not applicable to agricultural or rural land uses and associated roads. Additional MS4 modeling guidance for modeling the total suspended solids control is given on the Department's Internet site at:

<http://dnr.wi.gov/org/water/wm/nps/stormwater/techstds.htm>.

Goals

7.1.1 Adopt and implement Storm Water Management Plan

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Adopt and implement a city-wide storm water management plan to achieve a 20% reduction in the annual average mass of total suspended solids discharging from the MS4 to surface waters of the state.

Planned: 2008 2009 2010 2011 2012

Complete: 2008 2009

Activity Date	Name	Description
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None

7.2 Evaluation of Existing Facility for Retrofit

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

Evaluation of all municipal owned or operated structural flood control facilities to determine the feasibility of retrofitting to increase total suspended solids removal from runoff.

Goals

7.2.1 Inspect and evaluate existing facilities for retrofit.

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Inspect and evaluate all municipal owned or operated structural flood control facilities to determine the feasibility of retrofitting to increase TSS removal.

Planned: 2009 2011

Complete: 2009

Activity Date	Name	Description
None		

7.3 Pollutant Loading Analysis Model (SLAMM/ P8)

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

Assessment of compliance with s. NR 151.13(2), Wis. Adm. Code, by conducting a pollutant-loading analysis using a model such as SLAMM, P8 or equivalent methodology approved by the Department. At a minimum, the average annual total suspended solids and phosphorus loads to the MS4 shall be determined for the cumulative discharge from all outfalls for the controls and no controls conditions. For purposes of evaluating the modeling, pollutant loads from grouped drainage areas as modeled shall be reported. The modeling shall calculate the theoretical annual average mass of total suspended solids generated for the entire area served by a MS4 within the permittee's jurisdiction with no controls or BMPs applied. Modeling to reflect the current state of controls and BMPs shall be judged against the no controls condition to determine the percent of reduction. A storm water infiltration system is considered to be a control or BMP. Controls and BMPs that exist at the time of permit issuance may be used to achieve this reduction. This pollutant level reduction applies to total suspended solids only.

Goals

7.3.1 Conduct Pollutant Load Analysis

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Description

Complete a pollutant-loading analysis to assess compliance with the 20% and 40% TSS reduction developed urban area performance standard.

Planned: 2008 2011

Complete: 2008

Activity Date	Name	Description
None		

8 Storm Sewer System Map

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

The permittee shall develop and maintain a MS4 map.

Best Management Practices

8.1 Storm Sewer System Map Requirements

Responsible Staff / Position: Tim Montour
Engineering Supervisor
(920) 967-3610

Required Yes

Description

The municipal storm sewer system map shall include:

1. Identification of waters of the state, name and classification of receiving water(s), identification of whether the receiving water is an ORW, ERW or listed as an impaired water under s. 303(d) of the Clean Water Act, storm water drainage basin boundaries for each MS4 outfall and municipal separate storm sewer conveyance systems.
2. Identification of any known threatened or endangered resources, historical property and wetlands, as defined in sections 1.6 through 1.8 of this permit, which might be affected.
3. Identification of all known MS4 outfalls discharging to waters of the state and other MS4s. Major outfalls shall be uniquely identified.
4. Location of any known discharge to the MS4 that has been issued WPDES permit coverage by the Department. A list of WPDES permit holders in the permittee's area may be obtained from the Department.
5. Location of municipally owned or operated structural storm water management facilities including detention basins, infiltration basins, and manufactured treatment devices. If the permittee will be taking credit for pollutant removal from privately-owned facilities, they must be identified.
6. Identification of publicly owned parks, recreational areas and other open lands.
7. Location of municipal garages, storage areas and other public works facilities.
8. Identification of streets.

Goals

8.1.1 Storm Sewer Map

Responsible Staff / Position: Corey Gordon
Engineering Aide II
(920) 967-3610

Description

Create a map of the city showing all storm sewer system. Map to be updated on an annual basis.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date

12/31/2010

Name

Update Storm Sewer Map (2010)

Description

Storm sewer system 2010.

File Attachment [STORM_system.pdf](#)

9 Annual Report and Storm Water Management Program Funding

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

The permittee shall submit an annual report to the Department in accordance with section 3.10 of the Permit. The permittee shall invite the municipal governing body, interest groups and the general public to review and comment on the annual report.

Best Management Practices

9.1 Annual Reporting Requirements

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Required Yes

Description

The annual report shall include:

1. The status of implementing the permit requirements, status of meeting measurable program goals and compliance with permit schedules.
2. A fiscal analysis which includes the annual expenditures and budget for the reporting year, and the budget for the next year.
2. A summary of the number and nature of inspections and enforcement actions conducted to ensure compliance with the required ordinances.
4. Identification of any known water quality improvements or degradation in the receiving water to which the permittee's MS4 discharges. Where degradation is identified, identify why and what actions are being taken to improve the water quality of the receiving water.
5. A duly authorized representative of the permittee shall sign and certify the annual report and include a statement or resolution that the permittee's governing body or delegated representatives have reviewed or been apprised of the content of the annual report. A signed copy of the annual report and other required reports shall be submitted to the appropriate Department regional storm water contact or to the Wisconsin DNR, Storm Water Program ?WT/2, PO Box 7921, Madison, WI 53707-7921.

Goals

9.1.1 Utilize PermiTrack Software for Annual Reporting

Responsible Staff / Position: Amy Kester
Principal Planner
(920) 967-3652

Description

Train staff on and utilize PermiTrack software to plan, record, and document all activities relating to the city's MS4 Permit.

Planned: 2009 2010 2011 2012

Complete: 2009

Activity Date	Name
12/31/2010	Document MS4 Permit Activities in PermiTrack (2010)

Description

Staff utilized MS4 PermiTrack software to manage BMP goals and document activities throughout the year. Documentation will be submitted with 2009 Annual Report.

9.1.2 Prepare Annual Report**Responsible Staff / Position:**

Amy Kester
Principal Planner
(920) 967-3652

Description

Review annual documentation and ensure all activities are entered into PermiTrack software. Prepare annual report document for Common Council and public review. Submit annual report by March 31.

Planned: 2008 2009 2010 2011 2012

Complete: 2008 2009

Activity Date**Name**

03/31/2010

2009 Annual Report

Description

Submission of the Annual Report for 2009.

9.2 Annual Funding Information

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

The permittee will generate revenue to fund the activities and requirements of the storm water management program.

Goals

None

Activity Date	Name	Description
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None

9.3 Annual Program Costs

Responsible Staff / Position: Mark Radtke
Director of Public Works
(920) 967-3610

Required Yes

Description

Costs for implementing the program shall be summarized and attached to the annual permit.

Goals

None

Activity Date	Name	Description
None		
