



Village of North Fond du Lac, WI

North Fond du Lac Storm Water Management Program

January 01, 2006 To December 31, 2012

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: Nick Leonard
Project Coordinator
(920) 929-3765

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.

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: Nick Leonard
Project Coordinator
(920) 929-3765

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.

Education Program / Public Outreach

This will be accomplished via Village web page and newsletters

Annual Reporting Items

Annual reporting on the activities mentioned above.

Goals

1.1.1 Illicit Discharge and detection info on web

Responsible Staff / Position: Mitch Vis
Project Coordinator
(920) 929-3765

Description

Place and maintain information the the Villages Web page regarding illicit discharge and detection and who to report to if someone finds such an event.

The method of measurement for this item is the published web page.

<http://www.nfdl.org>

Planned: 2009 2010

Complete: 2009 2010

Activity Date	Name	Description
04/26/2009	IDDE info on web	An IDDE pamphlet has been placed on the village website

1.1.2 Create IDDE Pamphlet

Responsible Staff / Position: Mitch Vis
Project Coordinator
(920) 929-3765

Description

Create an information pamphlet for Village residents and business owners describing the Village IDDE program and contact information. Confirm current contact information and content annually.

The method of measurement for this item is completion of the pamphlet and distribution from the Village Hall

walk up counter.

Planned: 2009 2010 2011

Complete: 2009 2010

Activity Date	Name	Description
02/27/2009	IDDE Pamphlet	Pamphlet explaining Stormwater and IDDE

1.2 Public Pollution Prevention Education

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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.

Education Program / Public Outreach

The Village will use the web page and newsletters to reach out to residents about stormwater pollution prevention.

Annual Reporting Items

Annual report used to describe related activities.

Goals

1.2.1 Pollution Prevention Web

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Provide and maintain access to pollution prevention information on the Village web page.

The method of measurement for this goal will be access to pollution prevention information from the Village web site.

Planned: 2008 2009 2010 2011

Complete: 2008 2009 2010

Activity Date	Name	Description
03/12/2010	Pollution Prevention on Web	There is currently Pollution Prevention information on the Village's website. The Village has pamphlets on IDDE and rain garden information. The Village's stormwater ordinances are also located on the website. The North Fond du Lac Storm Water Management Program and Permit Application will be place on the website on 3/12/10.

1.2.2 Middle School Workshop on Stormwater Awareness

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Conduct two hour workshop with 5th or 6th grade science class students to increase awareness of where

stormwater goes once it enters inlets or ditches.

Planned: 2009 2010 2011

Complete:

Activity Date	Name	Description
03/12/2010	Middle School Workshop on Stormwater Awareness	The middle school workshop is planned to take place during the 2010/2011 school year.

1.3 Leaf Management and Lawn Care

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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.

Justification

Reuse of lawn clippings and leaves onsite helps to reduce the risk of these materials ending up in waters of the state.

Education Program / Public Outreach

Articles related to this topic will be placed in the Village newsletters in the spring and summer.

Goals

1.3.1 Publish Spring Lawn care Articles

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Publish information about proper lawn fertilization in Villager in Spring and Fall.

The method of measurement for this goal will be copies of published articles.

Planned: 2007 2008 2009 2010

Complete: 2007 2008 2009 2010

Activity Date	Name	Description
03/30/2007	Villager Articles in 2007	Published two lawn care articles in Village newsletter - spring and fall of 2007. Copies of articles attached below.
03/10/2008	Villager Article - 2008 Spring	The Spring 2008 Villager included four articles related to storm water and water quality management: Pg 5 - Soil Testing - advises property owners on options for soil testing to determine actual fertilizer needs and reduce use of fertilizer; references NEWSC. Pg 5 - Brush and Yard Waste - Advises residents of 2008 brush and yard waste collection program to avoid transport of yard waste into the storm sewer system and drainage ways. Pg 6 - Fluorescent Light Bulb Disposal - Advises residents of FLB disposal options to avoid improper disposal and potential mercury pollution from improperly disposed of broken bulbs.

Pg 6 - Bulky Waste Collection - Advises residents of collection program to avoid improper disposal or outside storage of large appliances.

The newsletter can be viewed at:

www.nfdl.org/pdf/Villager_EarlySpring_2008.pdf

04/08/2009	Villager Article - 2009 Spring	Placed Article in the 2009 Spring Villager.
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1.3.2 Publish Leaf Management Articles Each Fall

Responsible Staff / Position: Mitch Vis
Project Coordinator
(920) 929-3765

Description

Publish information on leaf management procedures for the Village each year in advance of fall leaf collection and disposal activity.

The method of measurement for this activity will be publication in the third quarter issue of the Village newsletter.

Planned: 2009 2010 2011

Complete: 2009 2010

Activity Date	Name	Description
09/30/2009	Villager Article- Fall 2009	Placed leaf Management Article in the 2009 Fall Villager.

1.4 Streambank and Shoreline Management

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

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

Justification

Educating riparian landowners about proper management of the shoreline is the most effective way to prevent shoreline deterioration.

Education Program / Public Outreach

Send letters to all riparian owners annually with some informational material related to shoreline management.

Annual Reporting Items

Annual report on activities accomplished.

Goals

1.4.1 Create Mail List of Riparian owners

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Create a mail list of Village residents that own property adjacent to Mosher Creek or Lake Winnebago.

The method of measurement for this goal is development of a list of riparian owners in the Village.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
02/27/2009	Riparian mailing list	List of mailing information to all North Fond du Lac riparian parcels.

1.4.2 Riparian Owner Mailing

Responsible Staff / Position: Mitch Vis
Project Coordinator
(920) 929-3765

Description

Prepare and mail shoreline management information to all riparian owners in the Village.

The method of measurement for this item is documentation of information sent to riparian owners.

Planned: 2010 2011

Complete:

Activity Date	Name	Description
None		

1.5 Residential Property Infiltration

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

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

Justification

Onsite infiltration, when possible, can reduce the amount of stormwater sent to waters of the state.

Education Program / Public Outreach

The Village will explore the possibility of creating a rain garden on one of its properties to educate the public on infiltration.

Annual Reporting Items

Update annually on activities or possibilities of infiltration.

Goals

1.5.1 Public rain garden feasibility

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Village to explore possibility of constructing a rain garden at either the community center or the municipal building, and including information sign or kiosk with project information.

The method of measurement for this item will be a memo summarizing the results of this possibility. If determined feasible, this will result in a public rain garden construction goal.

Planned: 2010

Complete:

Activity Date	Name	Description
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None

1.5.2 Provide Residential Rain Garden Information Pamphlet

Responsible Staff / Position: Mitch Vis
Project Coordinator
(920) 929-3765

Description

Provide information on residential rain garden construction for public access at Village Hall.

The method of measurement for this item is public access to rain garden construction information in Village Hall.

Planned: 2009 2010 2011

Complete: 2009 2010

Activity Date	Name	Description
03/06/2009	Rain Garden Pamphlet	Rain Garden Information

1.5.3 Web Access to Residential Rain Garden Information

Responsible Staff / Position: Mitch Vis
Project Coordinator
(920) 929-3765

Description

Provide web access to information on planning, design and construction of residential rain gardens.

The method of measurement for this goal will be documentation of available information.

Planned: 2008 2009 2010 2011

Complete: 2009 2010

Activity Date	Name	Description
04/27/2009	Residential Rain Garden Info on Web	A rain garden pamphlet was placed on the Village Website.

1.6 Construction Site Erosion Control Education

Responsible Staff / Position: Peter Fetters
Building Inspector

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.

Justification

Education of designers and contractors will prevent a lot of problems related to erosion control.

Education Program / Public Outreach

Make BMP information available to contractors via pamphlets and web links.

Annual Reporting Items

Annual report on progress of pamphlets and web links.

Goals

1.6.1 Erosion Control information

Responsible Staff / Position: Peter Fetters
Building Inspector

Description

Produce a pamphlet on BMP for erosion control and create web links on the Village web page for more information related to construction site erosion control.

The method of measurement for this activity will be documentation of an erosion control information pamphlet and placement of a link to construction site erosion control information on the Village website.

Planned: 2010 2011

Complete:

Activity Date	Name	Description
None		

1.7 Non-Residential Property Pollution Prevention

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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.

Justification

Communicating with local business about pollution prevention will help reduce the amount of pollution produced by these properties

Education Program / Public Outreach

Make annual visits to select businesses that pose a higher pollution risk.

Annual Reporting Items

Report on number of and which businesses were contacted for the year.

Goals

1.7.1 Business Contact

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Create a list of high risk businesses and make contact with them to discuss pollution prevention and best management practices.

The method of measurement for this activity will be documentation of the list of businesses and record of contact with them.

Planned: 2010

Complete:

Activity Date	Name	Description
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None

1.7.2 Annual Inspections - High Risk Commercial Properties

Responsible Staff / Position: Mitch Vis
Project Coordinator
(920) 929-3765

Description

Visually inspect exterior surfaces of high risk business properties for indications of apparent polluted runoff or other pollution. These inspections are intended to be conducted each summer.

The method of measurement for this activity will be documentation of completed inspection reports.

Planned: 2009 2010 2011

Complete:

Activity Date	Name	Description
04/07/2009	High Risk Business Inspection Form	The attached document is the form to be used during the visual inspection.

1.8 Promote Environmentally Sensitive Land Development

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

Promote environmentally sensitive land development designs by developers and designers.

Justification

A pro-active approach with designers and developers will help the development of land in the Village to be more sensitive to the environment.

Education Program / Public Outreach

At initial meetings with developers, the Village representatives will stress the importance of BMP's and proper storm water controls to the Village

Annual Reporting Items

Report annually on current year's development and it's impact on storm water.

Goals

1.8.1 Advise Prospective Developers of Village Stormwater Requirements

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The village will have discussions with developers to make the developer aware of the Villages storm water concerns and ordinances and make sure the environmental impact of the development is kept to a minimum.

The method of measurement for this goal is confirmation of Village effort to advise developers of current Village stormwater management ordinances, policies and procedures.

Planned: 2009 2010 2011

Complete: 2009 2010

Activity Date	Name	Description
03/12/2010	Advise Prospective Developers of Village Stormwater Requirements	There were no new developers in the Village during 2009.

1.8.2 Conduct Village Plan Commission Workshop

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Conduct workshop on Village stormwater management plan requirements and policies with Village Plan Commission members to inform them of permit requirements and related stormwater plan features.

The method of measurement for this goal will be documentation of a Plan Commission workshop on stormwater management.

Planned: 2010

Complete:

Activity Date	Name	Description
None		

1.8.3 Review Zoning Code

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Review zoning code requirements to determine if current requirements are consistent with Village stormwater ordinances.

The method of measurement for this activity is completion of a zoning code review.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
11/13/2009	Review Zoning Code	The staff reviewed the zoning code for stormwater management and found no need for updates.

1.9 Distribute Public Information Pamphlets in Village Hall

Responsible Staff / Position: Mitch Vis
Project Coordinator
(920) 929-3765

Required: No

Description

Maintain supply of pamphlets related to Village storm water management plan for public access in Village Hall with individual pamphlets available on a seasonal basis. These will include pamphlets addressing topics such as: lawn care, nutrient management, car washing, pet waste management, illicit discharge detection and elimination, leaf management, rain barrels, rain gardens, shoreline management, household hazardous waste disposal and others as available.

Justification

Access to information supports local resident interests and needs, and also provides a centralized source of information on the Village's storm water management program.

Goals

1.9.1 Maintain Storm Water Management Pamphlets

Responsible Staff / Position: Mitch Vis
Project Coordinator
(920) 929-3765

Description

Maintain supply of public information pamphlets on storm water management topics for public access in Village Hall.

Planned: 2009 2010 2011

Complete: 2009 2010

Activity Date	Name	Description
03/11/2010	Maintain Storm Water Management Pamphlets	Pamphlets with storm water related information have been available in the Village's municipal building. The pamphlets were checked periodically and refilled once.

2 Public Involvement and Participation

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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:

1. Include measurable goals for public involvement and participation and,
2. Comply with applicable state and local public notice requirements.

Best Management Practices

2.1 Hold Annual Storm Water Workshop

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: No

Description

Annually, the Village will invite residents to a workshop that will involve a specific item related to storm water management. This could include information on construction of rain gardens, installation of rain barrels, catch basin stenciling, yard waste recycling, proper composting, etc.

Annual Reporting Items

Annual report on activities

Goals

2.1.1 Public Storm Water Workshop

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Hold at least one event per year for residents of the community.

The method of measurement for this activity will be documentation of the information provided at each annual workshop and the number of workshop attendees.

Planned: 2009 2010 2011

Complete: 2009

Activity Date	Name	Description
05/11/2009	Rain Barrel & Rain Garden Workshop	The Village held a rain barrel & rain garden workshop explaining how to build them and gave good information on why they are important.

3 Illicit Discharge Detection and Elimination

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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: Nick Leonard
Project Coordinator
(920) 929-3765

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 Existing IDDE Ordinance Review

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village has an Illicit discharge detection and elimination ordinance and will review it to check it for compliance with the requirements of applicable Wisconsin Administrative Code and the WPDES Permit.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
04/10/2008	Storm Water Management Ordinance	IDDE Ordinance http://www.nfdl.org/ord/CHAPTER.19final.pdf

3.1.2 Adopt Updated IDDE Ordinance

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

After review, prepare and adopt an updated IDDE ordinance to comply with all requirements of the WPDES Stormwater Discharge Permit.

The method of measurement for this activity will be documentation of ordinance adoption.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
10/28/2008	Adopted updated ordinance	Reviewed and updated ordinance

3.2 Initial Field Screening

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 Complete Outfall Information Forms

Responsible Staff / Position: Mitch Vis
Project Coordinator
(920) 929-3765

Description

Complete information on outfall characteristics and conditions. The locations will include Mosher Creek at Lake Winnebago, Anderson Creek at Minnesota Avenue, and Detention Pond outlet at Supple's Marsh.

The method of measurement for this activity will include completed outfall information forms and updating of Village GIS records.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
10/01/2008	Create Outfall inspection form	form completed

3.2.2 Inspect Mosher Creek Outfall @ Lake Winnebago

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Conduct annual outfall inspection of Mosher Creek at Lake Winnebago.

The method of measurement for this activity is documentation of the completed inspection.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
10/20/2009	Mosher Creek Outfall	Inspected Mosher Creek outfall where Mosher Creek runs under HWY 45. Took pictures and noted information on field sheets.

3.2.3 Inspect Depention Pond Outfall @ Supple Marsh

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Annual outfall inspection at detention pond on Indiana Avenue near the Village garage where the water enters Supple Marsh.

The method of measurement for this activity is documentation of the completed inspection.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
10/20/2009	Inspect Detention Pond Outfall @ Supple Marsh	Inspected outfall on SE corner of detention pond located at the South end of Indiana Avenue. Took pictures and noted important information on field sheet.

3.2.4 Inspect Anderson Creek Outfall @ Minnesota Avenue

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Annual outfall inspection of Anderson Creek discharge to Minnesota Ave.

The method of measurement for this activity is documentation of the completed inspection.

Activity Date	Name	Description
10/20/2009	Inspect Anderson Creek Outfall @ Minnesota Avenue	Inspected Anderson Creek under bridge @ Minnesota Avenue. Took pictures and noted information on field sheet.

3.3 On-going Dry Weather Field Screening

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 Perform inspection of all three major outfalls

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Inspect three major outfalls listed in initial field screening on an annual basis.

The method of measurement for this activity is documentation of the completed inspection form for each outfall.

Planned: 2009 2010 2011 2012

Complete: 2009 2010

Activity Date	Name	Description
None		

3.4 Illicit Discharge Response

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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.)

Goals

3.4.1 Review Village Spill Response Plan

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Review existing Village spill response plan and identify updates required to comply with the WPDES Stormwater Discharge Permit.

The method of measurement for this activity is a summary memo documenting any required updates.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
03/06/2009	Spill Response Plan	In the event of a known discharge, the Village will respond immediately to evaluate the situation. If at that time the Village finds it necessary, the Village will contact Emergency Services and the Wisconsin DNR.

3.5 Illicit Discharge Removal Action

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 IDDE Code Enforcement

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village will enforce provisions of its IDDE ordinance related to illicit discharge removal as necessary.

The method of measurement for this item will be completion of permit required reports.

Planned: 2008 2009 2010 2011

Complete:

Activity Date	Name	Description
02/27/2009	Code enforcement	No Action was necessary for 2008

3.6 Neighboring Jurisdiction Notification

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 Notify Neighboring Jurisdiction of Illicit Discharge

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Village staff will notify neighboring jurisdictions within 24 hours of discovery of an illicit discharge that might impact adjoining jurisdictions.

The method of measurement for this activity will be documentation of telephone, email or other written communication by the Village.

Planned: 2008 2009 2010 2011

Complete: 2008 2009 2010

Activity Date	Name	Description
02/27/2009	Notification	No illicit discharge was reported in 2008,2009,2010

3.7 Responsible Party List

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 Provide Copy of Responsible Party List

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village will provide a current copy of the responsible party list for illicit discharges and spills to the WI Department of Natural Resources annually.

The method of measurement for this activity will be confirmation of submittal of a responsible party list from the Village.

Planned: 2009 2010 2011

Complete: 2009

Activity Date	Name	Description
03/06/2009	Responsible Party List	List of Contacts in the event of Illicit Discharge.

4 Construction Site Pollutant Control

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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: Nick Leonard
Project Coordinator
(920) 929-3765

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 establish or include:

1. Applicability and jurisdiction.

(1) It shall apply to all construction sites with one acre or more of land disturbance, and to 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) It does not have to apply to construction sites that are listed under s. NR 216.42(2) to (11), Wis. Adm. Code, except that it shall apply to construction sites listed under s. NR 216.42 (4) and (9) where erosion control authority has been delegated to the permittee by the Wisconsin Department of Commerce.

(3) If the permittee is a city, village, county or town and does not have authority from the Wisconsin Department of Commerce (Commerce) to regulate erosion control at public buildings and places of employment, the permittee shall request such authority from Commerce pursuant to s. 101.1205(4), Wis. Stats., within 18 months after the start date. If Commerce delegates to the permittee the authority to regulate erosion control at public buildings and places of employment, the permittee shall exercise such authority as soon as possible.

2. Erosion and sediment control criteria, standards and specifications equivalent to those approved by the Department. Department erosion and sediment control standards are available through the Department's storm water Internet site at: <http://dnr.wi.gov/org/water/wm/nps/stormwater.htm>.

3. Construction site performance standards equivalent to or more restrictive than those in ss. NR 151.11 and 151.23, Wis. Adm. Code.

4. Erosion and sediment control plan requirements for landowners of construction sites equivalent to those contained in s. NR 216.46, Wis. Adm. Code.

5. Inspection and enforcement authority.

6. Requirements for construction site operators to manage waste such as discarded building materials, concrete truck washout, chemicals, litter and sanitary waste at the construction site so as to reduce adverse impacts to waters of the state.

Goals

4.1.1 Review Construction Site ESC Ordinance

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village will review its Construction Site Erosion and Sediment Control Ordinance for compliance with applicable WI Administrative Code and WPDES Stormwater Permit requirements.

The method of measurement for this goal will be determination of need for revision or replacement of the existing ordinance to meet WPDES Stormwater Discharge Permit requirements.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
08/22/2008	Reviewed Existing Construction Site ESC Ordinance	Completion of ordinance review determined that the existing ordinance be replaced using a modified version of the NEWS sample ESC ordinance to comply with WPDES Stormwater Discharge Permit requirements.

4.1.2 Update Construction Site ESC Ordinance

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Prepare a new construction site ESC ordinance for Village adoption using the NEWS sample ESC ordinance. Present the updated ordinance to the Village Board for adoption on 10/6 and 10/20/2008.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
10/20/2008	Updated ESC ordinance	Updated and adopted

4.1.3 Request Delegation of Authority from Department of Commerce

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village of North Fond du Lac has requested and obtained delegation of authority from the Department of Commerce to regulate erosion control at public buildings and place of employment pursuant to s. 101.1205(4), Wis. Stats.

Planned: 2006

Complete: 2006

Activity Date	Name	Description
10/16/2006	Delegated Authority for Erosion Control	The Village of North Fond du Lac requested and was granted delegation of authority for erosion control at public buildings and places of employment from the Department of Commerce, pursuant to s. 101.1205(4) Wis. Stats. prior to issuance of the WPDES permit. The activity date shown represents the first day of business after the permit date of

4.2 Construction Site Inspections

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

Procedures for construction site inspection and enforcement of erosion and sediment control measures. At a minimum, the procedures shall establish:

1. Municipal departments or staff responsible for construction site inspections and enforcement.
2. Construction site inspection frequency.
3. Construction site inspection documentation.
4. Enforcement mechanisms that will be used to obtain compliance.

Goals

4.2.1 Document Construction Site Inspection Procedures

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village shall develop construction site inspection procedures that establish staff responsibility for inspection and enforcement, inspection frequency requirements, documentation standards and requirements and enforcement procedures and mechanisms that will be used to obtain compliance.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
10/27/2008	Construction Site Inspection	adopted in chapter 20 of the village ordinance

4.3 Public Information Response Procedures

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

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

Goals

4.3.1 Document Public Information Response Procedures

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village will summarize its procedure for responding to public information.

The method of measurement for this goal will be a memo summary of Village public response procedures.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
02/27/2009	Public Information Response Procedure	If a person contacts the Village with information or a question about illicit discharge, the Village will contact the individual within 10 days of the first interaction.

5 Post-Construction Storm Water Management

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 Ordinance

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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.

Goals

5.1.1 Review Ordinance

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Review existing ordinance for post construction maintenance and make necessary changes.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
08/10/2008	Post Construction Ordinance	The Village's existing post construction requirements are published in Chapter 20 of the Village municipal code at: http://www.nfdl.org/ord/CHAPTER.20final.pdf Review of the existing code determined that revisions are required to meet the WPDES Stormwater Discharge Permit requirements.

5.1.2 Adopt Updated Post Construction Ordinance

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Prepare an updated post construction ordinance based on the NEWSC sample ordinance to comply with the WPDES Stormwater Discharge Permit requirements. Present to Village Board for approval on 10/6 and 10/20/2008. Publish adopted ordinance.

The method of measurement for this goal will be adoption and publication of the updated ordinance.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
10/20/2008	Adopted Revised Ordinance	The Village Board adopted new ordinances based on the NEWSC model.

5.2 Long-Term Maintenance Procedures

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

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

Goals

5.2.1 Develop Maintenance Procedures

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Gather and review maintenance procedures for all ponds and structure located in the Village.

The method of measurement for this activity will be a summary document of maintenance procedures for all Village stormwater ponds, lift stations and proprietary devices.

Planned: 2009 2010 2011

Complete: 2009

Activity Date	Name	Description
05/20/2009	Pond and Lift Station Maintenance Procedures	<p>Detention Ponds -Stormwater slowly erodes the ground and carries sediment to the Villages storm ponds and rivers. This increase of sedimentation will eventually build up and become a nuisance to the stormwater flow and pond capacity. The Village of North Fond du Lac has 5 stormwater ponds. Once every two years each pond will be measured for proper bottom elevations. Using surveying equipment, the existing elevations will be determined and checked with the original pond plans. If the existing pond elevations are different from the planned elevations, the Village will remove all necessary material to obtain to the planned elevations.</p> <p>Lift stations -The Village operates one stormwater lift station located on the South end of Indiana Ave near the Village garage. The lift station is monitored daily. The meter is read and recorded to ensure everything is working properly. If anything unusual occurs, the public works department will assess the situation and handle it as necessary.</p>

6 Pollution Prevention

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

Routine inspection and maintenance of municipally owned or operated structural storm water management facilities to maintain their pollutant removal operating efficiency.

Goals

6.1.1 Stormwater Facilities Maintenance Manual

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The village will create maintenance procedures and schedules for all stormwater related facilities.

Planned: 2010

Complete:

Activity Date	Name	Description
None		

6.2 Street Sweeping / Catch Basin Cleaning

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

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

Goals

6.2.1 Street Sweeping Plan

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The village will create a street sweeping plan including frequency based on SLAMM modeling done in late 2008.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
05/20/2009	Street Sweeping Plan	Street Sweeping Plan -All curb and gutter areas of the village will be swept once a month during the spring, summer, and fall months were the roads are completely free of any ice or snow. The SLAMM modeling was based on a once a month occurrence and the Village does not feel it is capable of increasing the frequency of sweeping.

6.3 Sweeping and Basin Waste Disposal

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

Proper disposal of street sweeping and catch basin cleaning waste.

Goals

6.3.1 Sweeping and Basin waste disposal plan

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The village will identify proper procedures for disposing of waste from both street sweeping activities and basin cleaning.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
05/20/2009	Sweeping and Basin Waste Disposal	All materials collected during the street sweeping and catch basin cleaning will be disposed of at Compost Joes. This compost site is located outside of the Village limits in the Town of Eldorado. Compost Joes has their own composting procedures.

6.4 Salt/ Deicer Application Management

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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.

Goals

None

Activity Date	Name	Description
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None

6.5 Leaf and Grass Clipping Management

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 Composting Procedures

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The village will look at its current composting procedures of collected leaf and grass clipping materials. The village will identify procedures that will increase the effectiveness of composting and minimize runoff.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
03/06/2009	Village Composting Procedure	The Village employees collect all of the Village's leaf and grass clippings either by curbside pickup or from the resident dropoff area located at the Village garage. All of the leaf and grass clippings are collected by the Village and transported to Compost Joe's, which is a site located outside of the Village in the town of Eldorado.

6.6 Municipal Facility SWPPPs

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

Storm water pollution prevention planning for municipal garages, storage areas and other sources of storm water pollution from municipal facilities.

Goals

6.6.1 Village Facilities Inspection

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The village will inspect all of it's facilities for stormwater pollution sources. The village will then come up with a plan to minimize the pollution from it's facilities.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
08/13/2009	Village Facilities Inspection	After inspecting the Village facilities, the Village is going to start washing vehicles indoors rather than outdoors at the Village garage. This will help keep the amount of pollutants from enter the storm water system.

6.7 Nutrient Application Management

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 Management Plan

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village will not apply any nutrients to any of its property unless it is absolutely necessary. If the Village determines it must, the Village will follow BMPs.

Planned: 2007 2008 2009 2010 2011

Complete: 2007 2008 2009 2010

Activity Date	Name	Description
10/22/2008	Nutrient Application	The Village did not apply any nutrients to any of its land in 2008.

6.8 Staff Training and Education

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

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

Goals

6.8.1 DPW employee training

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village has purchased a seminar that explains storm water pollution sources. The village will show the seminar to all DPW employees.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
12/18/2008	DPW employee training	DPW staff watched Municipal Storm Water Pollution Prevention employee training.

6.9 Source Water Protection Measures

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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
None		

7 Storm Water Quality Management

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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: Nick Leonard
Project Coordinator
(920) 929-3765

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 Achieve 20% TSS Reduction

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village will strive to achieve 20% reduction of TSS by 2008.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
10/23/2008	20% TSS Reduciton	The Village has run SLAMM modeling and proved that they are currently achieving 31.9% removal of TSS annually with it's current storm water BMP's, with a large part of the reduction coming from the five stormwater ponds located in the Village.

7.2 Evaluation of Existing Facility for Retrofit

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 Evaluate Current Flood Controls

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village will evaluate different alternatives to achieve 40% TSS removal by looking at it's existing ponds to see if there is opportunity for retrofitting.

Planned: 2009 2010 2011

Complete: 2009

Activity Date	Name	Description
12/09/2009	Evaluat Current Flood Controls	The Village has evaluated about half of the current flood controls. The current flood controls cannot be retrofitted due to the threat of flooding.

7.3 Pollutant Loading Analysis Model (SLAMM/ P8)

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 SLAMM Modeling

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

The Village will calculate the TSS removal efficiency of the existing BMP's using the latest addition of SLAMM.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
10/23/2008	SLAMM Modeling	The Village has completed the SLAMM assessment and has determined that the current BMP's are achieving a 31.9% TSS removal on an annual basis.

8 Storm Sewer System Map

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description:

The permittee shall develop and maintain a MS4 map.

Best Management Practices

8.1 Storm Sewer System Map Requirements

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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 Collect Storm Sewer System Data

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Collect storm sewer system manhole and feature location data using GPS data collection methods and update GIS database with new information.

Planned: 2007

Complete: 2007

Activity Date	Name	Description
08/23/2007	Collected Data	SEH collected all data in 2007

8.1.2 Prepare Storm Sewer Map

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Prepare draft storm sewer map for review; revise and prepare final version for adoption by Village and inclusion in Village GIS database.

Planned: 2008

Complete: 2008

Activity Date	Name	Description
10/24/2008	Storm Sewer System Map	The storm sewer system map is complete and has been implemented into our GIS system.

8.1.3 Maintain Storm Sewer Map

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Review storm sewer map information annually and update GIS database to keep current.

Planned: 2008 2009 2010 2011

Complete: 2008 2009 2010

Activity Date	Name	Description
03/11/2010	Maintain Storm Sewer Map	The Villages storm sewer map is updated any time new storm water is added to the system.

9 Annual Report and Storm Water Management Program Funding

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

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: Nick Leonard
Project Coordinator
(920) 929-3765

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 Submit Annual Report To DNR

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Submit report using DNR report form for 2007 and acceptable report format by March 31, annually.

Planned: 2007 2008 2009 2010

Complete: 2007 2008 2009 2010

Activity Date	Name	Description
03/28/2008	Annual Report 2007	Submitted report to DNR March 28, 2007

9.1 Maintain WPDES Permit and Apply for Renewal

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

Apply for permit renewal at least 180 days prior to permit expiration date, with first reapplication required no later than March 31, 2009, 180 days in advance of the WPDES General Permit expiration date of 12/31/2010.

Goals

9.1.1 Permit Reapplication

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Submit application for new permit by 3/31/2009.

Planned: 2009

Complete: 2009

Activity Date	Name	Description
03/12/2010	Permit Reapplication	The permit reapplication will take place after being approved at a Village board meeting on 3/15/09

9.2 Annual Funding Information

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: No

Description

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

Goals

9.2.1 Storm Water User Charge System

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Description

Create and implement a storm water user charge system, including an authorizing ordinance and adoption of annual budgets.

Planned: 2006 2007 2008 2009 2010

Complete: 2006 2007 2008 2009 2010

Activity Date	Name	Description
01/01/2007	Created Storm Water Utility	The Village of North Fond du Lac created a storm water utility effective January 1, 2007 and began collecting fees in 2007. Authorization for the utility is included in the Village municipal code.
02/12/2008	Adopt 2008 Stormwater Utility Budget	The Stormwater Utility Budget was adopted for 2008.

9.3 Annual Program Costs

Responsible Staff / Position: Nick Leonard
Project Coordinator
(920) 929-3765

Required: Yes

Description

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

Goals

None

Activity Date	Name	Description
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None
