

STORMWATER QUALITY MANAGEMENT PLAN

Report prepared for the
Town of Cedarburg by
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Executive Summary

- October 1999 – USEPA adopted phase II of the NPDES
- Require ‘urbanized’ municipalities to reduce Total Suspended Solids (TSS) in stormwater discharges to waters of the State
 - 20% by March 31, 2008
 - 40% by March 31, 2013

Executive Summary

- WPDES permit issued by DNR effective January 19, 2006
- Up for renewal December 31, 2010
- Permit allows discharge to waters of the State.
- Requires TSS reduction to meet Phase II requirements.

Executive Summary

- Stormwater Management Plan Goals
- Reduce TSS to waters of the State
- Increase Citizen awareness of stormwater run-off issues
- Implement Best Management Practices (BMP) to comply with EPA/DNR requirements

Minimum Control Measures

- Public Education & Outreach
- Public Involvement & Participation
- Illicit Discharge Detection and Elimination
- Construction Site Pollution Control
- Post-construction Stormwater Management

Minimum Control Measures

- Pollution Prevention for Municipal Operations
- Stormwater Quality Management

Stormwater Quality Management

- 20% required by March 10, 2008
- Currently at 28.8% for the Town's urbanized area
- 40% required by March 10, 2013
- 11.2% reduction gap to close over the next 5 years.

URBANIZED AREA

- East Town Limits, Pioneer Rd, City Limits, Lakefield Rd.
- Evergreen Blvd, Pioneer Rd, Wauwatosa Rd, Lincoln Blvd.
- Wauwatosa Rd, Western Ave, Horns Corners Rd, Sherman Rd.
- East Town Limits, STH 60, CTH I, Cedar Sauk Rd.

URBANIZED AREA

- CTH I, Susan Lane, Wauwatosa Rd, STH 60.
- CTH I, Hannemann Rd, Cedar Sauk Rd.
- Thornapple Ln, Hawthorne Ln, & Keup Rd.
- Parcel larger than 5 acres are exempt

Closing the Gap

- Ditch checks on slopes <4% to lower velocity – Reduces the Gap to 10.7%
- Wet Detention Pond South of Industrial Park – Reduces the Gap to 1.8%
- Ownership of, or Maintenance Agreement for, STH 60 - CTH ditches – Achieves 40% reduction

NR 151 Performance Standards

- Required by NR 216 – Municipalities required to implement minimum control measures
- “Maximum Extent Possible”
- NR 151 defines with performance standards.

NR 151 Stage 1 - March, 2008

- Public Information and Education Program
– DNR Materials
- Municipal Programs for Leaf & Grass Collection
- Evaluate Fertilizer Application Policies on Town Properties
- Illicit Discharge Program
- 20% / 40% TSS Reduction

Plan Objectives

- Improve the quality of water in receiving waterways, including Cedar Creek, Mole Creek, and the Milwaukee River, and groundwater recharged by infiltration
- Increase citizen awareness
- Implement Best Management Practices

Current Public Education & Outreach

- Town employees report illicit discharge
- Education materials available at Town Hall
- Rain Gardens / Rain Barrels
- Paving Driveways
- Private Yard Waste Composting
- 'Conservation' Subdivisions – 100 year storm 50% open space

Current Public Education & Outreach

- New developments must include infiltration per NR 151
- Promote environmentally sensitive land development – Conservation Subdivisions
Country Side Residential, Transition Residential, Estate

New Public Education & Outreach

- Education Program for employees & residents – raise awareness concerning stormwater runoff and minimizing potential harmful effects.
- Policy for addressing Stormwater management issues—reporting and responding

Current Public Involvement & Participation

- Hearing of the People at monthly Board meetings
- Biannual newsletter, e-notify, web site to inform the public of permit requirements
- Public Hearings on re-zoning
- Public Hearings on revisions to the Comprehensive Land Use Plan

New Public Involvement & Participation

- Update residents on stormwater program progress at Annual Meeting
- County wide information and education program—April 13, 2009

Current Illicit Discharge Policy

- Town employees (public works) are instructed to report any type of suspected illicit discharge in the Town's ditches, easements and parks.
- Respond to citizen concerns
- The Fire Department is the first responder
- County Haz-Mat team

New Illicit Discharge Policy

- The Town adopted an illicit discharge ordinance in November 2008
- Includes revisions to sump pump and roof drain discharges
- Scheduled screening of outfalls in the urbanized area

Current Site Pollution Control

- Construction Site Erosion Control Ordinance adopted January, 1991
- Ordinance administration coordinated between the Plan Commission, Town Board, Director Public Works, Building Inspector, and Contract Consultant

New Construction Site Pollution Control

- Town adopted a new ordinance and Erosion Control and Stormwater Management Requirements in November, 2008
- Clearer requirements and standards for construction site erosion control.
- Puts more 'ownership' on property owner/contractor

Current Post-construction Stormwater Management

- No current ordinance. Proposed development reviews for conformance to NR 151
- Stormwater requirements administered jointly by Plan Commission, Town Board, Director Public Works, and Engineering Consultant

New Post-construction Stormwater Management

- Town adopted Post-construction Site Stormwater Management Ordinance in November, 2008
- Document number of stormwater management permits issued each year
- Established requirements and standards for storm water management

Current Municipal Operations Pollution Prevention

- Maintenance of Town-owned ditches and public drainage easements
- Where possible Town residents mow ditches adjacent to their property
- Track use of deicing agents
- Town managed compost collection and storage

Current Municipal Operations Pollution Prevention

- Management of municipal garage and yard
- Policy of non-use of fertilizers on Town-owned properties
- Measures to reduce municipal sources of stormwater within source water protection areas

New Municipal Operations Pollution Prevention

- Research methods to reduce deicer use while maintaining public safety
- Prepare a wellhead protection plan for Town Hall

Current Stormwater Quality Management

- Review new developments for compliance with NR 151
- Currently meets permit requirements for minimum 20% TSS reduction – 28.8%

New Stormwater Quality Management

- Complete second phase of planning to evaluate most cost effective way to achieve 40% TSS reduction by November, 2009 and implement by 2013

Other Considerations

- Possible changes to 'urbanized' area with 2010 census.
- Cooperation with other communities and non-profits