

**MINUTES OF THE STAKEHOLDER MEETING
FOR THE COMFORT LAKE -FOREST LAKE WATERSHED DISTRICT (CLFLWD)
TOTAL MAXIMUM DAILY LOAD (TMDL) STUDY ON ITS SIX IMPAIRED LAKES**

WEDNESDAY, APRIL 8, 2009

Welcome and Opening Remarks

The CLFLWD TMDL TAC/CAC Stakeholder Committee Meeting convened at 1:00 p.m. on April 8, 2009, at the Forest Lake City Offices, 220 North Lake Street, Forest Lake, Minnesota. Randy Anhorn, Administrator/Limnologist for CLFLWD, welcomed the group to the stakeholder meeting which he stated was a continuation of the four stakeholder meetings held in 2007 and 2008 as a part of the District's watershed-wide load allocation modeling and preliminary design development process which provided the basis for the District's capital improvement plan (CIP), and the basis for the resulting TMDL.

Mr. Anhorn stated that the purpose of the meeting was to provide an overview of the TMDL process including the assumptions and process of determining resulting waste load allocations for each municipality within the District, the presentation of the load allocations, an overview of the resulting implementation plan, and to seek input on implementation ideas.

After stakeholder introductions, Mr. Anhorn gave way to Ms. Lisa Tilman of Emmons and Olivier Resources (EOR) who provided the outline for the meeting.

Lisa Tilman gave a presentation providing an in depth overview of the District's TMDL study, and the progress thus far. Ms. Tilman discussed the TMDL process, and went through:

- The District lakes involved in the District's TMDL and presented their historical phosphorus concentrations
- PCA TMDL requirements and processes
- Discussed current and future MS4s within the District
- Went through the TMDL Load Allocations (LA) including those for the:
 - Wasteload Allocation (WLA)– enforced through state permits
 - City of Forest Lake (Comfort, Shields, L. Comfort, Bone)
 - NPDES construction and industrial stormwater permits
 - Community septic systems at “Liberty Ponds” and “The Preserve at Birch Lake”
 - Future MS4s: City of Wyoming, City of Chisago City, and the City of Scandia
 - Load Allocation (non-MS4 and nonpoint)
 - Non-MS4 portions of Cities of Forest Lake, Scandia, Wyoming, and Chisago City
 - Chisago Lake Township
 - County-registered Feedlots
 - Individual septic systems

- Internal loading
 - Atmospheric deposition
 - Allocation Process
 - District's Water Quality Study determined each lake's assimilative capacity based on monitoring and modeling
 - Assimilative capacity = TMDL
 - Divide TMDL up to WLA and LA
 - Goal watershed load defines WLA for construction and industrial stormwater permits
 - Upstream impaired lake load portion of LA
 - Livestock load portion of LA
 - Remaining watershed load divided between municipalities' WLA and LA
 - Atmospheric and groundwater load portion of LA
 - Other permits define WLA based on contribution
- Went Through the CLFLWD TMDL Allocation Assumptions and provided examples
 - Assume that upstream TMDL lakes meet water quality goal
 - Assume that upstream un-impaired lakes maintain current quality (non-degradation)
 - Example: Bone Lake
 - Assumptions:
 - Moody Lake meets water quality standard
 - Sea and Third Lakes remain at existing water quality (non-degradation)
 - Allocation:
 - Load into Bone Lake from Moody Lake allocated as a load allocation because the wasteload allocation was conducted under Moody Lake's TMDL
 - Wasteload allocation for construction and industrial NPDES stormwater permits based on % land area under construction
- Presented TMDL allocations for each of the impaired lakes
- Presented the resulting TMDL Implementation Plan including
 - Implementation Plan level required in this grant from MPCA
 - Conversion of District's *Watershed and Lake Water Quality Investigation* study and Capital Implementation Plan (CIP).
 - External (watershed) and internal mix of projects
 - Add/delete projects identified by CLFLWD (ex. after Shallow Pond study)
 - Projects addressing External issues
 - Wetland restoration (or avoidance if wetland suspected as P source)
 - Moody, Bone, School (Birch), Little and Comfort
 - Buffers/livestock control
 - Moody, Bone, School, Little Comfort, and Shields
 - Infiltration/filtration

- Bone
 - Detention ponding
 - Comfort Lake
 - Channel stabilization
 - Forest Lake Outlet (potential project)
- Projects addressing Internal issues
 - Fish management (barriers, rough fish removal) on Moody, Bone, Little Comfort, Shields, Comfort lakes
 - Alum treatments on Moody, Bone, Little Comfort, and Shields lakes
 - Curly-leaf pondweed control on Moody, Bone, Little Comfort, Shields, and Comfort lakes
 - Biomanipulation (food-chain control) for Shields Lake
 - Aeration (winter-kill control) on yet to be determined lakes
- Discussed District programs that are currently in place that address water impairments
 - District Rules and Permit Program (including site plan review)
 - Education Program (including Planting for Clean Water workshops)
 - BMP Cost-Share Incentive Program (to promote native plantings including shoreland buffers and raingardens)
- Then opened the presentation up for questions and asked the group for their thoughts and ideas on the items/project types included in the Implementation Plan.

Discussion

Anne Hurlburt (City of Scandia) asked about how load allocations (communities under a population of 5,000) and waste load allocations (communities within an approved TMDL with populations over 5,000) were determined for each municipality and if it included the whole city, or just portions of the municipality that fall within the District or drainage area to an impaired lake.

Lisa Tilman responded that that the numbers were based on land use, with the total area of more intense land uses leading to the WLA and the less intense land uses leading to the LA. The percentage of land area for each (more intense land uses and less intense land uses) under future conditions were used to take a percent of the TMDL watershed load. The types of land uses in each category were based on MPCA guidance and are used to approximate the boundaries of the MS4. MS4 boundaries do not necessarily follow the municipal boundary. Lisa Tilman added that Scandia had very little land use in the WLA category and is most often part of the LA.

Anne Hurlburt asked about the “next steps” and timeline for the TMDL. Lisa Tilman went over the next steps including sending the draft TMDL study with Implementation Plan to the MPCA for review and then to revise after MPCA/EPA comments, post public notice and hold public hearing and then submit final plan to MPCA/EPA for approval. Chris Klucas (MPCA) went though the estimate timeline including 30 day MPCA review of the draft, 30 EPA review,

30 day general public review prior to the public hearing, and finally a 30 final review seeking approval.

Andre Plevan (EOR) mentioned the importance of including potential water quality or quantity projects that municipalities solely, or in partnership with the watershed, may have ideas or plans for. The inclusion of such projects in an approved TMDL opens up funding options.

Paul Hudalla(WSB) stated that once the TMDL was approved, the City of Wyoming would be updating their Surface Water Management Plan to address the District's new rules/standards as well as requirements coming out of the TMDL itself.

Jerry Spetzman (Chisago County) asked if stream segments had been assessed and if there were portions of the stream(s) listed as impaired and addressed in the TMDL study. Lisa Tilman, Randy Anhorn (CLFLWD), Chris Klucas, and Erik Anderson (WCD) each addressed the question stating that there were segments that may be listed in the future for low dissolved oxygen, turbidity and E. coli. Randy Anhorn stated that unless the potential impairment could be easily incorporated or addressed in the current TMDL, it would be difficult to include it into this TMDL due to financial and timing reasons.

Chris Klucas stated that the stream impairment may be able to easily be addressed if the stream impairment could be linked to or a result of the impairment of an upstream lake and the remediation of the upstream lake would result in the improvement of the downstream stream.

Tom Lynch (CLFLWD) ask for an update from the agencies about if there would potentially be more grant monies available for an approved TMDL. Chris Klucas and Melissa Lewis (BWSR) went through the differences between the existing Clean Water Legacy monies and recently voted upon Clean Water Amendment monies (which the exact distribution process has yet to be decided). Tom Lynch stated the importance of getting the TMDL approved in a timely fashion in order to be able to compete for project funds to better leverage the District's tax dollars.

Roger Hugill (DNR) discussed the importance of including shoreland buffers to lake water quality and the need include them in the TMDL's Implementation Plan. Randy Anhorn discussed the District's BMP Cost-Share Incentive Program as an important source to promoter and fund shoreland buffer projects, as well as other native planting projects to address stormwater runoff.

Tom Lynch asked about agency review of "shovel ready" projects slated for stimulus monies and asked if all environmental concerns were to be addressed as part of the process, or if some projects would possibly be "fast-tracked". None of the agency representatives present were aware of any projects being "fast-tracked" and thought that all would still have go through the necessary environmental reviews and meet all standards.

Adjournment

Randy Anhorn again thanked all those who attended the stakeholder meeting and asked that information on any potential water quality and/or quantity project(s) that a municipality may look to undertake, be forwarded on to him for possible inclusion in the TMDL's Implementation Plan. Randy Anhorn also thanked EOR for the informative presentation.

List of Attendees

Erik Anderson	Washington Conservation District
Randy Anhorn	CLFLWD
Paul Hudalla	City of Wyoming (WSB)
Roger Hugill	MN DNR
Anne Hurlburt	City of Scandia
Chris Klucas	MPCA
Jim Levitt	MN DNR
Melissa Lewis	BWSR
Tom Lynch	CLFLWD
Jessica Collins-Pilarski	Washington County
Andrea Plevan	Emmons and Olivier Resources (EOR)
Jerry Spetzman	Chisago County
Casey Thiel	Chisago County SWCD
Jyneen Thatcher	Washington Conservation District
Lisa Tilman	EOR