

MINNEHAHA CREEK WATERSHED DISTRICT

Technical Advisory Committee

Summary of April 16th 2009

Committee Members Present: Pat Byrne (Mpls), Derek Asche (Plymouth), Jack Frost (MCES), Brent Lindgren (Henn. Co. Transportation), Cara Geheren (Victoria), Jesse Struve (Edina), Mike Kelly (Wayzata), Kristin Asher (Richfield), Kristen Larson (Carver Co.)

MCWD Managers Present: None

MCWD Staff Present: James Wisker

Introduction:

James Wisker began the meeting by asking if there were additions to the agenda or revisions need to the April 9th meeting summary. No additions or revisions were requested.

James Wisker reviewed discussion from the April 9th, TAC meeting during which the committee discussed stormwater management on redeveloping (commercial) parcels that would result in a net decrease in impervious surface.

James asked the TAC how components of the previous week's discussion could be applied to redeveloping parcels that would result in a net increase in impervious surface.

Jesse Struve reviewed the framework developed on April 9th which categorized sites by overall parcel size into Small, Medium or Large sites. Jesse pointed out that this approach was favored because it prioritizes treatment on larger sites and avoids onerous requirements for "mom and pop" sites.

Derek Asche agreed, stating that the parcel size approach provides an economy of scale.

Jack Frost also agreed and mentioned that whatever approach was utilized, it would likely deal with sites in an incremental manner rather than providing a sliding scale of stormwater requirements.

Mike Kelly indicated that the approach also provides a regulatory incentive to reduce hardcover on all sites, which targets the MCWD's Plan Goal of no net increase in phosphorus loading from developing/redeveloping sites.

Derek Asche began the discussion by stating that Plymouth applies their no degradation requirements to disturbance of ½ acre or larger.

Jack Frost noted that a 5 acre redevelopment is particularly large and probably uncommon. He recommended that sites larger than 5 acres should be required to meet the MCWD's standards for water quality and volume control for any new impervious surface, and that if more than a 50% increase in hardcover or site disturbance was proposed, the requirements should apply to the entire sites hardcover.

Mike Kelly recommended that sites that are starting fresh by scraping the site or disturbing more than 50% of the site should be required to meet stormwater management goals if they are increasing total site hardcover. He recommended that small sites should be at least required to provide best management practices that provide some water quality benefit.

Jack Frost asked the group what percentage of redevelopments would actually increase hardcover as opposed to those that would reduce hard cover.

The group offered several examples and concluded that there were a significant number of medium sized redevelopments that resulted in net increases of impervious surfaces.

Pat Byrne asked that if there are three parcel sizes, three triggers and known potential requirements, why a matrix similar to the one in the existing rule would not be an appropriate tool to use within the rule.

The TAC entered into open discussion at this point, utilizing the white board to develop a matrix of stormwater management requirements based on parcel size and changes in impervious surface (Table 1.)

Redevelopment Increasing Hardcover

Parcel Size	Trigger	Requirements	Treatment Scope
0 - 1 acre	10% Increase in Impervious OR 5,000 sq. ft. Increase in Impervious	BMP	Additional Impervious Surface
1 - 5 acre	5,000 sq. ft. Increase in Impervious	Volume Control (1/2" - 1") AND No Net Increase in P Load	Additional Impervious Surface
	50% Site Disturbance OR 50% Increase in Impervious	Volume Control (1/2" - 1") AND No Net Increase in P Load	Entire Sites Impervious Surface
> 5 acre	5,000 sq. ft. Increase in Impervious	Volume Control (1/2" - 1") AND No Net Increase in P Load	Additional Impervious Surface
	50% Site Disturbance OR 50% Increase in Impervious	Volume Control (1/2" - 1") AND No Net Increase in P Load	Entire Sites Impervious Surface

The previous week's (April 9th) discussion focused on Redevelopment that results in a decrease in impervious surface. These recommendations are summarized below:

Site Size	Site Disturbance	Trigger	Requirements
0 - 1 acre	N/A	Reduced impervious surface	No volume control
			Incorporate BMP's where practical
1 - 5 acre	< 50% site disturbance	10% reduction in impervious surface	No volume control
		0 - 9% reduction in impervious surface	Incorporate BMP's where practical
	> 50% site disturbance	10% reduction in impervious surface	No volume control
		0 - 9% reduction in impervious surface	Volume control required for sites impervious surface
> 5 acre	< 50% site disturbance	10% reduction in impervious surface	No volume control
		0 - 9% reduction in impervious surface	Volume control required for sites impervious surface or BMP's
	> 50% site disturbance	N/A	Volume control required for sites impervious surface