

Eric:

As per your request in the public information meeting on May 19, 2010 the following is a summary of our comments on the new stormwater rule.

1. **Pre-development Conditions.** We recommend the use of existing conditions land cover versus native conditions. At a minimum we recommend that you consider a cut-off date for existing conditions (i.e. 1970's).
2. **Natural vegetative community categories.** It does appear that all NRCS map ID's are represented.
3. Managed Aquatic Plants nutrient credits are proposed but the rule still requires independent scientific data based on monitoring to verify nutrient load reduction. Is there still insufficient data on both MAPS and Littoral zones to not clearly identify a credit? Or is this focused more on the MAPS?
4. We propose that you consider a public / private partnership or incentives to fund additional research and testing to develop more comprehensive data for removal efficiencies.
5. **Wet Detention.** Nutrient loads from base flows will need to be accounted for if the control elevation is greater than 6" below ESHGWT. The rule allows for control elevations at the average wet season or 6" below ESHGWT. Is there sufficient data available for ground water nutrient loads, will it be added to the rule?
6. **Stormwater Harvesting.** How will the CUP permitting conflicts be resolved? Municipalities have requirements for distribution of reclaimed water as part of their CUP permits, this impacts the ability of projects to implement a harvesting system.
7. **Rainwater Harvesting.** This needs to be added to the list of BMPs as it truly is the wave of the future in supplementing irrigation needs.
8. **Low Impact Development.** This needs to be added to the list of BMPs. Source controls could be included as part of deed restrictions for communities.
9. **Reclaimed Water.** Has any additional evaluation of reclaimed water and the contribution of Nitrogen and Phosphorus to the stormwater management system been completed? How does reclaimed water effect EMC values?
10. How was the 3% credit for Florida friendly landscaping derived?
11. For projects that involve re-development, there should be a greater emphasis on providing incentives (i.e. less restrict water quality requirements). In addition, in the current draft if the rule cannot be met a feasibility analysis can be performed; however the feasibility analysis needs more specific requirements. How will it be reviewed? Will it be consistently reviewed from reviewer to reviewer and from Water Management District to Water Management District?
12. **Dry Detention Ponds.** This needs to be added to the list of BMPs as much of Florida has high groundwater tables with little ability to retain stormwater.

Thanks,

Paul W. Yeargain, P.E., CFM
Orlando, FL Office Manager

VHB | Vanasse Hangen Brustlin, Inc.
Transportation | Land Development | Environmental Services
225 E. Robinson Street, Suite 300
Landmark Center Two
Orlando, FL 32801
Phone: 407.839.4006 x8062 | Fax: 407.839.4008

pyeargain@vhb.com