

**Carter Run, Great Run, Thumb Run and Deep Run  
TMDL Implementation Plan Development**

***Residential Working Group- Meeting #2***

**October 3, 2005 7:00-9:00pm  
John Barton Payne Building Warrenton, VA**

**Summary [DRAFT]**

**Attendees**

Toni Crouch, Chuck Hoysa, Nancy Huffine, Frank Hyson, Charlie Lunsford, Bill Plissner, Charles Shepherd, Bob Tudor, Jeffrey Walker

The meeting began with an overview of the first working group meeting that was held on June 2, 2005.

**BMP Identification**

- Engineering Concepts, Inc. (ECI) described that the residential bacteria sources that need to be reduced according to the TMDLs include failing septic systems, straight pipes and pet waste.
- The five BMPs that will be cost-share during the implementation phase to address failing septic systems and straight pipes were discussed. These include:
  1. RB-1 Septic Tank Pumpout
  2. RB-2 Connection of Malfunctioning On-site Sewage Disposal System or Straight Pipe to Public Sewer
  3. RB-3 Septic Tank System Repair
  4. RB-4 Septic Tank System Installation/Replacement
  5. RB-5 Alternative On-site Waste Treatment System
- Other strategies to be considered in the implementation plan will include indirect actions such as signage on public lands, survey to determine pet waste disposal practices, educational materials identifying acceptable pet waste disposal methods, inventory of pet kennels, leash law; pet waste collection and removal, vegetative buffers, and structural stormwater BMPs.

**BMP Quantification and Cost Estimates**

- The group reviewed data regarding the number of straight pipes and failing septic systems per impaired stream segment based on TMDL studies. ECI high and low cost estimates to eliminate straight pipes and correct failing septic systems were reviewed with a combination of the five BMPs listed above. Charles Shepherd with Fauquier County Health Dept. commented that some of the unit costs needed to be increased to reflect local conditions. ECI agreed to follow up with the Health Dept. to get better cost-data.

- Also, a suggestion was made to consider looking at various data sets as soils, lot size, and GIS with land and stream boundaries to help identify problem areas.

### **Educational and Technical Assistance**

- The group reviewed a list of educational outreach approaches/tools that was based on input from the first working group meeting. Some of the suggestions had originated in the government working group as well. The working group thought that the list was adequate and these recommendations will be included in the working group report to the Steering Committee.
- The working group reviewed a list of technical assistance and educational outreach tasks required of personnel that will be needed to carry out the implementation of the residential program.
- Recommendation was made not to limit educational outreach to just the Carter, Great, Thumb, and Deep Runs watersheds, but try to outreach to all County residents as much as possible.
- Charles Shepherd indicated that his agency would be willing to be responsible for implementing the component of the residential program pertaining to human bacteria sources from straight pipes and failing on-site sewage disposal systems contingent on funding (*i.e.*, from EPA Section 319 funds) for technical assistance.

### **Potential Funding Sources**

- A handout was provided summarizing federal and state programs with potential funding, to be included in the plan document.

### **Other Topics**

- The working group was updated regarding the details of a monitoring component for the IP that would include DEQ ambient monitoring and citizen monitoring through a grant that the John Marshall SWCD has with DEQ to fund coliscan monitoring for the period of 10/05 through 9/06.
- The group was updated on discussions regarding pet waste management that took place during the second government working group held earlier that afternoon.
- An update on the Fauquier Riparian Easement Program Solutions (FREPS) Initiative was provided.

### **Working Group Representative on Steering Committee**

- In closing, Nancy Huffine volunteered to represent the Residential Working Group on the Steering Committee.