



**Metropolitan Washington Council of Governments  
Regional Monitoring Subcommittee Meeting  
AGENDA**

**Date:** October 29, 2008

**Time:** 10:00 am – 2:30 pm

**Place:** Broad Run Water Reclamation Facility, Loudoun Co.  
(directions are included)

**Note:** *The morning session will provide an in-depth look at two important stormwater monitoring activities in the Washington region – the first related to a long-term watershed-scale BMP study in Fairfax County; the second is about BMP performance assessment measures and a program to monitor long-term changes in stream quality due to land use changes in Montgomery County. The afternoon session includes a tour of Loudoun Water’s Broad Run Water Reclamation Facility – Designed for 11 mgd capacity, this new facility is currently treating 3.2 mgd using membrane bioreactor technology to achieve low TP and TN concentrations. The tour will include a visit to the bioretention filters that serve as stormwater BMPs for the campus.*

**10:00 – 10:15**

**Introductions**  
**Tom Broderick, Chair**  
Loudoun Water

**10:15 – 11:15**

**The Fairfax Monitoring Network: Assessing Watershed Scale Responses to BMP Implementation**

**John Jastram, Virginia Water Science Center - USGS**  
**Shannon Curtis, Fairfax County Stormwater Planning Division**

Mr. Jastram will discuss why watershed scale evaluation of BMP related improvements is needed, the challenges of evaluation watershed scale improvements from BMP implementation, and the objectives of the Fairfax Monitoring Study.

Mr. Curtis will provide Fairfax County’s perspective on this study and their future goals.

**Action:** Discuss how these results can be used by local governments to inform their local stormwater management programs.



11:15 – 12:15

**Stormwater Best Management Practice (BMP) Performance Assessment in Montgomery County, MD**

**Rachel Gauza, Montgomery County Dept. of Environmental Protection**

Ms. Gauza will discuss monitoring of Sediment and Erosion Control and Stormwater Management BMPs in Montgomery County's Special Protection Areas. Evaluation using removal efficiency of structures combined with measuring changes to stream geometry, habitat, chemistry, and the biological communities are examined as indicators of BMP effectiveness at protecting water quality. Special emphasis will be placed on the Clarksburg Monitoring Partnership, a consortium of local and federal agencies and universities whose efforts offer a collaborative approach to monitoring the long term aquatic ecosystem changes to a stream system resulting from landscape transition.

**Action:** Discuss how these results can be used by local governments to inform their local stormwater management programs and assist in land use decision-making.

12:15 – 12:45

**Lunch**

Lunch will be provided for all members and their alternates.

12:45 – 1:15

**Monitoring Program Highlights**

This is an opportunity for monitoring program coordinators to brief the subcommittee regarding any significant changes to their monitoring programs. Please email or bring along copies of updated reports, fact sheets, and web sites to share with the committee. COG staff will also provide an overview of their plans to create a water quality informational database and website of local water quality stations.

1:15 – 1:25

**Potomac Monitoring Forum Update**

On March 10 & 11, COG hosted its first Potomac Monitoring Forum at the Cacapon Resort State Park in Berkeley Springs, WV. Over one-hundred water monitoring professionals attended the forum. One of the outcomes of the Potomac Monitoring Forum was a list of recommended action items for COG and Potomac partners



to take. Steve Bieber will discuss these action items and request comments from the RMS.

**1:25 – 1:30**

**Closing Remarks  
Tom Broderick, Chair**

**1:30 – 2:30**

**Tour of the Broad Run Water Reclamation Facility (optional)  
Tom Broderick, Chair**

Loudoun Water's Broad Run Water Reclamation Facility opened in 2008. Designed for 11 mgd capacity, this new facility is currently treating 3.2 mgd using membrane bioreactor technology to achieve low TP and TN concentrations. The tour will include a visit to the bioretention filters that serve as stormwater BMPs for the campus. For additional information, visit their website at:

<http://www.loudounwater.org/BRWRF/>

**Driving Directions to Loudoun Water**

***From Leesburg*** take Route 7 East to Loudoun County Parkway. Turn right onto Loudoun County Parkway just north of where Route 7 and Route 28 meet. Follow for about a mile and turn left onto Aquary Way. Then turn left on Loudoun Water Way and then right to the parking area in front of the building. The MWCOG Regional Monitoring Subcommittee will be held at the Broad Run WRF Operations Building (44961 Loudoun Water Way).

***From Dulles Greenway*** take Exit 7 for Loudoun County Parkway (607) and head north. Go straight through the light at Waxpool Road. Go past Beaumeade Park and the Redskins Training Facility. Turn right onto Aquary Way. Then turn left on Loudoun Water Way and then right to the parking area in front of the building. The MWCOG Regional Monitoring Subcommittee will be held at the Broad Run WRF Operations Building (44961 Loudoun Water Way).