



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

**Date:** Wednesday, August 15, 2007

**Time:** 10:30 am – 1:30 pm

**Place:** COG, 1<sup>st</sup> Floor, Rooms 4&5

**Note:** *The morning session will provide an in-depth look at two important monitoring activities in the Washington region – the first related to LID performance; the second describing the ongoing monitoring at Chain Bridge. The afternoon will focus on regional monitoring “business” including a discussion of a regional Potomac Monitoring Forum to be held at COG on February 29, 2008.*

**10:00 – 10:15**

**Introductions**

**Tom Broderick, Chair**

Loudoun County Sanitation Authority

**10:15 – 11:15**

**Creating 'Low Impact' Stormwater**

**Allen P. Davis**

**Department of Civil and Environmental Engineering**

**University of Maryland**

Bioretention and related technologies have been promoted as “low impact” stormwater management practices. Fundamental, applied, and monitoring research on these technologies has shown them to be very effective for removal and treatment of several pollutants, but less so for others. These facilities will also moderate flows, which can have a significant impact on the local environment and on mass pollutant discharge. Dr. Davis will discuss monitoring of these technologies, and long term issues related to facility maintenance and pollutant buildup and/or degradation.

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

**11:15 – 12:15**

**The Chain Bridge Monitoring Program**

**Past, Present and Future**

**Adil Godrej and Tom Grizzard, Occoquan Watershed**

**Monitoring Laboratory**

Since 1983, COG has contracted with Virginia Tech’s Occoquan Watershed Monitoring Laboratory (OWML), to operate the Chain



Bridge monitoring station on the Potomac River. The purpose of this monitoring station is to measure water quality in the Potomac River as it crosses the fall line and enters the Potomac Estuary. Staff from OWMML will discuss the history of this program, the method of sampling and comparisons to other methods in our region, changes in nutrient concentrations and loads from storm and base flow samples, and future plans to work with COG staff to further analyze this long term data set.

**Action:** Provide recommendations for consideration by Chain Bridge managers on content or reporting.

**12:15 – 12:30**

**Lunch**

Lunch will be provided for all members and their alternates.

**12:30 – 12:50**

**February 2008 Regional Water Quality Monitoring Forum  
Ted Graham and Steve Bieber, COG Staff**

COG will host a regional Potomac Water Quality Monitoring Forum on February 29, 2008. The forum is intended to describe and document the purpose of each current monitoring activity (e.g., TMDL development, scientific research, protecting public health, satisfying permit requirements), identify data gaps, and future needs. COG will ask for volunteers to assist in the planning for this forum.

**Action:** Discuss the proposed forum and identify people to assist in its planning.

**12:50 – 1:00**

**Chain Bridge Monitoring Fact Sheet  
Christine Howard, COG staff**

Ms. Howard will distribute a draft Chain Bridge monitoring fact sheet for discussion.

**Action:** Discuss fact sheet. Provide comments to COG by September 11, 2007.

**1:00 – 1:25**

**Monitoring Program Highlights and Drought Conditions**

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 the dry conditions in the COG region and a press release that was issued on August 8<sup>th</sup> encouraging wise water use.

**Action:** Discuss how these activities could be reflected in the upcoming monitoring forum.

1:25 – 1:40

**Water Resources Technical Committee and Chesapeake Bay Policy and Water Resources Committee Work Program  
Tanya Spano, COG Staff**

Ms. Spano will present COG's Water Resources Technical Committee (WRTC) and Chesapeake Bay Policy and Water Resources (CBPC) activities for FY 2008. She will also briefly discuss the latest findings concerning 'microconstituents' (formerly compounds of emerging concern) and how COG is tracking the on-going research.

**Action:** Discuss and provide perspective on how regional monitoring programs can better compliment the WRTC activities.

1:40– 1:45

**Closing Remarks  
Tom Broderick, Chair  
Loudoun County Sanitation Authority**