

## San Diego Stormwater Copermittees Dry Weather Monitoring Workgroup

### October 18, 2006 Meeting Summary

#### 1. Introductions/Updates

##### Attendees

Name	Organization
Dadkhah, Arsalan	D-Max Engineering
Filar, Cheryl	City of Escondido
Fontanoz, Marisa	San Diego County Regional Airport Authority
Giangiordano, Michael	EnviroMatrix Analytical, Inc.
He, Li-Ming	County of San Diego, Watershed Protection Program
Jeminet, Jerome	TRC
LaCasella, Damon	Port of San Diego
Renfrew, David	Weston Solutions
Schwaebe, Lynn	City of Oceanside
Sonksen, Andre	City of San Diego
Verdon, Dan	EnviroMatrix Analytical, Inc.
Vipatapat, Vasana	City of Escondido
Wisniewska, Joanna	County of San Diego, Watershed Protection Program

#### 2. Issues Related to the Tentative Order No. R9-2006-0011

The Workgroup discussed issues related to the urban runoff monitoring (including the dry weather monitoring) specified in the Tentative Order No. R9-2006-0011. The issues raised at the meeting included total coliform exceedances, dissolved copper measurement, two business days for follow-up IC/ID investigations, trash monitoring, and MS4 outfall monitoring.

It was brought to the attention of the Workgroup that total coliform was the parameter that showed most exceedances. In many cases, follow-up investigations on these exceedances did not provide conclusions beneficial to source identification or water quality improvement. Arsalan Dadkhah suggested if the group would propose to the Regional Board for removal of this parameter from the dry weather monitoring program. To be consistent with the AB411 monitoring program and the Basin Plan water quality objectives, the Workgroup considered that total coliform should remain in the program, but suggested to look into more recent bacterial monitoring data and re-evaluate action levels for total coliform, fecal coliform or *Enterococcus* if appropriate. Arsalan Dadkhah will work with David Renfrew for the statistical analysis of bacterial data collected from 2004 to 2006.

For dissolved copper measurement, the workgroup concluded that the most practical and effective way is to use both analytical laboratory analysis and field test kit method. While the analytical laboratory method provides accurate results that meet detection limits and action levels required by the program, the field test kit method can be used as a quick supplemental tool to improve the process of follow-up IC/ID investigations if there are exceedances of dissolved copper. However, it must be recognized that the test kit for dissolved Cu screening has a minimum reading of 0.1 mg/L (100 µg/L) as Cu<sup>2+</sup>, and action levels of dissolved copper range from 3.6 µg/L to 50 µg/L, depending on water hardness. This implies that the detection limit would be higher than action levels if the field test kit was used for measuring dissolved copper in the field.

The Tentative Order requires trash assessment at all dry weather monitoring stations. The assessment should include estimated spatial extent, quantity, and types of trash present at a site. The Workgroup attempts to develop a procedure for trash monitoring required by the new Order. Andre Sonksen and Arsalan Dadkhah both have experience of assessing trash in a watershed and they will work together to initiate the development of a trash monitoring protocol for all Copermittees.

The Tentative Order requires the MS4 Outfall Monitoring in dry and wet seasons. The Workgroup recognized this is a new monitoring program, but some of the outfall stations within the dry weather monitoring program may be used for the MS4 Outfall Monitoring. Issues regarding the outfall monitoring program include the objectives of the program, the size and number of outfalls, land uses, storm events, water flow, wet weather baseflow, sampling frequency, and analytical parameters. The Workgroup recommended forming an ad hoc Committee to work with the Regional Board and other relevant groups for development of a monitoring guidance that should address the issues listed above. Current Committee members are Li-Ming (Lee) He, Arsalan Dadkhah, and David Renfrew. The ad hoc Outfall Monitoring Committee will convene as needed.

### **3. Issues Related to Dry Weather Monitoring Data**

The Workgroup appreciates Copermittees' effort and cooperation in submitting 2005 monitoring data. As indicated by Weston Solutions, the formatting of data submittal has been improved this year, but there are still issues that need to be addressed by the Workgroup. In particular, the data submittal consistency and quality need to be improved in the future. The Workgroup would like to extend gratitude to those who were volunteered to perform data quality assurance for the 2005 data submittal. The 2005 monitoring data have been analyzed by Weston Solutions and will be included in the upcoming Urban Runoff Monitoring Report.

The Workgroup intended to propose the initiation of a more efficient way to improve data reporting consistency and quality, i.e., the watershed based data reporting. Copermittees would still use the same data sharing format as preciously but data would be sorted by watersheds. The sorted data would be ready for lead watershed Copermittees to use for their watershed assessment. This proposed watershed approach will be discussed further at the November Workgroup meeting

### **4. Next Meeting**

Next Workgroup meeting is scheduled on November 15, Wednesday, 2006 from 10 am to noon at 9325 Hazard Way, San Diego, CA92123.