

# San Diego Stormwater Copermittees Dry Weather Monitoring Workgroup

## November 16, 2005 Meeting Summary

### 1. Introductions/Updates

#### Attendees

Name	Organization
Campagna, Laurence	Weston Solutions
Coppi, Doug	City of Imperial Beach
Cruz, Dan	City of Del Mar
Hartman, Paul	City of Encinitas
He, Li-Ming	County of San Diego, Watershed Protection Program
Long, Cora	City of Lemon Grove
Matlaga, Julie	City of Oceanside
Padilla, Mayela	SD County Regional Airport Authority
Renfrew, David	Weston Solutions
Watts, Susie	Weston Solutions
White, Michelle	Port of San Diego

Copermittees reported that they completed the field screening of dry weather monitoring programs while some were still working on IC/ID follow-up investigations including fecal indicator bacteria. Most indicated that they had started writing annual reports. It was reported that pooled water showed elevated ammonia within the airport jurisdiction.

### 2. Review of 2004 dry weather monitoring data submittal

Susie Watts (Weston Solutions) provided the Workgroup with problems encountered with the 2004 data submittal and recommendations to 2005 data submittal. The attached Excel file lists recommendations for standardized entries in various fields covering all four sheets of the datasharing format. Please review proposed standardized entries in each field. Finalized drop-down lists of standardized entries will be integrated into the new datasharing format.

- **Site Description Sheet**

- Duplicate entries were found in data submittals.
- Latitude and Longitude
  - Incorrect: N 33.1460°, W 117.3377°
  - Correct: 33.14600, -117.3377
- Non-standard entries for fields with standard entry lists: e.g., LandUse\_1 and LandUse\_2.  
**Recommendation:** Develop a drop down list for relevant fields.

- **Visual Observations Sheet**

- Cells with wrapped text formatting.
- Non-standard entries for fields with standard entry lists: e.g., Deposit and Biology.  
**Recommendation:** Develop a drop down list for relevant fields.

- **Field Measurements Sheet**
  - Non-standard entries for fields with standard entry lists  
**Recommendation:** Develop a drop down list for relevant fields.
  - Non-numeric values in the Result column: e.g., ~10, ~50, <0.1, <1, NA, ND, Under  
**Recommendation:** Enter numeric values only in the Result column. Place all qualifiers in the Qualifier column.
- **Analytical Results Sheet**
  - Extra words in the Unit column.  
**Recommendation:** Develop a drop down list for all units.
  - Non-standard entries for fields with standard entry lists.  
**Recommendation:** Develop a drop down list for relevant fields.
  - Non-numeric values in the Result column.  
**Recommendation:** Enter numeric values only in the Result column. Place all qualifiers in the Qualifier column.

### 3. Preview of 2005 dry weather monitoring data submittal

Approaching to the end of the dry weather monitoring season, Copermittees were prepared to analyze the 2005 data. It will be the time again for preparing 2005 data submittals to Regional monitoring Contractor using a similar but improved datasharing format based on the 2004 format. On the other hand, Copermittees were introduced to a prototype Access database developed for stormwater by Southern California Coastal Water Research Project. The database included various tables that were needed for storing water quality monitoring data. However, the database will not be fully functional until a data entry interface and relevant queries are developed. The development of this interface will likely involve contracting services with an estimated cost from \$20,000 to \$30,000, depending on the complexity and capacity of data housing. Upon completion of the development, all Copermittees will have the opportunity of using the database for user-friendly data entry, storage, retrieval, reporting, and analysis. If the Workgroup wants this interface to be developed, a recommendation to the Regional Monitoring Workgroup will be needed for consideration.

### 4. Presentation

During the past years, water quality data collection has increased dramatically. Thorough analyses and interpretation of the data becomes more urgent and critical than before. Lee presented to the Workgroup with the title: "How to better assimilate monitoring data: A case study of fecal indicator bacteria". The results of fecal indicator bacteria from the County's dry weather monitoring program indicated that FIB concentrations were high in most waterbodies and higher in ponded water than flowing water. The results showed an increasing trend of FIB concentration with increases in water temperature and a decreasing trend with increases in salinity. Addition of all the evidence suggested that FIB can survive or grow in ambient water/sediment. It has long been recognized that external input of FIB (i.e., human generated or animal introduced) are important sources. However, the data presented here indicated that bacterial growth in water/sediment may be critical and should be considered in developing and implementing bacterial TMDLs. Please visit [www.projectcleanwater.org](http://www.projectcleanwater.org) for a full presentation.

### 5. Next Meeting

Unless there are urgent issues rising for group discussion, next meeting will be held on February 15, Wednesday, 2006 from 10 am to noon at the County's facility on 9325 Hazard Way. An agenda will be sent out at least one week ahead of time.