

Meeting Notes
San Diego Regional Monitoring Workgroup Meeting
Tuesday, November 26, 2013 – 10:00 am – Noon
County of San Diego Conference Room 451 (fourth floor)
5510 Overland Ave
San Diego, CA

Attendees:

Joanna Wisniewska - County of San Diego (Workgroup Chair)
Jo Ann Weber – County of San Diego
Dave Renfrew – Weston Solutions, Inc.
Sheri Dister – Weston Solutions, Inc.
Anthony Cotts – Weston Solutions, Inc.
Reed Thornberry – City of San Marcos
Taryn Kjolsing – City of Solana Beach
Hiram Sarabia – City of Vista
Chris Lawrence – City of Escondido
Anna Wernet – AMEC (SDCRAA)
Vivi Mai – City of Carlsbad
Ted Von Bitner – AMEC E+I
Tad Nakatani – D-Max for City of National City
Justin Gamble – City of Oceanside
Damon LaCasella – Port of San Diego

Meeting Notes

1. Introductions
2. Approval of the Meeting Notes from August 21 - Passed
3. Presentation on the Wet Weather Epidemiology and Quantitative Microbial Risk Assessment Study (10:05-10:30)

Jo Ann Weber (County of San Diego) provided a power point presentation on the Wet Weather Epidemiology and Quantitative Microbial Risk Assessment Study jointly funded by the County of San Diego and City of San Diego. The purpose of the study is to investigate any links between ocean water exposure during the winter, levels of bacteria, and illness in surfers. Surfers are the major beachgoers entering the ocean during and after winter storms. The Surfer Wet Weather Study is being conducted by the top-notch technical team of Southern California Coastal Water Research Project and the University of California at Berkeley, in partnership with the Surfrider Foundation. This pilot wet-weather epidemiological study will begin mid-January 2014 and last until May 2014. Daily water samples and intensive sampling following a storm will be taken at Ocean Beach and Tourmaline Surfing Park and analyzed for bacteria. Surfers enrolled in the study will complete a weekly survey. They will report any illness symptoms, such as skin rash, diarrhea, eye infections, and ear infections, which may or may not be related to water contact. Preliminary results from the Pilot Study are anticipated in July 2014.

Information gained from the pilot study will be used to evaluate if a more comprehensive study will be needed. If an additional study is conducted, the results may help in the management of storm water runoff during the winter. The additional study will also gather information for setting bacteria water quality targets during the winter storm events that

protect public health. These updated water quality targets may be considered for modifying current bacteria targets in the winter included in stormwater compliance programs.

If the full study is completed, it will address the following 4 management questions: (1) Is water contact associated with an increased risk of illness? (2) Is illness risk greater following exposure to wet weather event compared to dry weather? (3) What is the association between levels of Enterococcus and illness following wet weather events? and (4) What level of Enterococcus corresponds to the same risk of illness as current water quality standards?

4. Regional Monitoring activities update (Weston) (10:30 – 11:00)

a) Update on field activities

Dave Renfrew (Weston Solution0s) provided an update of the Regional Monitoring Program Activities to date which are provided in the table below.

Category	Updates
Mass Loading Station/Water Quality Monitoring	The 13-14 Season was kicked off in July for the 13 MLS and TWAS sites located in the South County. The first dry weather event was conducted on 9/18/2013 at the 7 sites with base flow. The remaining sites were dry or ponded and not flowing. The first dry weather event at the remaining six sites (MB-TWAS-1, MB-TWAS-2, SDR-TWAS-3, SR-TWAS-1, OR-TWAS-1, TJR-MLS) will be conducted once base flows are established. The first flush wet weather event was conducted on 10/9/2013 at 12 of 13 sites. OR-TWAS-1 did not flow on during the 10/9/2013 first flush event and was sampled during the second wet weather event on 10/29/2013. The first flush wet weather event is complete for 13 of 13 sites. We also sampled TC-MLS and SDR-MLS for long-term monitoring on 11/22/13. QPCR samples were also collected at these sites for Bight 13. Data are being compiled and QC'd at this time.
Rapid Stream Bioassessment	Bioassessment field monitoring for compliance sites and SMC is complete. SMC data submittals due November 30. The 2014 SMC program is still in the planning stages and an update should

	be provided at the December 3 SMC Meeting.
Toxicity Identification Analyses	No TIEs have been conducted to date. Several sites had significant toxicity during the first flush event on 10/9/13. Draft results indicated several pyrethroids and malathion above their respective LC50s and would be the likely cause of toxicity as these were similar sites with previous TIEs (e.g., Chollas Creek). TIEs will be coordinated with the County of San Diego based on results from the February 2014 event or later with the dry weather events if persistent toxicity is observed.
Ambient Bay & Lagoon	Bight 13 sampling was completed in all scheduled lagoons. Awaiting final chemistry data at this time. A data summary presentation will be provided in February 2014 at the next Copermittee Monitoring Workgroup Meeting.
Pyrethroid Monitoring	Post storm sediment pyrethroid monitoring has been conducted at 13 of 13 sites. Sampling was conducted following the 10/9/2013 wet weather event for 12 of 13 sites. Sampling was conducted at OR-TWAS-1 following the 10/29/2013 wet weather event. Data is undergoing QC at this time.
MS4 Outfall Monitoring	A total of 24 of 51 MS4 sites have been successfully sampled (47% complete). Ten MS4 sites were sampled during the first flush wet weather event on 10/9/2013. One site per WMA was monitored during the 1st storm as required by the permit, along with one additional site in TJR WMA. Eight MS4 sites were sampled during the 10/29/2013 wet weather event. Six MS4 sites were sampled during the 11/21/13 wet weather event. Approximately 8-10 MS4 sites will be targeted during each viable storm until all 51 MS4 sites are sampled.

b) Issues related to the preparation of the Transitional Monitoring and Assessment Report

- Summary of Permit requirements for the Transitional Monitoring and Assessment Report
- Information needed from Copermittees for the Report Preparation
 - Drainage areas for the wet weather MS4 monitoring stations
 - Submitted sampling and observations data
 - 3rd party data
 - Other

Dave Renfrew and Anthony Cotts (Weston Solutions) provided a presentation on the requirements for the upcoming Transitional Monitoring Report requirements and what would be needed from the Copermittees. A summary handout was provided that describes the Report requirements. Also, several issues were identified that would require coordination with the WQIP planning groups (e.g., comparison of results to interim numeric targets that have not yet been developed or, the identification of the most critical beneficial uses in each WMA). The questions posed by the Permit indicate the Transitional Monitoring and Assessment Report will be somewhat different structure and questions to be answered in comparison to the previous reports under the 2007 Permit. Anthony Cotts also covered items required for the MS4 Assessment Requirements and what would be needed from each Jurisdiction. The following items were identified and should be provided to Weston by May 2014:

- Drainage area delineated for the specific monitored MS4 sites provided by each jurisdiction (GIS File)
- GIS file for your jurisdiction showing the MS4 Drainage Area for each WMA
- Defined land use for each area (if more updated than SanGIS 2010)
- Updated list of Major MS4 Outfall locations and size for your jurisdiction (table or GIS file)
- Ideally by April or May 2014

The inventory of MS4s was also discussed amongst the group. The definition of Major MS4 Outfalls was also reviewed from the Permit (Page C-6).

- c. Discussion regarding the visual observations data template and fieldsheet formats (11:00-11:15)

Joanna Wisnieska (County of San Diego) and Sheri Dister (Weston Solutions) provided an overview of the data sharing template

- d. Lessons learned about MS4 transitional monitoring program (11:15-11:30)

A brief discussion on the MS4 Outfall Sites for the wet weather program was discussed. It is important for each Copermittee to provide information on the sites selected and whether or not a Permit or Right of Way Access is required. As the monitoring is conducted during late night hours and requires staff to attend monitoring equipment which may disturb neighbors. It was recommended to choose sites with respect to access and logistics of sampling. As a result of the current list, Weston is coordinating with each Jurisdiction to obtain access to each site where required. Several sites have required Right of Entry Permits and special coordination.

- e. Bight'13 Debris Study updates (11:30 -11:40)

Ted Von Bitner (AMEC E+I) provided a presentation of the Debris Special Study and the current progress to date. Sampling was conducted as part of the SMC Bioassessment Program in summer of 2013 and trash was picked up at that time. Field teams returned to sites selected (probabilistic design) by the Debris Committee and trash assessments were conducted again to assess the amount of trash accumulated. Several volunteer groups are participating, as well as several individual Jurisdictions. Data is being compiled and assessed at this time. The next Debris Committee meeting is in early 2014.

5. TMDL and other regulatory issues –None Noted
6. Other Items (please e-mail to County or bring to meeting) – None Noted
7. Next Meeting in late February 2014

For updated meeting schedule, agendas and meeting summaries visit
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