

Meeting Notes
San Diego County MS4 Copermittees Regional Monitoring Workgroup Meeting
Thursday, April 2, 2015 10:00 AM – 12:00 PM
County of San Diego Conference Room 472 (fourth floor)
5510 Overland Ave
San Diego, CA

Attendees:

Joanna Wisniewska – County of San Diego (Workgroup Chair)
Jessica Erickson – City of San Diego
Phil Gibbons – Port of San Diego
Justin Gamble – City of Oceanside
Chris Lawerance – City of Escondido
Tim Murphy – City of Carlsbad
Steve Strapac – City of Poway
Mayela Manasjan – City of Encinitas
Jessie Powell – City of El Cajon
Rafe Cesmat – City of San Marcos
Amanda Archenhold – AMEC (San Diego Airport Authority)
Roshan Christoph – AMEC
Rosanna Lacarra – LaRoc Environmental (City of Coronado)
Kelly Barker – Mikhail Ogawa Engineering (City of Del Mar)
Bob Scott – AECOM (City of Imperial Beach)
Garth Engelhorn – Weston Solutions
Sheri Dister – Weston Solutions
Anthony Cotts – Weston Solutions
Melissa Mathis – Weston Solutions

Meeting Notes

1. Introductions. (10:00 – 10:05).
2. Approval of the Meeting Notes from November 12, 2014. (10:05 – 10:10). No objections noted and the meeting notes were approved.
3. Regional Monitoring Activities Update (Weston) (10:10 – 10:40).

An update of the monitoring activities was provided by Garth Engelhorn in a Powerpoint presentation. A summary of the monitoring activities and status is also shown in tabular format on the next page.

California has entered the fourth consecutive year of drought and the rainfall totals for the 2014-2015 storm season are below average. The first flush storm event did not occur until November 1, 2014 and San Diego has experienced few storm events meeting storm mobilization criteria. During each viable storm event, Weston has monitored a combination of receiving water stations and MS4 stations, where applicable. In addition, Weston has experienced false starts for the MS4 program where some or all sites mobilized for during an event could not be sampled. These occurred when the rainfall did not meet the forecasted

totals in areas where MS4 sites were installed or when no flow was observed at the site even though a viable storm produced greater than a tenth of an inch of rain.

Category	Regional Monitoring Updates
Mass Loading Station/Water Quality Monitoring	The 14-15 Season was kicked off in July and includes transitional and long-term receiving water monitoring at 16 MLS/TWAS sites located in North County and Chollas Creek. The North County long-term receiving water monitoring sites include; SMR-MLS-2, SLR-MLS, EC-MLS, SDC-MLS, and LPC-MLS. All 13 sites with flow have been monitored during one dry weather event and two wet weather events (including the first flush. The 4 LTMS with flow have also been monitored for one additional dry and wet weather event. The final dry weather event is scheduled for May 2015 and flow monitoring will be conducted through mid-June 2015. Three sites have had no flow for the entire 14-15 Season; SLR-MLS, SLR-TWAS-2, and SDC-TWAS-2 (monitoring will be conducted if they flow, but it is unlikely at this point in the season). Available data are being compiled and QC-ed at this time.
Rapid Stream Bioassessment	Bioassessment field monitoring for the 14-15 Season includes the MLS/TWAS in North County, 3 additional SMR sites, 3 reference sites, and participation in the SMC Regional Monitoring Program including 12 Condition and 4 trend sites. At this time, reconnaissance is being conducted for the SMC condition sites. Field work is scheduled for April - July 2015.
Toxicity Identification Analyses	The Copermittees have budgeted for three TIEs in the event significant and persistent toxicity is observed at MLS/TWAS sites in the North County during the 14-15 Season. No persistent significant toxicity was observed at MLS/TWAS during wet weather. There may be a potential TIE for May dry weather event at LPC-TWAS-3.
Ambient Bay & Lagoon	Follow-up confirmation monitoring was conducted based on the Bight'13 results in August/September 2014 (Agua Hedionda, Batiquitos, San Dieguito, San Diego River).
Pyrethroid Monitoring	Post-storm sediment samples were collected at the 13 MLS/TWAS sites in the North County following the first-flush rainfall event of the 14-15 Season.
MS4 Outfall Monitoring	A total of 39 of 51 MS4 sites have been successfully sampled (76% complete). 9 MS4 sites were sampled during the first flush wet weather event on 11/1/2014. One site per WMA was monitored during the 1st storm as required by the permit. The remaining 12 MS4 sites have been installed since the first week in March and will be monitored during the next viable storm event. As of 4/9/2015, the region has experienced 38 consecutive days of dry weather.

While the region may experience a viable storm before the end of the storm season on April 30th, 2015, it is possible that the March 1, 2015 rain event was the last storm event of the season.

The table on the next page lists the MS4 sites not yet sampled.

MS4 Name (Weston)	Copermittee Site Name	Jurisdiction	Watershed
MS4-SLR-3	G-5	City of Vista	San Luis Rey
MS4-CAR-5	B-02	City of San Marcos	Carlsbad
MS4-CAR-7	BV-1	City of Vista	Carlsbad
MS4-SDR-1	27	City of El Cajon	San Diego River
MS4-SDR-2	OF-ALV-11	City of La Mesa	San Diego River
MS4-SDR-3	DW136	City of San Diego	San Diego River
MS4-SDR-4	G30c	City of Santee	San Diego River
MS4-SDB-3	No ID 1	City of Coronado	San Diego Bay
MS4-SDB-5	908-UNI-MASS	City of La Mesa	San Diego Bay
MS4-SDB-9	CV1-1	Port of San Diego	San Diego Bay
MS4-TJR-2	DW749	City of San Diego	Tijuana
MS4-TJR-3	DW223	City of San Diego	Tijuana

4. SMC Monitoring Program Update (Weston) (10:40 – 11:30)

Garth Engelhorn provided a summary of the SMC Regional Bioassessment Program including:

- 2009-2013 SMC Findings

The 2009-2013 SMC Findings were summarized from the draft five year report from SCCWRP which is to be released soon.

- 2014 Special Studies
- New Bioassessment Tools

New tools include the California Stream Condition Index (CSCI), which combines a predictive model with a multi metric index, has site-specific accuracy, regional consistency and greater statewide applicability. The index has 3 categories (likely intact, likely altered and very likely altered) based on statistical thresholds of the distribution of reference data.

- 2015-2019 SMC Workplan

Presentation on the SMC 2015-2019 Workplan listed the core continuing parameters, dropped parameters, and new parameters that include new field forms (an example was circulated at the meeting). An intercalibration event including an introduction to the new forms occurred in February. A separate day of training was held for invasive vertebrate species training. Intercalibration is an annual event and participation is by staff already familiar with bioassessment (not a basic training event).

- 2015 SMC Monitoring

San Diego has 4 regions (strata) in stratified random design. List of potential sampling sites are provided by region each of which include 2-3 WMAs. Group discussed options for SMC participation moving forward, how it could be organized given management of monitoring and assessment at WMA level. Sites are not given by WMA and desktop review and screening followed by field recon are needed to develop final list of sampling sites. How would this be managed when 2-3 WMAs are in a region and potentially different consultants for WMAs? Some options were proposed including MOUs and potential involvement of SCCWRP/funds to SCCWRP. Jo Ann Weber visited the meeting during this time and provided input to the discussion. She recommended that each WMA budget for 4 sites in case all of the sites for a region ended up in their WMA. She suggested that the list be broken out by WMA with the original rank maintained. Each WMA's consultant could perform desktop review to determine sampleable sites, and lists of sample sites would be reintegrated by "priority" (i.e., rank order).

After much discussion the group agreed that the issue needs to be further discussed with SCCWRP. Weston will talk to Dr. Rafi Mazor (SCCWRP) and organize follow up meeting involving jurisdictions interested in participating in discussion. San Diego Region is represented by County and City membership in SMC (Jo Ann Weber and Ruth Kolb participate in quarterly meetings). WMA leads will have to talk about meeting participation by consultants to ensure efficiency.

A link to the 2009-2013 SMC program report and 2015 SMC Workplan will be provided when documents are publically available.

Followup note: Weston initiated discussion with Rafi Mazor, and allocation of SMC Bioassessment sampling sites by WMA is a possibility. Joanna Wisniewska will send out a Webex invite to members of the Regional Monitoring Workgroup to provide an opportunity for those interested to participate in discussion with SCCWRP regarding options for accomplishing SMC Bioassessment given WMA-based programs for monitoring and assessment under the 2013 Permit.

5. Wet Weather MS4 Outfall Monitoring Methods Presentation (Weston) 11:30 – 12:00

Joanna prefaced presentation by stating her recommendation is to have consultants perform wet weather MS4 outfall discharge monitoring in WMAs. Weston gave a brief overview of the sampling procedures in the current transitional wet weather MS4 monitoring program, including considerations for site selection and flow monitoring equipment. The Powerpoint presentation also covered sampling protocols, automated sampling and manual sampling and provided several examples of site and equipment selection.

6. Other Items (please bring to meeting or e-mail to Joanna) (12:00). No additional items were added to the agenda.

7. Next Meeting planned for late June 2015

Group expressed interest in maintaining quarterly meetings. Good forum for discussing programs previously "regional".

For updated meeting schedule, agendas and meeting summaries visit www.projectcleanwater.org