

Meeting Notes
San Diego Regional Monitoring Workgroup Meeting
Tuesday, September 9, 2014 10:00 AM – Noon
County of San Diego Conference Room 271 (second floor)
5510 Overland Ave
San Diego, CA

Attendees:

Joanna Wisniewska – County of San Diego (Workgroup Co-Chair)
Jessica Erickson – City of San Diego (Workgroup Co-Chair)
Justin Gamble – City of Oceanside
Phil Gibbons – Port of San Diego
Chris Helmer – City of Imperial Beach
Taryn Kjolsing – City of Solana Beach
Chris Lawarncce – City of Escondido
Tim Murphy – City of Carlsbad
Mayela Manasjan – City of Encinitas
Jessie Powell – City of El Cajon
Hiram Sirabia – City of Vista
Steven Strapac – City of Poway
Reed Thornberry – City of San Marcos
Cecilia Tipton – City of Santee
Rosanna Lacarra – Laroc Environmental (City of Coronado)
Amanda Archenhold – AMEC (San Diego Airport Authority)
Kelly Barker – Mikhail Ogawa Engineering (City of Del Mar)
Paul Hartman – Larry Walker Associates
Kristina Schneider - AMEC
Garth Engelhorn – Weston Solutions
Sheri Dister – Weston Solutions

Meeting Notes

- 1) Introductions (10:00-10:05)
- 2) Approval of the Meeting Notes from May 27 (10:05-10:10). Joanna Wisniewska summarized the meeting notes adding that for the purpose of the Transitional Monitoring and Assessment Report (TMAR) being prepared by Weston Solutions Inc. (Weston) water quality exceedances for receiving water data will be reported using water quality benchmarks developed for the 2007 Permit This is because WQIPs and numeric goals have not yet been approved by the Regional Board (WQIPs are still in draft format). Meeting notes were approved.
- 3) Discussion and Vote on the FY 15-16 Reporting Budget (10:10-10:30). The FY 15-16 budget is for reporting only (does not include monitoring). Text in Task 1 of the budget was modified to include project management and as-needed data requests. There was a question regarding Task 7: Who comments on the draft report; are comments from the public considered?). The answer is that the draft report is reviewed only by the Copermittees. No objections were noted and the budget was approved.
- 4) Regional Monitoring Activities Update (Weston) (10:30 – 10:50). The following update was presented by Garth Engelhorn.

Category	Regional Updates
Mass Loading Station/Water Quality Monitoring	The 13-14 Season included transitional receiving water monitoring and long-term receiving water monitoring at 13 MLS/TWAS sites located in the South County . The 14-15 Season will include transitional receiving water monitoring and long-term receiving water monitoring at 16 MLS/TWAS sites located in North County. The North County long-term receiving water monitoring sites include; SMR-MLS-2, SLR-MLS, EC-MLS, SDC-MLS, and LPC-MLS. The 14-15 Season kicked off in July and equipment installations are complete. The first dry weather event is scheduled for September 2014 for the sites with dry weather flow. After dry weather sampling is complete, preparation will begin for the first-flush rainfall event of the 14-15 Season.
Rapid Stream Bioassessment	Bioassessment monitoring for the 13-14 Season at the MLS/TWAS in South County and participation in the SMC Regional Monitoring Program (non-perennial stream study and trend study) is complete. Bioassessment field monitoring for the 14-15 Season at the MLS/TWAS in North County and participation in the SMC Regional Monitoring Program (TBD) is scheduled for May through July of 2015. At this time, the 2015 SMC Regional Monitoring Program is still being developed. The SMC Bioassessment Technical Workgroup is working to determine which components of the 2009-2013 SMC Regional Monitoring Program were effective tools for achieving the program's goals and what monitoring elements may be suspended or added moving forward.
Toxicity Identification Analyses	Three TIEs were conducted during the 13-14 Season at MLS/TWAS sites in the South County. One TIE was conducted at TJR-MLS due to significant and persistent toxicity to <i>C. dubia</i> survival (12/8/13 stormwater sample). Results indicated Pyrethroids as the likely causative agent of toxicity. A TIE was conducted at MB-TWAS-1 (Rose Creek) due to significant and persistent toxicity to <i>C. dubia</i> survival (2/3/14 stormwater sample). The results indicated TDS is the likely causative agent of toxicity. A TIE was conducted at TJR-MLS due to significant and persistent toxicity to <i>S. purpuratus</i> development (5/8/14 dry weather sample). The results indicated ammonia is the likely causative agent of toxicity. 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.
Ambient Bay & Lagoon	Four lagoons had one site each with possibly impacted SQO results from Bight13' (Agua Hedionda, Batiquitos, San Dieguito, and San Diego River). Follow up studies were conducted in August 2014 for all lagoons except San Diego River Estuary. Sampling at San Diego River Estuary is scheduled for September 2014 pending permit approval from the City of San Diego.
Pyrethroid Monitoring	Post-storm sediment samples will be collected at the MLS/TWAS sites in the North County within 2 weeks following the first-flush rainfall event of the 14-15 Season.
MS4 Outfall Monitoring	The transitional wet weather MS4 outfall discharge monitoring was conducted at 51 sites during the 13-14 Season and will include 51 sites during the 14-15 Season. Updates to MS4 outfall monitoring locations for the 14-15 Season were due by August 1, 2014. If no updates to the MS4 outfall monitoring locations were provided, Weston assumed the same sites will be used again for the 14-15 Season. For all new sites, the jurisdictions need to provide an updated Monitoring Access Authorization Form and guidance on any required permits. Installations are scheduled to begin in mid September and one site per WMA will be monitored during the first-flush rainfall event of the 14-15 Season.

- a) If WQIPs are not approved by start of 2015-2016 monitoring year, the transitional receiving water monitoring would be required to continue. Based on the current rotational schedule between North and South County, the 2015-2016 rotation would be in the South County, and the southern WMAs would have to perform this monitoring on their own, outside of a the regional program. It was suggested that the southern WMAs meet on this issue to discuss.
- b) There was a discussion regarding the future of the regional monitoring programs such as SMC and Bight. The average yearly monitoring budget for SMC bio-assessment monitoring is approximately \$140,000 and the Bight 13' monitoring budget was approximately \$300,000. The SMC program is conducted every year, and Bight studies occur every five years, but sediment quality monitoring follow-up studies may be needed depending upon results. At the present time, the County of San Diego is not planning to continue leading the regional monitoring effort but the Regional

Monitoring Workgroup could propose a continuation of the Regional Monitoring Program for regional studies such as SMC and Bight'18 to the Program Planning Subcommittee (PPS) for further consideration.

Potential benefits of continuing to participate in regional studies as a group rather than independently were discussed and recognized. These included having a single representative attending all meetings of technical and management committees and having a single consultant perform all sampling, analysis, and data management for all Copermittees. Joanna Wisniewska will prepare a **draft recommendation memo to the PPS** that will also include estimated annual costs of the programs. She will then e-mail the memo to the group for any comments. Please email Joanna with questions or input.

- c) Copermittees who wish to change their transitional wet weather MS4 outfall discharge monitoring stations for 2014-2015 must provide an updated list to Weston ASAP as this information was due 8/1/14.
 - d) A draft work plan prepared by Weston for the transitional wet weather MS4 outfall discharge monitoring is available from the County of San Diego upon request.
- 5) Transitional Monitoring and Assessment Report (TMAR) Update and Schedule (Weston) (10:50-11:20). Sheri Dister provided an update on the TMAR Schedule and a list of items requested from the Copermittees that are needed for the TMAR (the schedule and the list are attached below).
- a) **Sediment Quality Monitoring Plan** has been provided to Copermittees for review. Please provide comments on the work plan document to Joanna Wisniewska and Sheri Dister by **9/26/14**. Associated QAPP will be provided 9/19/14.
 - b) A copy of the draft TMAR will be provided by Weston to Copermittees for review on 11/4/14. Likewise, the next meeting of the Regional Monitoring Workgroup will be scheduled for early November 2014 to present the draft TMAR and address any questions regarding the review process. Watershed Leads are encouraged to attend.
 - c) Please provide a **list of all major MS4 outfalls** to Weston as soon as possible. This list will not only **include** the major MS4 outfalls that discharge directly into receiving waters (those subject to dry weather visual screening) but **also those that do not directly discharge into receiving waters during dry weather but can potentially do so during wet weather**. The list will be used to extrapolate wet weather monitoring data from the representative outfalls within each WMA to all major MS4 outfalls per Provision D.4.b.(2)(b)[d].*
 - d) Please provide to Weston GIS layers of the **boundary of area(s) covered by MS4 system(s) within each jurisdiction**. Conversely, jurisdictions can provide boundary areas not covered by MS4. This will be needed to calculate the total volume and loading of various constituents discharging from each jurisdiction's MS4 system. *

* The objective of the transitional wet weather MS4 outfall data assessment is to determine the volume of storm water and pollutant loads from the MS4 within each jurisdiction for each WMA extrapolated from the data produced from the monitored MS4 outfalls. In order to calculate the total volume and loading from each jurisdiction, Weston will need to know the overall area that drains to each jurisdiction's MS4. Some Copermittees may choose to not provide the MS4 drainage area, which is fine. For

those, we will assume the entire area within the jurisdictional boundary, and for many, this may be the area served by a MS4. The assessment methodology for the transitional wet weather MS4 outfall data was presented at the November 26, 2013 meeting and the presentation can be found in the meeting summary on projectcleanwater.com or requested from Joanna.

- e) Please provide to Weston your **MS4 Outfall Discharge Monitoring Station Inventory** list developed for Provision D.2a(1) which is defined as “all major MS4 outfalls that discharge directly to receiving waters within their jurisdiction” if the list differs or has been updated since it was last provided.
 - f) **Transitional dry weather MS4 outfall field screening data** should be provided **through September 30, 2014**. Please, send the data in the data sharing format to Weston as soon as it is complete in order to incorporate them into the draft report.
- 6) Discussion of Information Needs for the Transitional Monitoring and Assessment Annual Report (11:20-11:40).

Receiving water assessments:

An update was provided on how to address the receiving waters assessments requirements as listed in Provision 4.a.(2) (p. 65) of the MS4 Permit. Since the Provision refers to numeric goals and most critical beneficial uses as established in the WQIPs, these assessments cannot be performed for the current Transitional Monitoring and Assessment Report (TMAR) because WQIPs have not yet been finalized and approved by the Regional Board. Therefore, in the current TMAR, results tables will highlight water quality benchmark (WQB) exceedances based on WQBs established for the 2007 Permit. Also, trend analysis will be performed for all constituents but there will be no discussion of trends in the context of critical beneficial uses.

More comprehensive receiving water assessments will likely be addressed in the next TMAR after the WQIPs are finalized and approved by the Regional Board.

MS4 dry weather field screening data assessments:

The data sharing template for dry weather MS4 outfall assessments was presented and discussed. The template will be used to address dry weather MS4 outfall assessments per Provision D.4.b.(1)(b) (pg. 66). It is advised that Copermittees use the template as a data sharing vehicle. Dry weather visual observations (per 2013 Permit requirements) and historical data, if available, should be used for the assessments. Data collected through September 30, 2014 need to be included.

Based on the discussion, some changes were made during the meeting to the assessment data template. Joanna will finalize revisions and redistribute to Copermittees.

- a) The definition of persistent flow was discussed. “Persistent flow is defined as the presence of flowing, pooled, or ponded water more than 72 hours after a measureable rainfall event of 0.1 inch or greater during three consecutive monitoring and/or inspection events. All other flowing, pooled, or ponded water is considered transient.” - Attachment C of Permit (page C-8).
- b) It has been confirmed that historical data should be used to determine persistent or transient flows if available.

- c) There was a discussion regarding the sources of flow in the dry weather field screening observations. Many of the Copermittees expressed that many of the dry weather field screening flow sources may be classified as unknown. Also, that known uncontrollable sources and potential uncontrollable sources may need to be separated into two categories to account for groundwater as a source of flow.
 - d) Following the discussion of the MS4 dry weather field screening data assessments, Sheri provided a quick overview of the TMAR report outline
- 7) Other Items (please e-mail to County or bring to meeting) (11:50-12:00).
- 8) Next Meeting in early November 2014. This meeting will include a presentation of the Draft TMAR.

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

List of Items Requested by Weston from Copermittees. Updated Sept. 2014		
Item	Requirement	Date
Drainage Area Delineation for Transitional Wet Weather MS4 Monitoring Locations. GIS format. Previously Requested. <i>Waiting on one Copermittee.</i>	D.4.b.(2)(b)	6/1/2014
List of all major MS4 Outfalls with coordinates including those that discharge into receiving waters only during wet weather. Table or GIS file. <i>Provide if this list differs from MS4 Outfall Discharge Monitoring Station Inventory already provided.</i>	D.4.b.(2)(b)	6/1/2014
Provide boundary areas covered by the MS4 system in your jurisdiction	D.4.b.(2)(b)	ASAP
Updates to Transitional Wet Weather MS4 Stations for 2014-2015 Monitoring. <i>Awaiting response from majority of Copermittees. Please confirm if same sites as 13-14 monitoring year. Authorization updates needed for new sites.</i>	D.2.a.(3)	8/1/2014
MS4 Outfall Discharge Monitoring Station Inventory and Dry Weather Field Screening Results in Data Sharing Template format through 9/30/2014 (include 2013 data if not provided previously). <i>Provide data through monitoring period (ending September 30)</i>	D.2.a.(1,2)	8/15/2014
MS4 Outfall Dry Weather Field Screening Monitoring Assessments. <i>Provide completed assessment table on all data collected this monitoring period (ending September 30)</i>	D.4.b.(1)(b)	8/15/2014
TMDLs and CLRPs/BLRPs Monitoring Reports to include as Appendices to TMAR	D.4.a.(1)(a), Attachment F	12/15/2014
La Jolla ASBS Monitoring Report to include as Appendix to TMAR	D.4.a.(1)(a)	12/15/2014

Transitional Monitoring and Assessment Report Schedule

Deliverable	Start Date	End Date
Draft Transitional Monitoring Reports (TMARs) provided to Copermittees for Review	11/4/14	-
Draft TMAR Copermittee Review Period	11/4/14	11/25/14
Potential Presentation of 1314 Results to Annual Monitoring Workgroup (to be scheduled 11/4 or 11/11)	11/4/14	-
TMAR Comments due to Weston	11/25/14	-
Address comments and finalize TMARs	12/1/14	12/31/14
Comments consolidated by WMA	12/1/14	12/12/14
Response to comments available for review	12/19/14	12/31/14
Final TMARs submitted to Copermittees	1/13/15	-
Presentation to Management Committee	1/20/15	-
Submittal to San Diego RWQCB (by Copermittee WMA Leads)	1/30/15	-
Draft Sediment Monitoring Plan provided to County/available to Copermittees for Review	9/2/14	-
County/Copermittee Review Period	9/2/14	9/26/14
Draft Sediment Monitoring QAPP provided to County/available to Copermittees for Review	9/19/14	-
County/Copermittee Review Period	9/19/14	10/23/14
Final Sediment Quality Monitoring Plan and QAPP available	11/4/14	-
Draft Receiving Water Monitoring Work Plan available upon request	9/9/14	-
Final Receiving Water Work Plan available	10/17/14	-
Draft Sediment Monitoring Report (aka Bight '13 and ABLM Followup study)	12/8/14	-
County/Copermittee Review Period	12/8/14	12/29/14
Final Report provided as Appendix to TMAR	1/13/14	-
Draft Bioassessment Report provided to County/available to Copermittees for Review	11/26/14	-
County/Copermittee Review Period	11/26/14	12/23/14
Final Report provided as Appendix to TMAR	1/13/14	-
Draft MS4 Outfall Program 5-Year Assessment provided to County/available to Copermittees for Review	11/17/14	-
County/Copermittee Review Period	11/17/14	12/15/14
Final Report provided as Appendix to TMAR?	1/13/14	-

PLEASE DIRECT COMMENTS TO JOANNA WISNIEWSKA AND SHERI DISTER