

Basin Monitoring Program Task Force

October 27, 2010

ATTENDEES:

Keith Dunbar, K.S. Dunbar & Assoc.
Jack Nelson, YVWD
Joe Zoba, YVWD
Matt Harward, YVWD
Kristen Wardlaw, YVWD
Edward Filadelfia, City of Riverside
Val Housel, SBMWD
Bobby Gustafson, SBMWD
Jennifer Shepardson, SBMWD
Hope Smythe, CRWQCB
Cindy Li, CRWQCB
LeAnne Hamilton, IEUA
Julie Carver, City of Rialto
Sam Fuller, SBVMWD
Karly Gaynor, WMWD

Linda Garcia, WMWD
Jim Hyde, IRWD
Ben Pak, CBWM
Tom Moody, City of Corona
Shelley Zmija, City of Corona
Jayne Joy, EMWD
Al Javier, EMWD
Marsha Westropp, OCWD
Tim Moore, Risk Sciences
Andy Malone, WE Inc.
Samantha Adams, WE Inc.
Eric Lindberg, WE Inc.
Mark Norton, SAWPA
Regina Patterson, SAWPA

Call to Order/Introductions

The Basin Monitoring Program Task Force meeting was called to order at 1:25 p.m. at the Santa Ana Watershed Project Authority office located at 11615 Sterling Avenue, Riverside, California. Introductions were made.

Meeting Summary Approval

Mark Norton presented the September 14, 2010 Meeting Summary for approval. Cindy Li provided clarification in the first sentence of the fourth paragraph on page 2 - "*Cindy Li inquired into who would prepare the CEQA related Substitute Environmental Documentation (SED).*" Hearing no additional comments, the Meeting Summary was deemed acceptable as amended.

Signature Status - Amendment No. 1 to Task Force Agreement – SAWPA

Mr. Norton expressed appreciation to Task Force members for their response in providing the signatures for proper execution of Amendment No. 1 to the Task Force Agreement.

Proposals for CEQA Analysis for Basin Plan Amendment – SAWPA and Regional Board

Mr. Norton introduced Keith Dunbar and presented the proposal submitted by K. S. Dunbar & Associates to perform the CEQA analysis for the Basin Plan Amendment. He invited the Task Force to ask questions or comment on the proposal. Following discussion, Mr. Norton thanked Mr. Dunbar for attending the meeting. Mr. Dunbar left the meeting at 1:38 p.m.

Mr. Norton presented the proposal received from CDM (CDM was not present). Following review and discussion of the two proposals received, he recommended the Task Force agencies discuss the proposal with their individual boards and respond back to the Task Force.

Upon motion by Kristen Wardlaw, seconded by Linda Garcia, the motion unanimously carried:

BMP 10/10-01

MOVED, approve execution of a task order with CDM for \$17,000 to conduct CEQA compliance documentation for the Basin Plan Amendment and to invoice Task Force member agencies this fiscal year or next fiscal year for funding necessary to cover the cost.

Basin Plan Amendment for SAR Wasteload Allocation – Risk Sciences and WE Inc.

Tim Moore said the CEQA checklist for this Basin Plan Amendment (BPA) should be straightforward and simple compared to the Stormwater Standards Task Force. This is no impact and in the category of a BPA that neither imposes, mandates or precludes anything because it has no compelling feature to it. Compliance with the CEQA objectives that were adopted in 2004 is required. The wasteload allocation does not establish that obligation, the objectives do. There is no incremental difference in whatever actions are being taken now and what would be required to meet the new wasteload allocation.

Recomputation of Ambient Water Quality for the Period 1990 to 2009 & Interpretive Tools Status – WE Inc.

Andy Malone provided a detailed summary of the history and background for what was done across the watershed over the past 20 years. He presented maps showing the old sub-basins and the current management zones (MZ) in the Basin Plan. Hydrogeologic and hydrologic work was done to develop the MZs. Methods were described and he said water level contour maps were drawn for different time periods. The Bunker Hill B MZ was described as one management unit with areas of recharge and discharge connected by a flow system. When formulating a management plan, it may include stormwater recharge or desalters, so it makes hydrologic sense that this is one interconnected unit, and that management philosophies and strategies will make sense within an established regulatory unit. Everything was redefined from the old to the new.

The next step was to go to the antidegradation objectives. A methodology to develop volume-weighted MZ estimates was done. The total mass of TDS and nitrate was computed in each MZ and then the total volume of groundwater. This was done with data from wells from 1954 to 1973 and these estimates from this time period became our new antidegradation objectives. Estimates for current conditions were 1978 to 1997 and became our measure of compliance against the objective to determine if we have assimilative capacity or not in each MZ.

The procedure was to collect a lot of data and upload into a centralized database, extract data out and generate a statistic for TDS and nitrate at each well and then contour those statistics and compute our volume-weighted estimate and prepare a technical memorandum.

Mr. Malone listed SQL Server, ArcGIS 9 (ArcView), Geostatistical Analyst Extension, various third-party scripts and MS Excel as some of the software tools used today. Due to time constraints, Mr. Malone recommended completing his presentation at the next meeting.

Samantha Adams and Eric Lindberg presented preliminary results of ambient water quality (AWQ) in the San Timoteo Management Zone. She referenced a map stating that two of the major flow sources are discharged from wastewater treatment plants operated by the City of Beaumont and Yucaipa Valley Water District (YVWD). This MZ is one of the few in the Santa Ana region that has maximum benefit objectives, so the Regional Board is strict about the AWQ

computations being done. She noted the wells on the map are privately owned so there is no guarantee they will continue functioning into the future so it has been mandated that the City of Beaumont and YVWD drill new wells for future use.

The Regional Board asked that a preliminary assessment be done of the AWQ in the basin to have some point of reference to understand how to move forward with the wasteload allocation. A modified methodology was developed and for every other management zone a time period from 1990 to 2009 is being done. The minimum dataset is three data points. It was agreed that we would compute the average of all water quality results available and create the TDS and nitrate contours to the average instead of the statistic. She continued review of the map.

SAWPA Interactive GIS/Web Support Tool Demonstration

Mr. Norton provided a demonstration of a web-based tool that allows viewing of Task Force monitoring data and allows users to view well data if they so choose. This tool is password protected and will be shared with the Task Force agencies after it has been demonstrated to all of the participating SAWPA task forces.

Future Meeting

Tuesday – December 7, 2010 at 1:30 p.m.

Adjournment

The Basin Monitoring Program Task Force meeting adjourned at 3:15 p.m.

Handout(s) (available at www.sawpa.org)

1. Proposals – CDM and K.S. Dunbar & Associates, Inc. (not available on web site)
2. Presentation – Ambient Water Quality, WE Inc.
3. Presentation – Preliminary Assessment of AWQ in San Timoteo MZ