

## Basin Monitoring Program Task Force

July 21, 2010

### ATTENDEES:

Jack Nelson, YVWD	Norris Brandt, EVMWD
Joe Zoba, YVWD	Julie Carver, City of Rialto
Kristen Wardlaw, YVWD	Linda Garcia, WMWD
Jim Hyde, IRWD	Lyndy Lewis, City of Corona
Edward Filadelfia, City of Riverside	Jayne Joy, EMWD
Rebecca Schwartz, City of Redlands	Al Javier, EMWD
Jorge Ramirez, City of Redlands	Marsha Westropp, OCWD
Val Housel, San Bernardino MWD	Tim Moore, Risk Sciences
Bobby Gustafson, San Bernardino MWD	Mark Wildermuth, WE Inc.
Kurt Berchtold, CRWQCB	Samantha Adams, WE Inc.
Hope Smythe, CRWQCB	Andy Malone, WE Inc.
Cindy Li, CRWQCB	Eric Lindberg, WE Inc.
Ben Pak, CBWM	Mark Norton, SAWPA
LeAnne Hamilton, IEUA	Rick Whetsel, SAWPA
Jennifer Shepardson, San Berdo MWD	Regina Patterson, SAWPA

### Call to Order/Introductions

The Basin Monitoring Program Task Force meeting was called to order at 1:30 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 June 25, 2010 Meeting Summary for approval. Marsha Westropp asked that clarification be made in the first sentence of the last full paragraph on page 2. Following a brief discussion, the sentence was revised to say "*Referring to the Scenario 7 Addendum, LeAnne Hamilton suggested being cautious about the wording so that no new policy is created regarding what triggers an antidegradation analysis.*" Hearing no additional comments, the Meeting Summary was deemed acceptable as amended.

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

Mr. Norton received the following updates regarding the return of signature pages for Amendment No. 1:

- City of Riverside – Edward Filadelfia following up
- City of Colton – SAWPA will contact
- Jurupa Community Services District – SAWPA will contact
- Western Riverside County Regional Wastewater Authority – Approved at July 12<sup>th</sup> Board meeting

### Annual SAR Water Quality Report - SAWPA

Mr. Whetsel distributed the comments and responses received to the 2009 Draft Annual Report on Santa Ana River Water Quality stating most were editorial. He noted that there were some

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issues with the data received from the Chino Basin Watermaster for the POTWs and that SAWPA staff is making the appropriate data corrections. He then reviewed some of the comments that required direction from the Task Force. He provided a handout of Section 3 of the Annual Report, which discusses the Reach 2 objectives where over the past five or six years we have been reporting a volume-weighted average of the data using all the data collected during the year to demonstrate compliance.

Discussions over the last year revealed that the method as described in the Basin Plan Amendment was not in the Annual Report. The Regional Board requested that methodology be added and through discussion with other stakeholders it was requested that the other methodology remain also. He inquired as to whether the Task Force supported having the two methods or one method in the Basin Plan Amendment. Tim Moore stated the monthly volume-weighted method considers flow-weighting and comes up to the flow-weighted average for each year, but the five year average takes the five annual numbers and clumps them together. The method required by the Basin Plan is not as accurate as the one that has been shown. He suggested doing the new "monthly volume weighted" method as a first step towards getting to an accurate scalping analysis. The method is using a 60-month average, not averaging by year so that information is not lost. Mr. Moore discussed Tables 3-2 and 3-3 and it was determined that both methods would be kept.

Discussion continued regarding a comment from the Regional Board that the monitoring program be revised to assure the stakeholders could demonstrate compliance for each reach. Mr. Whetsel stated that the intent of the Annual Report is to present a summary of available data. There is no monitoring plan associated with the report. Discussion ensued. Hope Smythe said the report evaluates the existing data against the basin plan objectives. Mr. Norton commented that if the Regional Board wants the Task Force to do source tracking then that may need to be spelled out in another Basin Plan Amendment. Cindy Li said she does not expect the Annual Report to do that but would like this report to clearly state the findings at the end, and the decision can be made later on whether to revise the long term plan and include source tracking. Ms. Li said she will discuss with the Regional Board and determine what is needed.

LeAnne Hamilton discussed her comment regarding the number of samples collected in the summer months versus the other months of the year. She said statistically, because there are so many more months in the summer than in other times of the year, the average weighs heavily for the summer months and not the overall year. She suggested averaging the samples for one month and then averaging the 12 months to remove the weight from one time of year. The modification was accepted by the Task Force.

Andy Malone suggested it is appropriate for this Task Force to review the Annual Report annually and recommend changes that are thought to be important. Because so much data has been collected over the past five years and we have become more educated, there may be some important changes that should be made. Mr. Norton suggested doing that during the next year's update to allow the Regional Board time to discuss what they would like to suggest.

Val Housel suggested including the questions and discussion regarding compliance status.

Mr. Whetsel will make the editorial and data corrections. Ms. Li suggested listing the questions and adding them to the end of the Report.

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#### Final Addendum to the 2008 SAR WLA Report – WE Inc.

Andy Malone provided and reviewed the “*Addendum to the 2008 Santa Ana River Wasteload Allocation Model Report Scenario 7 Technical Memorandum*”. He outlined the Memorandum stating that Page 2 describes more about the recent wasteload allocation updates being done for the 2005 Basin Plan Amendment and now this most recent update. Page 3 talks about why the Task Force decided to pursue Scenario 7 and describes what it is and then talks about the results of the wasteload allocation modeling done on Page 5. From there forward, there is discussion about the interpretations made and proper use of the wasteload allocation results. Page 8 specifically talks about the management zones and the use of the results per management zone. The scalping analysis and references and tables reporting the tables have been presented before. The appendices present time series charts with daily data and are included on a CD attached to the back cover along with the entire report.

Mr. Malone reported an email was sent to those individuals who provided comments asking them to review the responses and if there were other issues that needed to be addressed. Those individuals who submitted comments stated they were comfortable with the responses.

#### Methodology for Preliminary Assessment of Assimilative Capacity of the San Timoteo MZ – WE Inc.

Samantha Adams presented “*San Timoteo Management Zone Data Availability for 2006 Ambient Water Quality (AWQ) Recomputation*” stating in the last triennial ambient water quality assessment we were unable to make a determination in the San Timoteo Management Zone (MZ) in 2003 and 2006 due to insufficient data. That management zone is located on the far east of the region sandwiched between the Beaumont MZ, Yucaipa MZ and Bunker Hill B. She displayed data showing points that represent the wells in the basin during the 2006 recomputation period. Red wells represent water quality data that did not meet minimum AWQ requirements, and the green wells represent wells with sufficient water quality data to compute AWQ statistics. Therefore, there was a severe lack of data to do the recomputation. As part of the commitment made by Yucaipa Valley Water District and the City of Beaumont made to the Regional Board, they are to go out and collect the data needed to compute the AWQ. That program began in 2006 with a canvas of the entire basin being done. She presented a map representing what the program looked like in 2008 pointing out that there is a gap in the west and east ends which are lacking in water quality and water level data. A work plan was submitted as part of the requirement by the Regional Board to construct new monitoring wells across the basin. There are still points where there are only one or two years of data. Ms. Adams presented a list of the proposed methodology for the preliminary assessment of ambient water quality in the San Timoteo MZ and discussion followed:

- Perform a round of water level and water quality sampling in August 2010 at all wells in the San Timoteo Management Zone that are able to be sampled
- Calculate N/TDS statistics for all wells with qualifying data between 1991 and 2010
- Calculate an average N/TDS value for all wells with less than three years of water quality data (9 wells)
- Draw groundwater elevation contours for August 2010
- Draw groundwater quality contours and compute preliminary AWQ based on statistics and average values
- Submit completed analysis to the Regional Board on October 30, 2010

Updates will be provided at future meetings on what is being seen and how the methodology is developing.

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

Tim Moore provided the attachment to the Resolution that edits the text on Pages 5-17 through 5-20 of the current Basin Plan. He discussed the revisions in detail throughout the document stating that the emphasis in the Basin Plan Amendment (BPA) will be the 2020 numbers. Table 5-5 is the revised version and there are some issues to discuss on titles because the table is to reflect the background information that was used to populate and run the WLA model. Mr. Moore referenced Table 5-8 on Page 12 showing the wasteload allocations for TDS and TIN through 2020 is the basis for the limits. Discussion of the tables ensued on whether those tables will be included in the staff report, left in the WLA or removed. Mr. Moore said Table 5-8 has everything a permit writer needs to write a permit, everything else is supplemental information.

Mr. Malone said this analysis did not model the impact of reuse on groundwater quality so it is not important to have reuse numbers in the BPA for the wasteload allocation.

Ms. Hamilton asked that the term “permittable” be removed from Table 5-8. After discussion Mr. Moore said he would revise the “permittable discharges” heading only.

Mr. Moore discussed the rationale to support certain conclusions.

Following this meeting, Mr. Moore reported that the intention is to send the file to the Regional Board and then write the staff report by Friday, July 30<sup>th</sup>. This will be taken to the Regional Board on October 29<sup>th</sup> as a Basin Plan Amendment.

Mr. Moore provided a short list of planned updates to the staff report:

- Reanalysis of 10-year metric
- Reconsidering nitrogen loss coefficient based on new data
- Whether or not there is assimilative capacity in San Timoteo
- True trend analysis in Riverside A
- Interpretive tools
- What’s the right way to do Reach 2
- Apparent inconsistency in NPDES permit limits between discharges in the same segment
- What’s the rationale for differing limits
- Scalping analysis
- Reference to the Declaration of Conformance or the Cooperative Agreement and EC Monitoring Program

Comments are to be sent to Hope Smythe, Cindy Li, Mark Norton, Andy Malone and Tim Moore by August 13<sup>th</sup>.

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

Although full discussion of this item was deferred to the next meeting, Andy Malone reported the data collection process for ambient water quality recomputation has begun. Eric Lindberg further reported the data request letter will go out for signature later this week so he asked that the Task Force review the draft text and provide comments by tomorrow. He also asked that any updates to the Master Agency Contact List be provided too. Electronic copies of both items will be provided this evening.

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### Future Meeting(s)

Tuesday - August 24, 2010 at 9:00 a.m.

Tuesday - September 14, 2010 at 1:30 p.m.

### Adjournment

The Basin Monitoring Program Task Force meeting adjourned at 4:10 p.m.

### Handout(s) (available at [www.sawpa.org](http://www.sawpa.org))

1. Comments and responses to 2009 draft Annual Report of SAR Water Quality
2. Section 3 – Analysis of Monitoring Data from Basin Monitoring Program
3. Recomputation of Ambient Water Quality in SAW for 1987-2009 – Master Agency Contact List
4. Addendum to the 2008 Santa Ana River Wasteload Allocation Model Report Scenario 7 Technical Memorandum
5. Attachment to Resolution No. R8-2-10-xxx
6. Preliminary Assessment Presentation re “San Timoteo Management Zone Data Availability for 2006 AWQ Recomputation” - PowerPoint