

Basin Monitoring Program Task Force

August 16, 2017

ATTENDEES:

Ashley Gibson, YVWD
Bobby Gustafson, City of Riverside
Cindy Li, Regional Board
David Jensen, CDM Smith, Inc.
Dennis Williams, GeoScience
Edgar Tellez Foster, CBWM
Edward Filadelfia, Riverside RWQCP
Fakhri Manghi, WMWD
Greg Herzog, City of Riverside PU
Greg Woodside, OCWD
Jayne Joy, EMWD
Jeff Davis, SGPWA
Jennifer McMullin, City of Corona

Jesus Gastelum, EVMWD
Johnson Yeh, GeoScience
Joshua Aguilar, IEUA
Marissa Flores-Acosta, SBMWD
Mark Williams, GeoScience
Michael Cruikshank, DBSA
Raul Arevalo, City of Corona
Robert Eland, Riverside RWQCP
Tim Moore, Risk Sciences
Mark Norton, SAWPA
Zyanya Blancas, SAWPA

Phone: Al Javier , EMWD

Call to Order/Introductions

The Basin Monitoring Program Task Force (Task Force) meeting was called to order at 1:33 p.m. at the Santa Ana Watershed Project Authority (SAWPA) office located at 11615 Sterling Avenue, Riverside, California. Brief introductions were made.

Public Comments

There were no public comments.

Approval of June 13, 2017 Meeting Summary

Meeting summary was approved with a minor modification.

Final 2016 Annual Report of Santa Ana River Water Quality – SAWPA

Mark Norton reported that the Santa Ana River Water Quality Annual Report (Report) was finalized. Upon no further comments from the Task Force, it was agreed to submit the final Report to the Regional Board.

Tim Moore, Risk Sciences, provided a summary of the changes that were made to the Report to prevent accidentally triggering a 303D impairment listing. He stated that a list was created of all the items that need clarification in next year's Report and will be brought up to the Task Force in January 2018.

Considering recent information, Mark Norton indicated that agenda items 5 and 6 are to be combined.

Supplemental Environmental Document & Economic Analysis Update – CDM Smith / SAR Wasteload Allocation Basin Plan Amendment Status – Risk Sciences/Regional Board

Tim Moore, Risk Sciences, informed the Task Force that the Basin Plan Amendment to Revise the Chino South Water Quality Objective for Nitrate was approved by Regional Board on August 4 and will now go to State Board for final approval. As planned, the next process is to complete the Wasteload Allocation Basin Plan Amendment.

It was discovered that the existing effluent limits for TIN and TDS in the current National Pollutant Discharge Elimination System (NPDES) permits can be reauthorized without amending the Basin Plan to adopt a new Wasteload Allocation (WLA); and no allocation of assimilative capacity is required to reauthorize the existing effluent limits for TIN/TDS in the current NPDES permits issued to Rialto and RIX facilities. A rationale for the statements was provided to the Task Force in a two-page document from Risk Sciences, along with a

Comparison of Effluent Limits in 2004 and 2015 WLA Model Runs table. The tables show that the effluent levels that were used in the 2004 and the 2015 for Scenario 8 are identical and in a couple of cases its slightly lower. With this information, it was determined that a Supplement Environmental Document or Economic Document are not required for a WLA.

Triennial Ambient Water Quality Update Presentation – CDM Smith, Inc.

Joe LeClaire, Daniel B. Stephens & Associates, Inc. (DBSA), indicated that comments to the draft results of the Triennial Ambient Water Quality (AWQ) report are due by August 25, 2017 and upon review will then have the final report to Regional Board by September 30.

Michael Cruikshank, DBSA, provided a PowerPoint presentation on the draft results of the AWQ. Cruikshank briefly described DBSA's process of obtaining the estimated volume-weighted AWQ in each groundwater management zone. From the Groundwater Management Zone Boundaries and AWQ Objectives map it was suggested that the contour maps of the bottom of aquifers should be updated since the ones that were used are from the 1960-70s; new data from new wells have shown deeper aquifers. Discussion ensued regarding the results of TDS and Nitrate data and changes in AWQ from 1996 to 2015.

As part of Task 1b, Update the physical model of Groundwater Management Zones (GMZ), DBSA was tasked to pilot study the physical model of the Chino Basin GMZ to evaluate the effect of the update relative to the AWQ results for 1996-2015. The results indicated that there was sufficient benefit to update the physical model for other GMZs. The Task Force must now determine if the physical model is to be updated in the remainder of the GMZs in the watershed in the 1999-2018 AWQ update.

SAR Wasteload Allocation Basin Plan Amendment Status – Geoscience

Johnson Yeh, GeoScience, provided a PowerPoint presentation on TDS and TIN calibration results. The WLAM boundaries has a total of 564 subareas were delineated including the 522 of the WLAM area. The variations in the TDS vs time graphs reflect storm events that have lower TDS values for the Santa Ana River below Prado.

GeoScience will complete TDS/TIN recalibration of the WLAM. They will work with SAWPA staff, the Task Force, and the Regional Board staff to specify range of portable discharge conditions and to identify percolation ponds and retention basins where treated wastewater is regularly recharged to groundwater and where such discharge are presently governed by permits issued by the Regional Board.

Tim Moore stated that he will work with GeoScience on the data request form to ensure that anticipated flows needed for compliance are effectively considered and included in the WLAM.

Dewatering Project Permit Status from USACE – Regional Board/SAWPA

The US Army Corps of Engineers (USACE) informed SAWPA that they will be submitting a check to compensate for their share of modeling costs for the previous two years.

Southern California Salinity Coalition Study Status – CDM Smith/DBSA/Risk Sciences

Joe LeClaire, DBSA, provided a PowerPoint presentation updating the Task Force on the preliminary results to the TDS Trends Study, which is funded by the Southern California Salinity Coalition (SCSC). The Study will determine what are the variables that are raising TDS levels and quantify the variables that cannot be managed by the dischargers. Preliminary results from the pilot studies showed that Source TDS, state mandate conservation, local conservation and Source Q. Discussion ensued regarding the variables that are uncontrollable by the dischargers and how it has affected their individual discharges.

The goal is to have a draft report of this study to the SCSC Board at their September 7, 2017 meeting.

Future Meeting

The next Basin Monitoring Program Task Force meeting is scheduled for Tuesday, September 19, 2017 at 1:00 p.m. and Wednesday, October 18, 2017 1:00 p.m.

Adjournment

3:24 p.m.