MEETING NOTES

Basin Monitoring Program Task Force

September 18, 2019

STAKEHOLDERS PRESENT:

City of Beaumont, Kevin Lee
City of Beaumont, Thaxton Van Belle
City of Corona, Jennifer McMullin
City of Rialto, Tom Crowley
City of Riverside, Bobby Gustafson
City of Riverside, Greg Herzog
Eastern Municipal Water District, Doug Edwards
Eastern Municipal Water District, Al Javier*
Elsinore Valley Municipal WD, Jesus Gastelum
Orange County Water District, Greg Woodside
SBMWD/RIX JPA, Estefania Saorio
San Bernardino Valley Municipal Water District, Matthew Howard
WMWD/WRCRWA, Mallory Gandara
Yucaipa Valley Water District, Madeline Blua

OTHERS PRESENT:

Daniel B. Stephens & Associates, Hannah Erbele
Geoscience Support Services, Johnson Yeh
Geoscience Support Services, Lauren Wicks
LeClaire & Associates, Joe LeClaire
Risk Sciences, Tim Moore
S.A. Watershed Project Authority, Haley Mullay
S.A. Watershed Project Authority, Mark Norton
S.A. Watershed Project Authority, T. Milford Harrison
S.A. Regional Water Quality Control Board, Cindy Li
S.A. Regional Water Quality Control Board, Eric Lindberg
Somach, Simmons, & Dunn, Theresa Dunham
WSC, Michael Cruikshank*
Wildermuth Environmental Inc., Mark Wildermuth*

STAKEHOLDERS ABSENT:

Beaumont-Cherry Valley Water District
Chino Basin Watermaster
City of Banning
City of Redlands
Irvine Ranch Water District
Jurupa Community Service District
San Gorgonio Pass Water Agency
Temescal Valley Water District

* Participated via conference call

Call to Order/Introductions

The Basin Monitoring Program Task Force (Task Force) meeting commenced at 1:31 p.m. at the Santa Ana Watershed Project Authority (SAWPA) located at 11615 Sterling Avenue, Riverside, California. Brief introductions were made.

Approval of August 12, 2019 Meeting Notes

The August 12, 2019 meeting notes were approved.

Triennial Ambient Water Quality Update – WSC, Inc.

Hannah Erbele, of Daniel B. Stephens & Associates, presented a PowerPoint presentation for WSC with a brief overview of the four main steps in the process. Task 1 has been completed, with all data collection giving us the TDS concentrations, nitrate concentrations and groundwater levels across the basin. They are completing Task 2 with the last quality assessments of the point statistics and averages being completed for each of the wells sampled. WSC will be meeting with individual agencies to develop water level and water quality contour maps using the contours from the previous recomputation as guidelines. This will assist with the placement of the point statistics from the most recent data assembled. The goal remains having most maps completed by the October Task Force meeting.

Discussion of the Regulatory Options to Address Potential Degradation in some GMZs – Risk Sciences/Somach, Simmons & Dunn

Tim Moore, Risk Sciences, presented a PowerPoint presentation reviewing and elaborating on the wasteload allocation model tables for various dischargers and their groundwater management zones throughout the watershed. He explained the different scenarios and results that were compiled for Table 6-1 through Table

6-9, presenting outcomes based on various volumes and qualities of discharge throughout the groundwater management zones. The importance of these tables is to assist us in foreseeing issues that could prevent water quality objectives from being met. This specific application of the model evaluates the projections for now (2020) and for 20 years into the future (2040). The wasteload allocation model will be routinely compiled every 10 years, allowing time to react to any changes seen in the data.

Each discharger has concentrations for TDS and TIN with calculations done for the 1-year average, 5-year average, 10-year average and 20-year average. The calibration period used is 2007-2016. Tim Moore reminded the Task Force of what the scenarios represent:

- Scenario A (2020) & D (2040) are maximum discharge volumes into surface receiving waters.
- Scenario C (2020) & F (2040) are minimum discharge volumes into surface receiving waters.
- Scenario B (2020) & E (2040) are actual expected discharge volumes into surface receiving waters.

The discussion of the conditions for specific regions allowed the Task Force to explore the numerous concentration variances present throughout the watershed. Tim Moore's analysis of each table encouraged thinking outside of the box in response to the concentration levels – whether good or bad – urging the Task Force to really pay attention to all of the data.

In the event of higher concentration levels, Tim Moore shed light on the risk of having difficulties obtaining permits through the Regional Water Quality Control Board and proposed routes to dealing with exceedances. Discussion included how high-quality effluent flow is used and possibly utilizing other avenues of concentration management, such as desalter entity partnerships.

Tim also presented situations where low TDS and TIN concentrations levels were projected and the reasons that those areas are easier to manage, especially those that seem unfazed in maximum discharge circumstances. This will facilitate the Task Force in posing positive and productive solutions that can be applied to those troublesome areas of the watershed.

This will all need to be analyzed in the event that the Regional Board grows concerned over an area of exceedance. Tim brought forth concerns over certain Groundwater Management Zones/Reaches that will need to be addressed sooner than others.

Response to comments received for the SAR Watershed Allocation Model TM5, TM6, and the Draft Summary and Report - Geoscience

Johnson Yeh provided PowerPoint presentation showing a compilation of responses to all submissions from the Task Force. Chino Basin Watermaster, in conjunction with Inland Empire Utilities Agency, Orange County Water District, and Tim Moore of Risk Sciences provided comments to Geoscience prior to their given deadlines. Most of the comments were addressed throughout the PowerPoint with individual responses to given questions. OCWD's comments, dated September 9, 2019, were still in the process of being answered. Geoscience plans to provide those answers as soon as they can.

For each of the sections' comments (TM 5, TM 6, and Draft Summary Report), Geoscience categorized the comments received. Johnson reviewed the comments that he had marked for review with the Task Force; this was all specified in the slides presented. It was noted that all slides after the Draft Summary Report title (slide 68) were for the Draft Summary Report, and not for Technical Memo #6 (slides 71-105).

For the comments that requested additional work to be further explored, some of the tasks are pending completion, while others happened to be out of scope of the work dictated by the Request for Proposal document. Geoscience will be compiling a list of requested tasks and a cost to complete those requests. In order to avoid delays in work being completed, the Task Force would like to get that quote/proposal before

the next meeting. Geoscience will forward that quote to Mark Norton at SAWPA, who will pass it along to the Task Force to obtain input, as necessary, prior to moving forward.

Schedule Future Meetings

The next Basin Monitoring Program Task Force meeting is scheduled for Friday, October 25, 2019 at 1:30pm.

Adjournment

The meeting adjourned at 4:03 p.m.