Imported Water Recharge Technical Committee

Wednesday, June 17, 2015
10:00 – 11:00 a.m.
11615 Sterling Avenue, Riverside, CA 92503

AGENDA

1. Call to Order/Introductions
2. Review April 29, 2015 Meeting Notes
3. Basin Monitoring Program Task Force Activities
4. Recharge Reporting Requirements Review
5. Review Status of Modeling and Study Updates by Basin
6. Adjourn

Any person with a disability who requires accommodation in order to participate in this meeting should telephone Workgroup Secretary Sara Villa at 951.354.4243, at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.
Imported Water Recharge
Technical Committee

April 29, 2015

Signatories to the Cooperative Agreement
City of Corona / City of Riverside / City of San Bernardino MWD
EMWD / EVMWD / OCWD / SGPWA / SBVMWD / WMWD

Attendees
Katie Hockett, City of Corona
Tom Moody, City of Corona
Greg Herzog, City of Riverside
Jesus Gastelum, EVMWD
Ailco Wolf, Geoscience
Johnson Yeh, Geoscience
Greg Woodside, OCWD
Marsha Westropp, OCWD
Bob Tincher, SBVMWD
Mark Bulot, SBVMWD
Veva Weamer, Wildermuth Environmental
Mark Norton, SAWPA
Sara Villa, SAWPA

Call to Order / Introductions
The Imported Water Recharge Technical Committee meeting was called to order at 10:01 a.m. at the Santa Ana Watershed Project Authority at 11615 Sterling Avenue, Riverside, CA. Brief introductions were made.

Review Meeting Summary
The January 21, 2015 meeting summary was deemed acceptable with a minor typo to Ms. Veva Weamer’s spelling of her name.

Basin Monitoring Program Task Force Activities
Mr. Mark Norton provided a brief background summary of the Basin Monitoring Program Task Force. He said that they are required to do an Ambient Water Quality Update every three years and Wildermuth Environmental conducts the work. The Task Force also has to do a Wasteload allocation for the Santa Ana River and both of the efforts were done last year. Mr. Mark Norton said that Mr. Tim Moore/Risk Sciences is working on a white paper to justify the allocation of assimilative capacity for the Riverside A Management Zone. He noted that the Regional Board provided comments on the white paper and they felt that additional calculations were necessary for the technical analysis to show the nitrogen projections.

Recharge Reporting Requirements Review
Mr. Mark Norton stated that all the signatories under the Imported Water Recharge Agreement have an obligation to provide a recharge report every three years to the Regional Board. He noted that the report is due to the Regional Board on July 18, 2015, and it was asked to cc SAWPA staff so that it could be posted on SAWPA’s FTP Site. Mr. Mark Norton said that City of Corona has submitted theirs and they have reported not having any recharging activities. The second part of the Agreement is the Ambient Water Quality update which is done by the Basin Monitoring Program Task Force and it has already been submitted to the Regional Board. The third part of the Agreement is doing some groundwater management modeling and projections for the next 20 years. Mr. Mark Norton said that we have all agreed that we will be doing this under a cascading or tiered approach where we start with upstream portion of the watershed and do the modeling of the basins and continue down to Orange County. So far we have modeling reports and projections for Beaumont, Yucaipa and San Timoteo Management Zones. We also have the Bunker Hill A/B, Little, Rialto and Colton, and the San Jacinto and Elsinore area. Mr. Mark Norton said that Riverside A-F Arlington/Temescal/Elsinore requested a time extension from July...
2014 to July 2015. Orange County Water District also requested and received approval to extend their modeling report from July 2015 to July 2016.

**Review Status of Modeling and Study Updates by Basin**

GeoScience provided a power point presentation on the status of the Riverside-Arlington Salt Balance Model. The work performed is described in a Draft Work Plan Technical Memorandum and they have collected QA/QC data for lumped parameter salt balance model. They reported that they held a conference call with participants to review the data for the technical memorandum, and the conceptual model was finalized. It was noted that the remaining work will be to calibrate the historical salt balance model and determine/run predictive salt balance scenarios. The Draft Report will be submitted May 25 and the Final Report will be submitted by June 10. Mr. Mark Norton asked that they provide an updated presentation about their Final Report at the next Imported Water Recharge meeting.

Wildermuth Environmental Inc. provided a power point presentation on the Total Dissolved Solids and Nitrate Concentration Projections for the Temescal Groundwater Management Zone. A brief description was given in regards to the Cooperative Agreement of January 2008 and the Memorandum of Understanding in January 2009. It was noted that at this time the City of Corona has no plans to recharge imported water in the Temescal Groundwater Management Zone. Mr. Mark Norton questioned if in 2009 when the 20 year projections were done, if City of Corona was projecting to recharge, and Mr. Tom Moody said that the Main and Oak Street Basins up along the Santa Ana Mountains were two consideration points for recharge projections, but it is no longer the case because the water is not available. Ms. Veva Weamer referenced the slides on the TDS & N Objectives for the Temescal Groundwater Management Zones on the Ambient Water Quality historical and current (2012) determinations. The model projections were prepared for the period of 2012-2035 and it incorporates the initial conditions of ambient water quality computations. The cooperative agreement lists two modeling techniques; a constantly-stirred reactor model (mass balance approach, and a numerical groundwater-quality model (fate-and-transport model). Ms. Veva Weamer briefed everyone on the technical approach for the existing calibrated MODFLOW groundwater flow model, the uncalibrated MT3D Fate-and-transport model, and the recharge and discharge terms approach. It was asked if there were any plans to do any expansions and it was noted that they are looking into having another desalter in the near future.

Mr. Greg Woodside informed everyone that they are still buying water from MET for groundwater recharge. Mr. Tom Moody noted that depending on the climate it might slow down some of the projections and if we get a lot of rain it has to be sustained.

**Future Meeting**

The next Imported Water Recharge Meeting is scheduled for June 17, 2015 at 10:00 a.m.

**Adjournment**

The meeting adjourned at 11:18 a.m.