Basin Monitoring Program Task Force

October 21, 2009

ATTENDEES:

Jack Nelson, YVWD
Kristen Wardlaw, YVWD
Kevin Street, City of Riverside
Max Rasouli, City of Riverside
Val Housel, San Bernardino MWD
Gerard Thibeault, CRWQCB
Hope Smythe, CRWQCB
Cindy Li, CRWQCB
Linda Garcia, WMWD
Norris Brandt, EVMWD
Shelley Fmija, City of Corona
Carmen Burton, USGS
Robert Kent, USGS
Sandy Caldwell, Southstar Engineering
Julie Carver, City of Rialto
Bonita Fan, IEUA
Jayne Joy, EMWD
Al Javier, EMWD
Greg Woodside, OCWD
Marsha Westropp, OCWD
Sam Fuller, SBVMWD
Tim Moore, Risk Sciences
Mark Wildermuth, WE Inc.
Joe LeClaire, WE Inc.
Andy Malone, WE Inc.
Eric Lindberg, WE Inc.
Mark Norton, SAWPA
Regina Patterson, SAWPA

Call to Order

The Basin Monitoring Program (BMP) Task Force meeting was called to order at 1:35 p.m. at the Santa Ana Watershed Project Authority office located at 11615 Sterling Avenue, Riverside, California. Introductions were made.

Meeting Summary Approval – September 23, 2009

Mark Norton presented the September 23, 2009 Meeting Summary for approval. Greg Woodside, Gerry Thibeault, Val Housel and Joe LeClaire provided clarifications and revisions throughout the meeting summary. Hearing no further comments or revisions, the Meeting Summary was received and filed as amended. The revised meeting summary will be posted to SAWPA's web site.

Amendment No. 1 to Task Force Agreement – SAWPA

This item was deferred.

Computer Simulation Model – Recharge Facilities and Operations – OCWD

Greg Woodside presented and described the OCWD Recharge Facilities and Operations Model stating OCWD has 30 recharge basins that cover approximately 1,100 acres with five points of diversion from the SAR. Primarily water flows to the recharge basin by gravity. There are five pumps that help pump that water into the larger basins. The total storage capacity is about 26,000 acre-feet. The purpose of the model is to help optimize internal systems and to provide a planning tool for future investments. He showed a wiring diagram of the complicated system. The approach starts with defining operation rules and defining specific flows (SAR flows, GWR flows, MWD flows and local inflows). It is a demand driven model routing the demand

(percolation capacity). The model is based on GoldSim software originally developed by Golder Inc. The water is routed to the system based on where the percolation capacity is and all of the available supplies. Each supply has to be accounted for. It includes pipeline and pumping system capacities. Next steps include completing model documentation and utilizing the model for recharge system evaluations, including a Recharge Water Sediment Removal Feasibility Study. He stressed the importance of working together to define Prado inflow and GWR recharge.

Basin Plan Amendment for SAR Wasteload Allocation – WE Inc.

Andy Malone presented Wasteload Allocation Scenario 7 displaying and discussing the POTW plans and the wasteload allocation simulations. Discussion ensued and Mr. Malone responded to questions asked by Task Force members regarding their agency-specific discharge conditions.

Mr. Norton suggested a deadline be determined for the data. Mark Wildermuth reminded the Task Force that this is a 2020 simulation. He invited the Task Force to express any concerns about the chart. There were none.

Mr. Moore asked if the model looks at its loss on the river. Mr. Wildermuth said the model only deals with the land surface and the stream, it doesn't account for the recharge basins. Mr. Moore asked if the model considers the recharge as a new surface water source someplace else in the system. Mr. Wildermuth said the model does not do that, but it can be put in.

The deadline for information to be sent to Mark Wildermuth is Wednesday, October 28th, and WE Inc. will report back the results at the next meeting. Mr. Wildermuth said he can complete the runs. If there has been an exceedance of the metric, and it is significant, we may need to order a new allocation and discuss how to do those allocations. For the individual scenarios with issues, we will have to go back and do some trimming of the TDS or nitrogen to bring it into compliance.

Well Attrition Analysis – WE Inc.

Eric Lindberg reported they ran the ambient water quality code using the data from the previous recomputation but using the upcoming 20-year average period and compared the statistics with the statistics that were generated in the 2006 study and identified wells that may be lost if no new data are collected. A list was developed of 104 wells that may be lost if no new data are collected. Of those 104 wells, the list was distilled down to 49 wells that are considered high priority wells that we don't want to lose. Through contact with the well owners and underlying agencies, it has been determined that the wells have been sampled since the 2006 analysis. Twelve wells still require some further information. Those agencies are being contacted for the data that is needed. Some of the destroyed wells need to be replaced to retrieve necessary data.

It was requested that **City of San Bernardino and EMWD provide data to Eric Lindberg as soon as possible** so the analysis can be move forward later this week. Mr. Lindberg indicated a letter would be prepared for SAWPA's signature to those agencies over destroyed priority wells that need to be replaced. He said he would also directly contact the agencies to confirm that the wells were in fact destroyed, and if they were replaced by another well.

The Task Force adjourned for a break at 3:15 p.m. and reconvened at 3:25 p.m.

RWQCB Declaration of Conformance – Risk Sciences

Tim Moore presented and reviewed the first draft of the Declaration of Conformance to Implement the Recycled Water Policy, reporting it is as an unedited version. The relevant sections have been cut and pasted out of the October 2005 version of the Reclamation Guidance Document (RGD).

In discussing the section on streamlining permits to recharge recycled water, he discussed points of compliance, what is to be done if assimilative capacity is present, when there is no assimilative capacity and how increasing the water quality objectives can occur.

Mr. Moore will email the Word version of the declaration of conformance document for review and requested comments to SAWPA by 5:00 p.m. on November 2nd.

Coordination with Emerging Constituents Workgroup

Mr. Moore discussed the option considered by the EC Workgroup to fold the EC monitoring as an appendix to the annual SAR Water Quality Report. He indicated there may be a concern since the tasks of the Basin Monitoring Program Task Force are regulatory driven and the EC monitoring is a voluntary program. Still, having the EC reporting attached to the SAR report would be far better than including it in POTW discharge monitoring reports.

Future Meeting(s)

Wednesday, November 18, 2009 at 1:30 p.m.
Tuesday, December 8, 2009 at 1:30 p.m.

Adjournment

The Basin Monitoring Program Task Force meeting adjourned at 4:20 p.m.

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

1. OCWD Simulation Model of Recharge Facilities and Operations
2. Wasteload Allocation Scenario 7
3. Well Attrition Analysis Map and Table
4. Declaration of Conformance with Reclaimed Water Policy (Draft)