

**MEETING NOTES  
OF THE  
LAKE ELSINORE/CANYON LAKE TMDL TASK FORCE**

**October 19, 2016**

**PARTICIPANTS**

Chris Stransky  
Kevin Stolzenbach  
Janna Lee  
Richard Meyerhoff  
Steven Wolosoff  
Tad Nakatani  
Cynthia Gabaldon  
Mike Roberts  
Lynn Merrill  
Steve Horn  
Al Javier  
Nancy Horton  
Lauren Sotelo  
Ankita Vyas  
Kyle Gallup  
Mike Venable  
Stuart McKibbin  
Ken Theisen  
Mark Smythe  
Wanda Cross  
Pat Boldt  
Tim Moore  
Mark Norton  
Rick Whetsel

**REPRESENTATIVE**

AMEC Foster Wheeler  
AMEC Foster Wheeler  
Cities of Canyon Lake/Moreno Valley  
CDM Smith  
CDM Smith  
City of Menifee  
City of Perris  
City of Riverside  
City of San Jacinto  
County of Riverside  
Eastern Municipal Water District  
Elsinore Valley MWD  
March JPA  
Michael Baker/Caltrans  
Riverside County Flood Control & WCD  
Riverside County Flood Control & WCD  
Riverside County Flood Control & WCD  
Regional Water Quality Control Board  
Regional Water Quality Control Board  
Regional Water Quality Control Board  
WRCAC  
Risk Sciences  
Santa Ana Watershed Project Authority  
Santa Ana Watershed Project Authority

**Via Conference Call:**

Bobby Gustafson  
Nicole Dailey

Elsinore Valley MWD  
City of Lake Elsinore

**Call to Order & Introductions**

The Lake Elsinore/Canyon Lake TMDL Task Force meeting was called to order at 1:05 p.m. by Mark Norton at the Santa Ana Watershed Project Authority, Riverside, California.

**Meeting Notes**

The Meeting Notes were approved by the Task Force for the meeting held on September 21, 2016.

**Discussion: Update and Revise TMDLS (CDM Smith/Risk Sciences)**

Richard Meyerhoff provided stakeholders an update on the TMDL Technical report, and then introduced Steven Wolosoff to provide an update on the TMDL Source Assessment.

**A. Numeric Target Update:**

Steve Wolosoff provided a PowerPoint presentation updating stakeholders on the effort to revise and update the TMDL Numeric Targets. This included an in depth discussion of the proposed reference Watershed Approach.

**B. Source Assessment:**

Steve Wolosoff provided a presentation updating stakeholders on the effort to characterize nutrient sources for the TMDL Source Assessment.

A direct link is provided below to SAWPA's website containing the presentations given at this meeting:

<http://www.sawpa.org/wp-content/uploads/2012/05/2016-10-19-CDM-Revision-of-the-LE-CL-TMDL1.pdf>

### **Update: Draft LEAMS License Agreement for offset Credits (Risk Sciences)**

Tim Moore provided an overview to stakeholders on the LEAMS O&M agreement between the three original funding partners. This was followed by an overview and discussion of the proposed licensing agreement between the three funding partners and LESJWA.

Steve Horn requested that, as stakeholders have not had an opportunity to review this agreement, to include this item on next month's agenda; give stakeholders the opportunity to review and prepare questions on the agreement.

Mark Norton requested that Tim Moore prepare a list of frequently asked questions or marketing materials for stakeholders to help them answer questions from their respective Boards.

### **Update: Canyon Lake Alum Project (LESJWA Staff)**

#### A. Update" September Alum Application

The report from Aquatechnex and local representatives was that the application went without issue.

Tim Moore brought up an issue with other alum applications being conducted across the State that was shared by Mark Smythe and Ken Theisen regarding some post application studies of water quality. It was discovered that there were elevated levels of aluminum in the sediment data. The unfortunate thing about this is that the EPA calls for the measurement of total recoverable aluminum. Tim noted that it matters a lot what form the aluminum is in as some forms of aluminum are highly reactive. The form of aluminum that is produced during our alum applications to Canyon Lake is aluminum phosphate, which is an inert nontoxic mineral. To support this we did numerous toxicity tests which showed no toxicity.

Unfortunately, the write-up from the other Regional Board, did not address what form the aluminum was in, and reported levels of aluminum far in exceedance of the EPA threshold. Tim Moore wanted to reassure the Regional Board and stakeholders that the task Force addressed in detail any issues regarding toxicity before we even started our alum applications to Canyon Lake, and that what we are doing is completely safe and follows State and EPA guidelines.

Mark Norton noted that there are fact sheets relating to aluminum toxicity available on the LESJWA website [www.mywatersheds.com](http://www.mywatersheds.com) (see LESJWA Projects Update)

#### B. Action Item: RFP for Canyon Lake Alum Application 2017-2020

Mark Norton reviewed the Canyon Lake Alum Treatment Project, noting that it has been over four years since we initiated the project and to maintain a fair and open process it is time to reissue a Request for Proposals. Through this RFP, a three year agreement with the opportunity to extend the agreement two additional years is proposed for two alum applications a year following the same methods and dosage as is detailed in the CEQA documents.

Staff requested a recommendation from the Task Force for staff to take this RFP forward to the LESJWA Board for authorization. **A motion was put forward by Nancy Horton and seconded by Pat Boldt. The motion was passed unanimously.**

#### C. Video: Canyon Lake Alum Project

Mark Norton presented a Canyon Lake Alum Project video funded by LESJWA and prepared by DeGrave Communications, LESJWA's public relations consultant. The video is about six minutes long.

## **Action Item: TMDL Compliance Program (Amec Foster Wheeler)**

### A. Canyon Lake Alum Project Effectiveness Monitoring and Reporting

Chris Stransky presented to stakeholders a proposal for a change order to Amec's existing contract for conducting Canyon Lake Alum Effectiveness monitoring.

This includes a pre- and post-application monitoring following the previous Canyon Lake Alum Effectiveness monitoring plan (as the new Phase 2 monitoring plan has not yet been approved by the Regional Board).

In addition, Mr. Stransky detailed the monitoring and costs to continue this monitoring moving forward.

Tim Moore informed stakeholders that we have completed the pilot project and have more than enough validated data and do not need to do much effectiveness monitoring. Now, what we need are only two relatively light pre alum application monitoring events to confirm appropriate application conditions. This will include only the physical parameters that can be collected using a field probe (depth, Temperature, dissolved oxygen (DO), pH, oxidation / reduction potential (ORP), electrical conductivity (EC), and secchi depth).

Lastly, it was noted that Amec foster Wheeler is working to complete the signature page for the Phase 2 TMDL Compliance Monitoring Program QAPP. Once the signature page is completed, LESJWA staff will submit the Phase 2 TMDL Compliance Monitoring Plan and QAPP to the Regional Board for approval.

## **Lake Updates**

### Lake Elsinore

Nicole Dailey reported that the Lake level continues to drop (estimated at one inch per week), with the current Lake elevation measured at 1232.19 ft above sea-level and TDS at about 3,800 mg/L

She informed the Task Force that there has been a significant improvements in the density of algae mats accumulating along the shoreline of the Lake.

The City is continuing its effort to monitor for cyanotoxins, working with Amec Foster Wheeler in coordination with their monitoring for the Task Force and SCCWRP is continuing their "every other week" monitoring. This City is reviewing both sets of data to try and identify any correlation or trends with the cyanotoxin results. The City plans to meet with Amec and possibly SCCWRP to discuss possible strategies moving forward including keeping the lake posted with warning signs and possible additional monitoring over the winter.

Ms. Dailey also reported that, with deteriorating lake conditions, the City has been approached by a number of individuals with proposals to treat the Lake. She noted an individual that is interested in the lake's aeration system, who is interested in putting together a proposal to do additional research on the system

### Canyon Lake

Nancy Horton reported an issue that has arisen due to the improved water clarity. The Lake is experiencing the excessive growth of masses of Spiny Naiad throughout the Lake.

Tim Moore requested that Amec Foster Wheeler prepare a list of invasive aquatic plants.

After further discussion, it was noted that Spiny Naiad is likely native to California and that the Task Force investigate management alternatives to control the aquatic plant in Canyon Lake.

## **Task Force Administration (LESJWA Staff)**

Rick Whetsel provided an update to stakeholders on the FY 2016-17 invoices sent out on August 19<sup>th</sup>. He noted that there are currently only four outstanding invoices including the Cities of Beaumont, Moreno Valley and Wildomar, along with CA Department of Fish and Game.

He also noted that the only stakeholder to decline their allocation to LEAMS was WRCAC, who has set aside these funds until issues are resolved with the implementation with the San Jacinto CWAD.

Rick Whetsel will prepare a Draft FY 2017-18 budget and send it out to stakeholders for review and comment in November.

**Other Business**

There were no other items of business.

**Schedule Next Meeting**

The next LE&CL TMDL Task Force meeting is scheduled for January 4<sup>th</sup> 1- 4:00 p.m. at SAWPA.

**Adjourn**

The meeting adjourned at 3:45 p.m.