



24 March 2009

Mark Norton
Santa Ana Watershed Project Authority
11615 Sterling Ave.
Riverside, CA 92503

RE: Proposed Scope-of-Work for Phase II of the Emerging Constituents Workgroup

Dear Mr. Norton

Per your request, I have prepared the following proposed Scope-of-Work to assist the Emerging Constituents Workgroup (ECW) in 2009.

Background

In 2006, the Santa Ana Regional Water Quality Control Board ("Regional Board") proposed draft Waste Discharge Requirements (WDR) for projects intending to recharge State Project water and Colorado River water to local groundwaters. However, in lieu of issuing WDRs, the Regional Board recently endorsed a Cooperative Agreement requiring various water agencies to implement a nitrogen and TDS monitoring/modeling program.

In addition, stakeholders throughout the Santa Ana watershed agreed to work closely with the Regional Board to develop an appropriate investigation strategy for other potential pollutants. In 2008, the Santa Ana Watershed Project Authority (SAWPA) convened a workgroup to follow-through on that commitment. The results of the ECW's initial effort (Phase I) are summarized in a document entitled: "2008 Progress Report of the Emerging Constituents Workgroup."

In general, the ECW agreed that it was appropriate to develop some sort of long-term management for emerging constituents. The ECW also found that such a program should reflect the experience gained from the on-going EC characterization studies sponsored by Orange County Water District, Metropolitan Water District of Southern California and the National Water Research Institute. Finally, the ECW concluded that future efforts to investigate emerging constituents should be guided by the suggestions offered by various scientific and regulatory experts who provided insightful presentations to the Workgroup in the summer of 2008.

As a result, the ECW affirmed their previous commitment to develop and submit a more detailed EC investigation plan to the Regional Board by the fall of 2009. The ECW intends to meet regularly in the coming months to fulfill that promise. Risk Sciences would like to continue assisting the ECW through this next phase of the project.

Scope-of-Work

Beginning in April, we anticipate that the ECW will meet approximately once per month for the remainder of 2009. Risk Sciences proposes to continue serving as the lead facilitator for the ECW. In that role we will organize the work schedule, coordinate the meeting agendas, mediate workgroup and prepare draft and final documents on behalf of the group. In addition, Risk Sciences will prepare and present progress reports at regular meetings of the Regional Board. Table 1 provides a Work Breakdown Structure for the tasks that must be completed this year. Table 2 provides a meeting schedule and a schedule of deliverables for Phase II

Table 1: Work Breakdown Structure for ECW-Phase II (2009)

#	Task Description	Est. Time
1	Prepare for and facilitate up to eight meetings of the Emerging Constituents Workgroup.	128 hours
2	Prepare draft plan (not incl. QAPP) and revise as required by the Emerging Constituents Workgroup.	40 hours
3	Prepare and deliver summary presentation of the ECW's recommended plan at Regional Board workshop.	16 hours
Est. Total		184 hours

Table 2: Schedule for ECW – Phase II (2009)

#	Meetings and Deliverables	Due Date
1	Develop Preliminary Design – Part I	Apr., 2009
2	Resolve Regulatory Issues (Antidegradation, Narrative Translators)	May, 2009
3	Review Results from OCWD/Metropolitan/NWRI Study	June, 2009
4	Develop Preliminary Design – Part II	July, 2009
5	Submit Draft Plan	Aug., 2009
6	Revise Recommended Plan	Sep., 2009
7	Finalize Recommended Plan	Oct., 2009
8	Confirm Agency Commitments to Implement Plan	Nov., 2009
9	Participate in Regional Board Workshop	Dec., 2009

Task #1, to develop Part I of the Preliminary Design will define the purpose of any EC monitoring program, identify the proposed sampling locations and specify when samples should be collected and analyzed. Task #4, to develop Part II of the Preliminary Design, will determine what EC's should be evaluated, describe what analytical methods should be used (including QA/QC requirements) and establish which agency or agencies are responsible for implementation.

Compensation

Table 3: Requested Compensation and Reimbursement

Description	Amount
184 hours of Professional Effort	\$51,520
Est. Travel Expenses (9 trips)	\$8,100
Total	\$59,620

We note that Risk Sciences expended less than half of the total contract amount authorized for Phase I. This was due to the absence of significant controversy surrounding the 2008 Progress Report and the resulting reduction in effort required to revise the document. In addition, we were able to accrue significant cost savings by sharing travel expenses among several other projects in the Santa Ana Region. We expect to achieve similar efficiencies in 2009, however the estimated travel expenses shown in Table 3 reflect a "worst-case" assumption to the contrary. In all, nearly 40% of the proposed cost for Phase II can be covered with funds leftover from Phase I.

Risk Sciences sincerely appreciates the opportunity to support the Emerging Constituents Workgroup and look forward to completing the project later this year.

Respectfully submitted,



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