

Exhibit A

Scope of Work

1. Overview

_____ will provide contracting and contract administration services for projects to implement technical components of the *Workplan for Development of Water Quality Objectives for Salinity on the Lower San Joaquin River* (Attachment A). The purpose of this work is to provide the scientific basis to develop objectives for the Lower San Joaquin River (LSJR) upstream of Vernalis. The effort is being led by the LSJR Committee, a sub-committee of Central Valley Salinity Alternatives for Long-term Sustainability (CV-SALTS). CV-SALTS is a stakeholder initiative coordinated with the Central Valley Regional Water Quality Control Board (Central Valley Water Board) and the Central Valley Salinity Coalition (CVSC) in conjunction with the State Water Resources Control Board (State Water Board) per a March 2010 Memorandum of Agreement.

2. Project Representatives

A. The project representatives during the term of this Agreement will be:

Central Valley Regional Water Quality Control Board	_____
Jeanne Chilcott, Contract Manager	Name:
Phone: (916) 464-4788	Phone:
Fax: (916) 464-4800	Fax:
E-mail: jjchilcott@waterboards.ca.gov	E-mail:

B. Direct all inquiries to:

Central Valley Regional Water Quality Control Board	_____
Attention: Linda Bracamonte	Attention:
11020 Sun Center Drive, Suite 200 Rancho Cordova, CA 95670-6114	
Phone: (916) 464-4620	Phone:
Fax: (916) 464-4600	Fax:
E-mail: lbracamonte@waterboards.ca.gov	E-mail:

C. Either party may make changes to the information above by giving written notice to the other party. Said changes shall not require an amendment to this agreement.

3. Background

A. The Regional Board and the State Water Board have concluded that as the surface water and groundwater supplies of the Central Valley become intensely used and as wastewater streams become more concentrated, salinity and nitrate impairments are being discovered with greater frequency. The Regional Board

- and the State Water Board have initiated a comprehensive effort to address salinity problems in California's Central Valley and adopt long-term solutions that will lead to water quality that can be maintained at levels supportive of beneficial uses and economic sustainability. Central Valley Salinity Alternatives for Long-Term Sustainability (CV-SALTS) is an effort to develop and implement a comprehensive salinity/nutrient management program. The goal of CV-SALTS is to maintain a healthy environment and a good quality of life for all Californians by protecting our most essential and vulnerable resource, water.
- B. Since 2006, CV-SALTS has established several committees, which have provided the leadership and oversight for the effort.
- C. In September 2004, the Regional Board adopted a Basin Plan Amendment (amendment) to meet salinity objectives at Vernalis. The amendment also called for the future development of salt and boron water quality objectives upstream of Vernalis. CV-SALTS established the LSJR Committee to direct the effort to develop those objectives and a plan for implementing them in a draft Basin Plan Amendment that will be presented for adoption by the Central Valley Water Board. The Committee has developed a workplan (Attachment A) to accomplish that task.
- D. (provide a description of contract administrator)
- E. On 3 February 2009, the State Water Board adopted Resolution No. 2009-0009, which approved the use of \$1,765,000 in Cleanup and Abatement Account (CAA) funding for to support a comprehensive effort to address salinity problems in the Bay-Delta and Central Valley region. This effort was to include review of and potential updates to provisions of (a) the Bay-Delta Plan concerning southern Delta salinity, and (b) the Central Valley Plan concerning San Joaquin River salinity. Of the total amount approved, \$765,000 was intended for use in the San Joaquin River salinity effort. Specifically, the San Joaquin River portion of the funding was allocated to develop salinity objectives and an implementation plan for salinity on the river upstream of Vernalis.
- F. This contract encumbers the \$765,000 allocated for San Joaquin River salinity project in order to: review and identify potential revisions to LSJR beneficial uses and water quality objectives, characterize current water quality conditions, estimate baseline salt loading, evaluate compliance with proposed water quality objectives, conduct implementation planning and an economic analysis, develop a monitoring and reporting plan, prepare draft Basin Plan Amendment language, and prepare CEQA documentation.
- G. Contracting with _____ provides oversight of the technical tasks related to the project by a local entity familiar with the Lower San Joaquin Basin's unique characteristics and highly managed hydrology.

4. Services to be Performed

- A. Project Selection

Contractor name

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- 1) With input from the LSJR Committee, the Central Valley Water Board Contract Manager will identify and prioritize specific projects that will be conducted to complete the project, and will approve a detailed scope of work, including a description of the expected tasks, budgets, schedule, deliverables, and reporting requirements for each project proposed for funding.
- 2) The Central Valley Water Board Contract Manager will also ask the LSJR Committee to i.) develop the draft scope of work for each proposed project; and ii) participate in the selection of the sub-contractor.
- 3) The Central Valley Water Board Contract Manager shall provide _____ with a notice to proceed together with the Final Scope of Work and any appropriate supporting documents for each approved project.

B. Contracts and Administration

- 1) Promptly upon receipt of the notice to proceed from the Regional Board Contract Manager, _____ will implement a process to solicit services to implement the approved project.
 - a) _____ will develop appropriate packages and request proposals in accordance with the requirements of Section 3.06 of the State Contracting Manual.
 - b) Prior to the award of a subcontract for any approved project, _____ shall submit the proposed subcontract for approval by the Regional Board Contract Manager.
- 2) _____ shall provide oversight and management of the projects, including, but not limited to the following:
 - a) All projects must include progress reports and draft reports to the Regional Board Contract Manager and the LSJR Committee, allowing time for development of comments by these parties, and for responding to the comments received.
 - b) _____ will prepare and submit quarterly reports describing work completed during the quarter and invoices as described in Exhibit B of this contract.
 - c) Five hard copies and two electronic copies of each of the final project reports prepared under this contract will be submitted to the Regional Board Contract Manager. Final payment will not be made until the reports are received and accepted by the Regional Board Contract Manager.
 - d) _____ will prepare and submit a final report summarizing all work completed under this contract

C. Subcontracted Technical Tasks

- 1) Review LSJR Beneficial Uses
 - a) Evaluate the existing beneficial uses definitions in the Basin Plan
 - b) Evaluate listings from other sources
 - c) Identify proposed changes in beneficial use designations for the Basin Plan
 - d) Prepare draft Basin Plan language for the proposed changes
- 2) Review LSJR Water Quality Objectives
 - a) Review water quality criteria
 - b) Delineate water quality criteria
 - c) Review established water quality objectives for salinity
 - d) Develop a set or range of water quality objectives for further analysis
- 3) Water Quality Data Update
 - a) Update water quality database to current conditions
 - b) Identify missing data
- 4) Estimate Baseline Salt Loading
 - a) Identify significant salt sources
 - b) Quantify salt loading to the river
 - c) Develop salt budget
- 5) Water Quality Modeling
 - a) Conduct seasonal and water-year analysis
 - b) Evaluate compliance with proposed objectives
- 6) Implementation Planning
 - a) Develop implementation alternatives for further evaluation
 - b) Develop method/criteria for screening alternatives
 - c) Conduct detailed analysis of selected alternatives
 - d) Select alternative for implementation
 - e) Develop program of implementation
- 7) Economic Analysis
 - a) Estimate costs of implementation of selected alternative to discharge sectors
 - b) Estimate cost of alternative water quality objectives
- 8) Long-term Monitoring and Reporting
 - a) Develop goals
 - b) Prepare compliance monitoring and reporting program
- 9) Substitute Environmental Documentation (SED) and CEQA
 - a) Draft CEQA functional equivalent documentation

Contractor name

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10) Prepare Basin Plan Amendment

a) Prepare draft Basin Plan amendment language

b) Prepare documentation for presentation to Regional Board staff

5. Deliverables

Deliverables	Due Date
Quarterly reports describing work completed during the quarter and invoices	30-days following calendar quarter
Final individual project reports	As approved by Contract Manager
Draft Basin Plan language, documentation and SED	As approved by Contract Manager but no later than 1 July 2014

DRAFT