

Proposal Full View

Print

Applicant Information

Organization Name Sacramento Groundwater Authority *

Tax ID **752977318**

Proposal Name **Assessment and Development of
Tools for Managing PCE
Contamination in the North
Sacramento County Groundwater
Basin** *

Proposal Objective **The primary goal of the study is to minimize the impact of a regional occurrence of tetrachloroethylene (PCE) contamination on the region's groundwater supply. In support of this goal four objectives have been established for the proposed project: 1) better define the presence of PCE around the perimeter of the Cal American Lincoln Oaks Service Area where the highest PCE concentrations are found; 2) better define the nature of the presence of the PCE; 3) better define potential source areas of the PCE; and 4) better define where the PCE could go given recent groundwater extraction patterns.** *

Budget

Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$7,040.00
Amount Requested	\$249,966.00 *
Total Project Cost	\$257,006.00 *

Geographic Information

Latitude * DD(+/-) 38 MM 42 SS 59

Longitude * DD(+/-) -121 MM 17 SS 37

Longitude/Latitude Clarification Location

County Sacramento *

Ground Water Basin Sacramento Valley-North American

Hydrologic Region Sacramento River

Watershed 79 Valley-American

Legislative Information

Assembly District	4th Assembly District,5th Assembly District,9th Assembly District,10th Assembly District *
Senate District	1st Senate District,6th Senate District *
US Congressional District	District 3 (CA),District 4 (CA),District 5 (CA) *

Project Information

Project Name Assessment and Development of Too

Implementing Organization	Sacramento Groundwater Authority
Secondary Implementing Organization	
Proposed Start Date	4/15/2013
Proposed End Date	4/15/2015
Project Scope	CEQA; drilling permits; build two triple completion monitoring wells; sample for PCE and other VOCs; fate and transport model

Project Description

The Sacramento Groundwater Authority (SGA) will perform an assessment and develop tools for the long-term management of a regionally-extensive occurrence of tetrachlorethylene (PCE) contamination in groundwater in northern Sacramento County. Detectable concentrations of PCE have been measured in 11 wells spread over a more than 2 mile-long area, with three wells exceeding the maximum contaminant level (MCL) of 5 micrograms per liter (ug/L). Despite extensive coordination with regulatory agencies, no potential responsible party (PRP) has been found to date. The primary goal of the study is to minimize the impact of the contaminant on the region's groundwater supply. In support of this goal, the proposed project will better characterize the extent and nature of the contaminant through the construction of strategically located multi-completion monitoring wells and additional water quality sampling of existing and newly constructed monitoring wells. A recently completed groundwater model for the region will be used to develop contaminant transport scenarios to identify the pathway of PCE migration to its current location and to predict where the contaminant may move in the future. The work will help to identify potential sources for the contaminants, and the monitoring wells and model will serve as long-term management

	tools to mitigate against further impacts from the contaminant.
Project Objective	The objectives for the proposed project are: 1) better define the presence of PCE around the perimeter of the Cal American Lincoln Oaks Service Area where the highest PCE concentrations are found; 2) better define the nature of the presence of the PCE; 3) better define potential source areas of the PCE; and 4) better define where the PCE could go given recent groundwater extraction patterns.

Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Storage -- Groundwater-Water Supply Enhancement	20000	Mitigate against PCE contamination

Project Objective

Budget

Other Contribution	<input type="text" value="0"/>
Local Contribution	<input type="text" value="0"/>
Federal Contribution	<input type="text" value="0"/>
Inkind Contribution	<input type="text" value="7040"/>
Amount Requested	<input type="text" value="249966"/>
Total Project Cost	<input type="text" value="257006"/>

Geographic Information

Latitude DD(+/-)	<input type="text" value="38"/>	MM	<input type="text" value="42"/>	SS	<input type="text" value="59"/>
Longitude DD(+/-)	<input type="text" value="-121"/>	MM	<input type="text" value="17"/>	SS	<input type="text" value="37"/>

Longitude/Latitude Clarification Location

County Sacramento Ground Water Basin Sacramento Valley-North American Hydrologic Region
 Sacramento River WaterShed

Legislative Information

Assembly District	4th Assembly District,5th Assembly District,9th Assembly District,10th Assembly District
Senate District	1st Senate District,6th Senate District
US Congressional District	District 3 (CA),District 4 (CA),District 5 (CA)

Section : Applicant Information and Question's Tab

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. Applicant Information

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.

Sacramento Groundwater Authority 5620 Birdcage Street, Suite 180 Citrus Heights, CA 95610

Q2. Proposal Description:

Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.

The Sacramento Groundwater Authority (SGA) will perform an assessment and develop tools for the long-term management of a regionally-extensive occurrence of tetrachlorethylene (PCE) contamination in groundwater in northern Sacramento County. Eleven wells within the California American Water Company and Sacramento Suburban Water District have observed continued and increasing concentrations of PCE, with three of those wells exceeding the drinking water maximum contaminant level of five (5) micrograms per liter. Despite extensive communication with regulatory agencies through regular meetings of SGA's Regional Contamination Issues Committee, potential sources of the PCE contamination remain unidentified. The project will install two triple-completion monitoring wells, conduct regional groundwater sampling for PCE and associated volatile organic compounds, and conduct predictive contaminant fate and transport modeling. The proposed work will provide SGA and its member agencies with: 1) information on the nature, extent, and potential mobility of high levels of PCE observed in northern Sacramento County; and 2) tools to plan for basin operations that minimize potential impacts to water supply from this contamination. The proposed project is directly related to the primary goal of the SGA groundwater management plan "to ensure a viable groundwater resource for beneficial uses including agricultural, industrial, and municipal supplies that support that support the Water Forum Agreement's co-equal objectives of providing a reliable and safe water supply and preserving the fishery, wildlife, recreational, and aesthetic values of the lower American River." This goal cannot be met without a sustainable groundwater basin. Additionally, the project is directly supportive of the SGA basin management objective to "maintain or improve groundwater quality in the SGA area to ensure sustainable use of the groundwater basin."

Q3. Project Director:

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.

John K. Woodling Executive Director Sacramento Groundwater Authority 5620 Birdcage Street, Suite 180 Citrus Heights, CA 95610 916-967-7692 jwoodling@rwah2o.org

Q4. Project Manager:

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.

Robert J. Swartz Principal Project Manager Sacramento Groundwater Authority 5620 Birdcage Street, Suite 180 Citrus Heights, CA 95610 916-967-7692 rswartz@rwah2o.org

Q5. Additional Information:

Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:

http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm

- 1) Northern Region
- 2) North Central Region
- 3) South Central Region
- 4) Southern Region

Q6. Additional Information:

Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.

SGA formally adopted a groundwater management plan (GWMP) on December 11, 2008. SGA's authority to prepare a GWMP is provided through a Joint Exercise of Powers Agreement (pursuant to Chapter 5 of Division 7 of Title 1 of the California Government Code) by and among Sacramento County and the cities of Folsom, Citrus Heights, and Sacramento. The plan was prepared in compliance with Water Code Section 10753 et seq.

Q7. Additional Information:

Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).

Sacramento Groundwater Authority Groundwater Management Plan - December 11, 2008 Joint Powers Agreement Between the City of Citrus Heights, the City of Folsom, the City of Sacramento and the County of Sacramento Creating the Sacramento Groundwater Authority - Effective October 13, 1998

Q8. Additional Information

question with, "No Other Contributions".

No Other Contributions

Q9. Eligibility:

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.

None

Q10. Eligibility:

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.

Not Applicable

Q11. Completeness Check:

Have all of the fields in the application been completed?

Yes

Q.11. Completeness Check (cont)

If no, please explain. If yes, answer this question with "NA".

NA

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

Attachment 1. Authorizing Documentation

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att1_LGA12_SGA_AuthDoc_1of1.pdf

Attachment 2. Eligible Applicant Documentation

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att2_LGA12_SGA_EligDoc_1of1.pdf

Attachment 3. Status of GWMP

Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att3_LGA12_SGA_GWMP_1of1.pdf

Attachment 4. Project Description

Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att4_LGA12_SGA_ProjD_1of1.pdf

Attachment 5. Work Plan

Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att5_LGA12_SGA_WrkPln_1of1.pdf

Attachment 6. Budget

Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att6_LGA12_SGA_BUDGET_1of1.pdf

Attachment 7. Schedule

Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att7_LGA12_SGA_SCHED_1of1.pdf

Attachment 8. Quality Assurance

Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att8_LGA12_SGA_QA_1of1.pdf

Attachment 9. Past Performance

Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att9_LGA12_SGA_PERFORM_1of1.pdf

Attachment 10. AB1420 and Water Meter Implementation Compliance

Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att10_LGA12_SGA_1420_1of1.pdf
