

Responses to Comments on Calleguas Creek Watershed Special Study #2 Work Plan: Selenium in Groundwater Dated March 26, 2008 (Revised May 2010)

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Comment No.	Comment	Response	Revision
1	A map and detailed list of existing wells and related information including well location, well depth, perforation depth, groundwater elevation and gradient, and groundwater quality data.	Text added	Yes
2	A list of local experts and agencies, which at minimum, will be contacted to collect additional information about well construction and water quality.	Text added	Yes
3	Analysis of soil samples previously collected, and the subsurface geological formation.	Text added	Yes
4	The work plan should provide a detailed description of how water quality data will be evaluated. Regional Board staff recommends that water quality objectives as contained in the Basin Plan should be used to identify and compare high selenium concentration areas.	Criteria for evaluation added on page 10.	Yes
5	Prior to commencing additional monitoring, the responsible agencies must submit to the Regional Board a summary of the existing data evaluation and proposed monitoring to fill data gaps for selenium in groundwater.	Additional text added to task 2.3 to address this comment.	Yes
6	As identified in the workplan, high selenium concentrations are detected in wells located in the Revolon Slough subwatershed. Furthermore, additional high selenium concentration areas may be identified in Tasks 2.1, 2.2, and 2.3. A more detailed monitoring program in potential high concentration areas identified in Task 2.1, 2.2, and 2.3 and in the Revolon Slough must be included to confirm high concentration areas and address data gaps. The monitoring program should provide a list of constituents for which analysis will be conducted, sampling frequency, criteria for sampling wells selection, and descriptions and maps of sampling well locations.	List of constituents to be monitored added to Task 3. Text describing the additional requirements for the monitoring plan was added.	Yes
7	If additional monitoring wells are needed to identify sources and delineate the extent of high concentration areas vertically and horizontally, all fieldwork related to installation must be conducted by or under the direct supervision of a registered geologist or licensed engineer (State Water Resources Control Board, Resolution No. 92-49, under Water Code Section 13304). All technical documents submitted to the Regional Board must be reviewed and signed and/or stamped by a California registered civil engineer with at least five years hydrogeologic experience.	No additional monitoring wells will be constructed for this study so this information is not necessary to the workplan. Additional text was added to clarify that existing wells will be used for data collection.	No
8	All groundwater monitoring wells must be surveyed to be a benchmark of known elevation above mean sea level by a California licensed land surveyor. The survey report, signed by the licensee, shall be included in the report. Monitoring well construction and development must comply with pertinent California requirements.	Text added, page. 11	Yes
9	As outlined in the work plan, the proposed potential solutions are mainly to provide alternative water supplies instead of treating or removing selenium from areas with high selenium concentrations in groundwater. The work plan should provide a greater range of potential strategies that will reduce selenium concentrations in groundwater or alternative solutions to remove contaminated groundwater.	Additional discussion of potential control strategies added to Task 4.2.	Yes
10	The work plan should also provide a more detailed description of potential control measures in areas that are identified as impacted by anthropogenic sources of selenium.	Additional discussion of potential control strategies added to Task 4.2.	Yes