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## Central Valley Regional Water Quality Control Board

24 January 2014

David Guy  
Northern California Water Association  
Sacramento Valley Water Quality Coalition  
455 Capitol Mall, Suite 335  
Sacramento, CA 95814

### **COMPLETION OF THE CHLORPYRIFOS AND *CERIODAPHNIA* TOXICITY MANAGEMENT PLANS ON WALKER CREEK IN THE COLUSA GLENN SUBWATERSHED**

Thank you for your letter of 6 March 2013 requesting approval for completion of the Walker Creek Management Plans for chlorpyrifos and *Ceriodaphnia* toxicity. This request is supported by extensive monitoring and grower outreach as presented in your request letter, as well as the supplemental letter with supporting information from the Colusa-Glenn subwatershed program dated 6 November 2013.

Table 1 in your original letter shows that the Sacramento Valley Water Quality Coalition (Coalition) monitoring program detected chlorpyrifos concentrations in Walker Creek exceeding the 4-day average water quality objective (0.015 µg/L) on three occasions over a two year period. Since the last exceedance in July 2009, the Coalition has detected no exceedances in Walker Creek in fifteen (15) monitoring events. In a supplemental communication received by Water Board staff on 24 September 2013, the Coalition indicated that chlorpyrifos was not detected in monitoring samples from Walker Creek in July and August of this year.

In 2007, the Coalition reported three monitoring events where samples were significantly toxic to *Ceriodaphnia dubia* (Table 1). One of those toxic events was associated with an exceedance of the chlorpyrifos water quality objective. Since that time, all 33 samples taken from Walker Creek were non-toxic to *Ceriodaphnia*.

In support of your monitoring results, your letters show that the Colusa Glenn subwatershed program has carried out a robust and credible outreach and education program targeted at the growers in all the drainages represented by Walker Creek. In addition, the subwatershed organization has secured funding from the Natural Resources Conservation Service to help growers in the area implement management practices that reduce runoff from agricultural fields and many farm fields have been converted from furrow to drip irrigation systems throughout the represented drainages.

Based on the information provided by the Coalition, I have determined that the chlorpyrifos and *Ceriodaphnia* toxicity Management Plans for Walker Creek, are complete and further actions identified in the Plans are not required.

If you have any questions or comments regarding this approval, please contact Mark Cady at (916) 464-4654, or by email at [mcady@waterboards.ca.gov](mailto:mcady@waterboards.ca.gov).

*Original signed by*

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Executive Officer

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