

SVWQC Communication Report

DATE: July 9, 2008
TO: Jodi Pontureri, Central Valley Regional Water Quality Control Board
CC: Joe Karkoski, Central Valley Regional Water Quality Control Board
Margie Read, Central Valley Regional Water Quality Control Board
FROM: Sacramento Valley Water Quality Coalition
SUBJECT: Follow-up to Exceedance Report dated May 7, 2008
EVENT DATES: February 21-22, 2008 (Event 027)
EVENT TYPE: Storm Season
RESULT TYPES: Laboratory Chemistry Analyses

SUMMARY OF EXCEEDANCES

The Sacramento Valley Water Quality Coalition (Coalition) conducted water sampling from February 21, 2008 through February 22, 2008 as required by the Irrigated Lands Conditional Waiver and the Coalition's Monitoring and Reporting Program Plan (MRPP). This Communication Report presents the results of additional evaluations and provides information supplemental to the Exceedance Report dated May 7, 2008. The observed exceedances of the Basin Plan's numeric objectives and numeric interpretations of narrative objectives, as well as planned follow-up actions, are summarized in **Table 1**.

FOLLOW-UP ACTIONS

In response to the observed exceedances of the Basin Plan narrative toxicity objective, the following actions were implemented:

- For exceedances being addressed by Management Plans currently in effect or under development, follow-up actions will be performed as determined in those plans.
- No follow-up sampling was planned or conducted.
- Chemical exceedances of toxic pollutants were compared with toxicity results to determine if they may have contributed to significant toxicity.
- Information regarding these exceedances will be provided to local growers in the affected subwatershed through local outreach efforts.

Discussion of additional relevant follow-up actions will be initiated with the representatives of the affected subwatershed as outlined in the Coalition's communication strategy document.

Results of Chemical Analyses

Chemical exceedances were compared with toxicity results to determine if they may have contributed to significant toxicity. Specifically, results were reviewed for *Ceriodaphnia* toxicity at COONH and GIDLR, where DDE (p,p') exceedances were observed. No *Ceriodaphnia* toxicity was present in samples from these sites.

CONCLUSIONS AND ADDITIONAL FOLLOW-UP ACTIONS

Based on the observed exceedances, the primary follow-up actions recommended are to provide the information in this report to growers in each watershed and to implement the standard procedures outlined in the Coalition's communication strategy document. No other additional follow-up actions or reports are recommended or planned for the observed exceedances based on these results. All other exceedances cited in this report will be addressed by specific management plans, either ongoing or planned.

Table 1. Summary of Exceedances and Follow-Up Actions

Subwatershed	Site ID	Site	Sample Date	Analyte	Units	Result	WQO ⁽¹⁾	WQO Basis ⁽²⁾	Follow-up Evaluations			
									Included in Existing Management Plan?	Follow-up Sampling	Compare to Tox Results	Outreach
Butte-Yuba-Sutter	LSNKR	Lower Snake R. at Nuestro Rd	02/22/08	<i>E. Coli</i>	MPN/100mL	260	235	BPA	(6)	NO	NO	YES
Colusa-Glenn	COLDR	Colusa Basin Drain above KL	03/12/08	TDS	mg/L	580	500 ⁽⁴⁾	Narrative	(6)	NO	NO	YES
Colusa-Glenn	FRSHC	Freshwater Creek at Gibson Rd	02/21/08	TDS	mg/L	550	500 ⁽⁴⁾	Narrative	(6)	NO	NO	YES
Colusa-Glenn	LRLNC	Lurline Creek at 99W	02/21/08	<i>E. Coli</i>	MPN/100mL	250	235	BPA	(6)	NO	NO	YES
El Dorado	COONH	Coon Hollow Creek	02/22/08	DDE(p,p')	ug/L	0.0046	0.00059	CTR	(6)	NO	YES	YES
PNSSNS	CCBRW	Coon Creek at Brewer Road	02/22/08	<i>E. Coli</i>	MPN/100mL	2400	235	BPA	(6)	NO	NO	YES
Sacramento-Amador	GIDLR	Grand Island Drain near Leary Road	02/21/08	TDS	mg/L	640	500 ⁽⁴⁾	Narrative	(6)	NO	NO	YES
Sacramento-Amador	GIDLR	Grand Island Drain near Leary Road	02/21/08	<i>E. Coli</i>	MPN/100mL	1300	235	BPA	(6)	NO	NO	YES
Sacramento-Amador	GIDLR	Grand Island Drain near Leary Road	02/21/08	DDE(p,p')	ug/L	0.0032	0.00059	CTR	(6)	NO	YES	YES
Solano-Yolo	CCCPY	Cache Creek at Capay Diversion Dam	02/22/08	Boron	ug/L	1800	700 ⁽⁵⁾	Narrative	YES	NO	NO	YES
Solano-Yolo	UCBRD	Ulatis Creek at Brown Road	02/21/08	TDS	mg/L	590	500 ⁽⁴⁾	Narrative	YES	NO	NO	YES
Solano-Yolo	WLSPL	Willow Slough Bypass at Pole Line	02/21/08	TDS	mg/L	580	500 ⁽⁴⁾	Narrative	YES	NO	NO	YES
Solano-Yolo	WLSPL	Willow Slough Bypass at Pole Line	02/21/08	Boron	ug/L	2200	700 ⁽⁵⁾	Narrative	YES	NO	NO	YES

1 Water Quality Objective or Narrative Interpretation Limit

2 Water Quality Objective Basis: *BP* = Central Valley Basin Plan; *BPA* = Basin Plan Amendment; *CTR* = California Toxics Rule; *Narrative* = unadopted limits used to interpret Basin Plan narrative objectives by the Central Valley Regional Board.

3 California 1° MCL

4 California recommended 2° MCL

5 UN Agricultural Supply Goal (Ayers and Westcott 1985)

6 Management Plan currently under development