

From: Rachel West <rwest@mlj-llc.com>
To: Jelena Hartman <jhartman@waterboards.ca.gov>
CC: Chris Jimmerson <cjimmerson@waterboards.ca.gov>, Francisca Johnson <fjohnson@mlj-llc.com>, Lara Reising <ltreising@gmail.com>, Melissa Turner <mturner@mlj-llc.com>, Michael Johnson <mjohnson@mlj-llc.com>, Michael Niemi <mjniemi@tid.org>, Parry Klassen <pklassen@unwiredbb.com>, Rachel West <rwest@mlj-llc.com>, Susan Fregien <sfregien@waterboards.ca.gov>
Date: 5/11/2012 9:01 AM
Subject: ESJWQC Field Exceedance Report-May 2012
Attachments: ESJ_SJR_OPTMDL_FieldResults_Discharge_050912.xls; ESJWQC_Site_pictures_050912_Compressed.pdf

Dear Jelena,

As required in the Monitoring and Reporting Program (Order No. R5-2008-0005) for Coalition Groups, an Exceedance Report is being submitted to address the following issues: a) the exceedances, b) the follow-up monitoring, and c) any analysis or other actions the Coalition Group may take to address the exceedances.

a.) On May 9, 2012 Normal Monitoring (NM) and Management Plan Monitoring (MPM) occurred at sites in the ESJWQC region. This was considered the first irrigation event of 2012. The second Total Maximum Daily Load (TMDL) monitoring event also occurred at the three compliance sites on the San Joaquin River. Field parameters were measured during this sampling event and all sites were sampled as contiguous waterbodies. During this monitoring event there were two dry sites (Berenda Slough @ Ave 18 ½ and Deadman Creek @ Hwy 59). There were no exceedances of receiving water limitations at sites sampled for chlorpyrifos and diazinon TMDL monitoring. Exceedances of receiving water limitations for pH and specific conductance (SC) occurred at ESJWQC NM and MPM sites. See attached Table 1 for details of field water quality trigger limit exceedances as well as the calculated discharge from each site. Site pictures taken from each of the monitoring sites during this event are also attached to this email as a pdf. Scanned copies of the field sheets are available upon request.

b.) Field parameters are scheduled to be measured again at monitoring sites in the ESJWQC region and the chlorpyrifos and diazinon TMDL monitoring locations on June 12, 2012.

c.) Exceedances in pH occur occasionally and intermittently in the Coalition region and are difficult to source. The high pH exceedances experienced during this monitoring event may be due to natural conditions of the waterbodies, among other possible sources. Measurements of SC are consistently high at some sites in the ESJWQC region. Potential sources of salts and metals (detected in the field as conductivity) include upstream surface water, ground water or drain water from irrigated agricultural lands. All new exceedances requiring Management Plans as well as Management Plan Monitoring results will be evaluated in the ESJWQC annual Management Plan Update Report due April 1, 2013.

Mike Johnson

Thanks,

~~~~~  
Rachel C. West  
Environmental Scientist  
Michael L. Johnson LLC  
632 Cantrill Drive

Davis, CA 95618

Tel: 530-756-5200  
 Fax: 530-756-5225  
 rwest@mlj-llc.com

| Station Name                                   | Station Code | Sample Date | Collection Time | Group                                   | Discharge, cfs | pH | SC, 700 µS/cm | Comments                                                                                                  |
|------------------------------------------------|--------------|-------------|-----------------|-----------------------------------------|----------------|----|---------------|-----------------------------------------------------------------------------------------------------------|
| Bear Creek @ Kibby Rd                          | 535XBCAKR    | 5/9/2012    | 10:20           | Irrigation1, Management Plan Monitoring | NA             | 9  |               | May Management Plan Monitoring for chlorpyrifos and Ceriodaphnia toxicity. Too deep to measure discharge. |
| Berenda Slough along Ave 18 1/2                | 545XBAAE     | 5/9/2012    | 9:05            | Irrigation1                             | NA             |    |               | Dry site, no samples collected.                                                                           |
| Deadman Creek @ Hwy 59                         | 535DMCAHF    | 5/9/2012    | 9:40            | Irrigation1                             | NA             |    |               | Dry site, no samples collected.                                                                           |
| Highline Canal @ Lombardy Rd                   | 535XHCALR    | 5/9/2012    | 13:00           | Irrigation1                             | NA             |    |               | Too deep to measure discharge.                                                                            |
| Levee Drain @ Carpenter Rd                     | 535XLDACR    | 5/9/2012    | 14:30           | Irrigation1                             | 0.72           |    | 1942          |                                                                                                           |
| McCoy Lateral @ Hwy 140                        | 535XMLAHO    | 5/9/2012    | 11:40           | Irrigation1                             | 4.54           |    |               |                                                                                                           |
| Rodden Creek @ Rodden Rd                       | 535XRCARD    | 5/9/2012    | 9:20            | Irrigation1                             | 2.75           |    |               |                                                                                                           |
| San Joaquin River above Maze Boulevard         | 541STCS10    | 5/9/2012    | 12:20           | Irrigation1                             | 2229           |    |               |                                                                                                           |
| San Joaquin River at Airport Way near Vernalis | 541SJC501    | 5/9/2012    | 11:40           | Irrigation1                             | 3190           |    |               |                                                                                                           |
| SJR @ Hills Ferry                              | 541STCS12    | 5/9/2012    | 13:30           | Irrigation1                             | 1320           |    |               |                                                                                                           |
| NA - Not applicable; see comments.             |              |             |                 |                                         |                |    |               |                                                                                                           |