

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 <lreising@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: 6/18/2012 7:26 AM
Subject: ESJWQC Feild Exceedance Report-June 2012
Attachments: ESJ_SJR_OPTMDL_FieldResults_Discharge_061212.xls; ESJWQC_Site_pictures_061212_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 June 12, 2012 Normal Monitoring (NM) occurred at sites in the ESJWQC region. This was considered the second irrigation event of 2012. The third Total Maximum Daily Load (TMDL) monitoring event also occurred at the three compliance sites on the San Joaquin River. Field parameters were measured, there were no dry sites and all sites were sampled as contiguous waterbodies during this sampling event. There was an exceedance of receiving water limitations for specific conductance (SC) at one of the sites sampled for chlorpyrifos and diazinon TMDL monitoring. Exceedances of receiving water limitations for DO (dissolved oxygen) and SC occurred at ESJWQC NM 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 July 10, 2012.

c.) DO exceedances are common in the Coalition region and may be due to low flow and/or high levels of biological oxygen demand in the test drains (this may not be the case for all samples). Sites sampled in previous events have also experienced frequent DO exceedances, particularly on clear, warm days when water temperatures, due to sun exposure, tend to be higher. 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,

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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 | DO, mg/L | SC, 700 µS/cm | Comments                                              |
|------------------------------------------------|--------------|-------------|-----------------|-------------|----------------|----------|---------------|-------------------------------------------------------|
| Berenda Slough along Ave 18 1/2                | 545XBSAAE    | 6/12/2012   | 12:00           | Irrigation2 | 0              |          |               | Discharge recorded as zero due to no measurable flow. |
| Deadman Creek @ Hwy 59                         | 535DMCAHF    | 6/12/2012   | 10:40           | Irrigation2 | 0              | 6.61     |               | Discharge recorded as zero due to no measurable flow. |
| Highline Canal @ Lombardy Rd                   | 535XHCALR    | 6/12/2012   | 8:20            | Irrigation2 | NA             |          |               | Too deep to measure discharge.                        |
| Levee Drain @ Carpenter Rd                     | 535XLDACR    | 6/12/2012   | 13:40           | Irrigation2 | 2.76           | 5.65     | 905           |                                                       |
| McCoy Lateral @ Hwy 140                        | 535XMLAHO    | 6/12/2012   | 9:20            | Irrigation2 | 16.44          |          |               |                                                       |
| Rodden Creek @ Rodden Rd                       | 535XRCARD    | 6/12/2012   | 9:00            | Irrigation2 | 3.46           | 6.97     |               |                                                       |
| San Joaquin River above Maze Boulevard         | 541STC510    | 6/12/2012   | 11:50           | Irrigation2 | 584            |          | 864           |                                                       |
| San Joaquin River at Airport Way near Vernalis | 541SJC501    | 6/12/2012   | 11:10           | Irrigation2 | 1310           |          |               |                                                       |
| SJR @ Hills Ferry                              | 541STC512    | 6/12/2012   | 13:10           | Irrigation2 | 481            |          |               |                                                       |
| NA - Not applicable; see comments.             |              |             |                 |             |                |          |               |                                                       |