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Date: 5/2/2012 11:06 AM
Subject: ESJWQC Sediment Toxicity Exceedance Report-March 2012
Attachments: ESJWQC_12_March_ER_Toxicity_Sediment_table_030612.doc

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.) Sediment samples were collected for Normal Monitoring (NM) and Management Plan Monitoring (MPM) in the ESJWQC region on March 6, 2012. During this event sediment was collected to test for toxicity to *Hyaella azteca* at Assessment Monitoring and MPM locations. Toxicity to *Hyaella azteca* occurred in samples collected from Levee Drain @ Carpenter Rd (NM); see attached Table 1 for details. Site pictures and flow data for all sites sampled during this event were provided to the CVRWQCB by email on March 12, 2012 and are also available on the MLJ-LLC Sharepoint Website <http://sharepoint.mlj-llc.com/MLJ-DB/database/forms/allitems.aspx>

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b.) Additional chemistry for the analysis of pyrethroids (bifenthrin, cyfluthrin, cypermethrin, deltamethrin/tralomethrin, esfenvalerate, lambda-cyhalothrin, permethrin, fenpropathrin) and chlorpyrifos will be performed on samples from Levee Drain @ Carpenter Rd because toxicity was less than 80% of the control. This is the first of two sediment sampling events that will be conducted by the Coalition in 2012.

c.) Actions taken to address toxicity are discussed in the ESJWQC Management Plan Update Report including schedules and rationale for MPM. Results from these analyses will be included in the Annual Monitoring Report (March 1, 2013) as well as the Management Plan Update Report (April 1, 2013). All new exceedances requiring management plans as well as MPM results will be evaluated in the ESJWQC Annual Management Plan Update Report due April 1, 2013.

Mike Johnson

Thanks,

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**Table 1.** Sediment toxicity in samples collected during Normal Monitoring (NM) and Management Plan Monitoring (MPM) on March 6, 2012 for ESJWQC receiving waters.

| Sample Site                | Sample Date | Sample Type | <i>Hyalella azteca</i>           |
|----------------------------|-------------|-------------|----------------------------------|
|                            |             |             | (% survival relative to control) |
| Levee Drain @ Carpenter Rd | 3/6/2012    | NM          | 26 <sup>†</sup>                  |

NM-Normal Monitoring

MPM-Management Plan Monitoring

<sup>†</sup> Samples with 80% or less survival compared to the control will be analyzed for pyrethroids and chlorpyrifos.