

From: [Rachel West](#)
To: [Hartman, Jelena@Waterboards](mailto:Hartman_Jelena@Waterboards)
Cc: [Melissa Turner](#); [Michael Johnson](#); [Michael Niemi](#); [Parry Klassen](#)
Subject: Re: ESJWOC Water Toxicity Exceedance Report-September 2012
Date: Wednesday, September 26, 2012 12:41:51 PM
Attachments: [Summary of Chronic Phase I Algae TIE-Highline Canal @ Lombardy 12-09f11.docx](#)

Hello Jelena,

We received the results from the TIE that was initiated on the Highline Canal @ Lombardy Rd toxic samples from the 9-11-12 sampling event. The results indicate that the sample lost all detectable toxicity prior to the initiation of the TIE. I attached the TIE summary table for you as well. Since Highline Canal @ Lombardy Rd is an Assessment Monitoring location this year, samples were collected for the full suite of constituents during this monitoring event. We will report any other exceedances from this event when we receive all of the chemistry data back from the labs. Please let me know if you have any other questions.

Thanks,
Rachel

On Tue, Sep 18, 2012 at 11:05 AM, Hartman, Jelena@Waterboards
<Jelena.Hartman@waterboards.ca.gov> wrote:

Dear Rachel,

Thank you for submitting the water toxicity exceedance report for the 11 September 2012 sampling event. Please keep me posted on the results of the TIE and the upcoming chemistry results that may shed light on the water toxicity to *Selenastrum* observed in the sample from Highline Canal @ Lombardy Rd.

Kind regards,

Jelena

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Jelena Hartman, PhD

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From: Rachel West [mailto:rwest@mlj-llc.com]
Sent: Tuesday, September 18, 2012 10:29 AM
To: Hartman, Jelena@Waterboards
Cc: Francisca Johnson; Lara Reising; Melissa Turner; Michael Johnson; Michael Niemi; Parry Klassen; Rachel West; Fregien, Susan@Waterboards
Subject: ESJWQC Water Toxicity Exceedance Report-September 2012

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 September 11, 2012, Normal Monitoring (NM) and Management Plan Monitoring (MPM) were conducted in the ESJWQC region. Water was collected for analysis of water column toxicity. Toxicity to *Selenastrum capricornutum* occurred in the grab sample collected from Highline Canal @ Lombardy Rd. See attached Table 1 for details on this exceedance. Site pictures and flow data for all sites sampled during this event were provided to the CVRWQCB by email on September 13, 2012, and are available on the MLJ-LLC sharepoint website (<http://sharepoint.mlj-llc.com/MLJ-DB/database/forms/allitems.aspx>, username: ftpuser@aqualab.mlj-llc.com, password: Aqua2011!).

b.) Highline Canal @ Lombardy Rd was monitored for Assessment Monitoring constituents during the September sampling event. Assessment Monitoring is scheduled to take place again at Highline Canal @ Lombardy Rd on October 9, 2012.

c.) Samples collected from this location have tested toxic to *Selenastrum capricornutum* prior to this event in August 2005, March 2006, February 2007, May 2008 and April 2011. Since algae growth was less than 50% compared to the control, a TIE is being initiated. When results from the chemistry laboratory arrive the Coalition will report any chemistry exceedances at that time. All new exceedances requiring management plans as well as MPM results will be evaluated in the ESJWQC Annual Management Plan Update Report to be submitted on April 1, 2013.

Mike Johnson

Thanks,

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Rachel C. West  
Environmental Scientist

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**Summary of Chronic Phase I Algae TIE
Highline Canal @ Lombardy Rd 9/11/12 Sample
(535XHCALR)**

<i>Treatment</i>	<i>Conc. (%)</i>	<i>Absorbance @ 750 nm</i>	<i>Cells/mL (x 10⁶)^a</i>	<i>Comments</i>
Baseline	Lab Control	0.0425	0.5208	No toxicity detected in baseline
	25	0.0650	0.8139	
	50	0.0615	0.7683	
	100	0.0995	1.2633	
C-8 SPE Column Treatment	Column Blank	0.0290	0.3450	
	25	0.0290	0.3450	
	50	0.0435	0.5338	
	100	0.1085	1.3805	
EDTA Treatment	EDTA Control	0.0685	0.8595	
	25	0.0600	0.7488	
	50	0.0800	1.0093	
	100	0.1250	1.5955	

Sample Date: 9/11/12

Test Date: 9/19/12

a Cell number x 10⁶ = 13.026 x absorbance @ 750 nm – 0.0328

Conclusion:

The initial toxicity test reduced algae growth (cells/mL) by 51%. However, the TIE baseline toxicity test did not detect toxicity, indicating the sample lost all detectable toxicity prior to initiation of the TIE.