

**From:** Rachel West <rwest@mlj-llc.com>  
**To:** Susan Fregien <sfregien@waterboards.ca.gov>  
**CC:** Michael Johnson <mjohnson@mlj-llc.com>, Melissa Turner <mturner@mlj-llc....>  
**Date:** 8/17/2011 11:22 AM  
**Subject:** Re: ESJWQC Water Toxicity Exceedance Report part1-August 2011

Hello Susan,

I looked at the reports from the previous toxicities to \*Ceriodaphnia dubia\* at Prairie Flower Drain. This is what I found:

* Date*	* %Survival*	*Comments*
3/16/06	75%	- Survival was greater than 50%, no TIE was initiated. Chemistry data from the lab did not indicate any exceedances of the WQTL or detections that could be associated with the toxicity.

* Date*	*%Survival*	*Comments*
9/11/07	0%	-TIE results indicated toxicity was due to 'a metabolically activated, non-polar organic' such as an organophosphate pesticide. An exceedance of the chlorpyrifos WQTL did occur on 8/28/07 and was most likely associated with the toxicity on 9/11/07.

I hope this is helpful. Please let me know if you need any further information.

Thanks,  
Rachel

On Wed, Aug 17, 2011 at 10:38 AM, Susan Fregien <sfregien@waterboards.ca.gov> wrote:

> Hi Rachel,  
>  
> Thank you for sending the August 2011 Toxicity Exceedance Report.  
> Do you know if the cause(s) of toxicity were determined in the 2006 and  
> 2007 toxic events?  
>  
> Thanks,  
>  
>  
> Susan Fregien, Senior Environmental Scientist  
> Monitoring and Implementation Unit  
> Irrigated Lands Regulatory Program  
> Central Valley Regional Water Quality Control Board  
> 11020 Sun Center Drive Suite 200  
> Rancho Cordova, CA 95670-6114  
>  
> phone: 916-464-4813  
> fax: 916-464-4780  
>  
> >>> Rachel West <rwest@mlj-llc.com> 8/16/2011 11:53 AM >>>  
> Dear Susan,  
>  
> 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 August 9, 2011, 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 \*Ceriodaphnia dubia\* occurred in the  
> grab sample collected from Prairie Flower Drain @ Crows Landing 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 August 11, 2011 and are also available on the MLJ-LLC Sharepoint  
> website (<http://sharepoint.mlj-llc.com/mlj-db/database/forms/allitems.aspx>  
> ).  
>  
> b.) Prairie Flower Drain @ Crows Landing Rd was monitored for all  
> Assessment  
> Monitoring constituents during the August sampling event. Assessment  
> Monitoring will take place again at this site on September 6, 2011.  
>  
> c.) Prairie Flower Drain @ Crows Landing Rd is currently in a Management  
> Plan for \*Ceriodaphnia dubia\* toxicity, samples have tested toxic to  
> \*Ceriodaphnia  
> \*in the past during March (3/16/2006) and September (9/11/2007). This is  
> the first time August samples have tested toxic to \*Ceriodaphnia \*at  
> Prairie  
> Flower Drain @ Crows Landing Rd. Since survival was less than 50% compared  
> to the control, a TIE was 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  
> Management Plan Monitoring results will be evaluated in the ESJWQC Annual  
> Management Plan Update Report to be submitted on April 1, 2012.  
>  
> Mike Johnson  
>  
> Thanks,  
> ~~~~~  
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> Environmental Scientist  
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