CETIS Test Evaluation Report

Facility:	Inland Empire Paper	**Test Name:**	Ceriodaphnia 7-day Survival and Reproduction Test
Sample Site:		**Organism:**	Ceriodaphnia dubia
Sample Code:	RMAR3901-3904	**Protocol:**	EPA/821/R-02-013 (2002)
Sample Date:	18 Aug-14 07:00	**Start Date:**	19 Aug-14 12:00
Sample Age:	29h (0.8 °C)	**End Date:**	26 Aug-14 08:10
Project:		**Duration:**	6d 20h **Organism Age:** <24h

Permitee:	Inland Empire Paper Co.	**Laboratory:**	CH2M Hill
Address:	3320 N. ARGONNE SPOKANE, WA 99212-2099	**Address:**	2300 NW Walnut Blvd. Corvallis, OR 97330
Contact:	RICK FINK	**Contact:**	Brett.Muckey, Bioassay Lab Manager
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Comments:

Chronic Toxicity Evaluation

Endpoint	Criteria	Conc-%	IWC	Decision	Method
7-day Survival	NOEL/LOEL	100/>100	8.3	Passes IWC	Fisher Exact/Bonferroni-Holm Test
Reproduction	NOEL/LOEL	100/>100	8.3	Passes IWC	Steel Many-One Rank Sum Test

Test Review Comments

This toxicity test is acceptable according to test review criteria. There were no significant deficiencies in sample handling, test performance, test organism response, or statistical analysis.

The sample tested was nontoxic to this test organism.

The value of WET test review is greatly diminished this long after the test was conducted.

Test Reviewer

Reviewer:	Randall Marshall, WET Coordinator
Phone:	360-407-6445, 360-407-6426(fax)
Email:	rmar461@ecy.wa.gov

Signature **Date**

7-day Survival Data Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	D	10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%
1.5		10	0.8000	0.6453	0.9547	0.0000	1.0000	0.1333	0.4216	52.70%	20.0%
3.4		10	0.9000	0.7840	1.0000	0.0000	1.0000	0.1000	0.3162	35.14%	10.0%
10		10	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.0000	0.00%	0.0%
28.3		10	0.9000	0.7840	1.0000	0.0000	1.0000	0.1000	0.3162	35.14%	10.0%
100		10	0.8000	0.6453	0.9547	0.0000	1.0000	0.1333	0.4216	52.70%	20.0%

Reproduction Data Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	D	10	28.9	26.81	30.99	20	37	1.804	5.705	19.74%	0.0%
1.5		10	14.2	10.61	17.79	0	27	3.094	9.784	68.90%	50.87%
3.4		10	26.7	22.63	30.77	0	38	3.512	11.11	41.60%	7.61%
10		10	21.1	19.95	22.25	14	24	0.9939	3.143	14.90%	26.99%
28.3		10	18.6	15.25	21.95	0	33	2.888	9.131	49.09%	35.64%
100		10	29.1	27.9	30.3	24	34	1.038	3.281	11.28%	-0.69%