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R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

February 1, 2013

RE: MONTHLY MONITORING REPORT

Dear Lisa:

Enclosed is the Monthly Monitoring Report for December 2012 for McKinleyville Community Services District Wastewater Management Facilities WDID NO. 1B82084OHUM, operating under Order Number WQ 2011-0008-DWQ.

The normal discharge of effluent was 31 days discharge to Discharge Location 001 Mad River. The required monitoring and water quality constituents that were tested and were reported were in compliance for December except for *C. dubia* Acute Toxicity.

The requirement for BOD is 45 mg/L, 604 lbs/day and 65% removal for the monthly average and a weekly average limit of 65 mg/L and 873 lbs/day. With four weekly tests in December, that constitutes seven criteria. The BOD results are in compliance.

The requirement for NFR is 83 mg/L, 1108 lbs/day and minimum of 65% removal for the monthly average. With four weekly tests in December, that constitutes three criteria. The NFR results are in compliance.

The requirement for Nitrate as Nitrogen in the effluent is a monthly average of 10 mg/L. One test was conducted in December and was in compliance.

Total Coliform Organisms MPN/100 ml., monthly Median not to exceed MPN of 23 and the daily maximum not to exceed MPN of 230. The reported results for the month of December are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected and were in compliance.

Acute Toxicity testing was conducted in December. The result for Rainbow Trout was 100% survival and the survival of *C. dubia* was 75, 85, 85%. The mortality rate of *C. dubia* in November triggered accelerated testing in December. Two accelerated tests were conducted and were both 85% survival and subsequent monthly test was conducted with a survival of 75%. In affect the monthly median was 85%. MCSD is in communication with Region 1 staff to rectify the situation.

Monthly River Monitoring R-001 and 002 was conducted in December.

Semiannual Pollutants of Concern were tested in December.

DECEMBER 2012[illegible]

YEAR: 2012

MONTHLY TESTS			
DATE	TDS	AMMONIA	NITRATE
12/20/2012	240	31.0	ND
			BORON
			210

Semi-Annual Tests	Value in ug/l
Bis phthalate	ND
aliph-BHC	ND
4,4'-DDT	ND
carbon tetrachloride	ND

Quarterly Tests	Value in µg/l
Dichlorobromomethane	ND
Bromoform	ND
Chlorodibromomethane	ND
Chloroform	ND

SIGNATURE

REMARKS:

30 DAY AVERAGE		45	413	83	32	296	87
ACUTE TOXICITY							
DATE	% SURVIVAL						
12/11/2012	100%						
Median	85%						
CHRONIC TOXICITY							
TESTED	SURVIVAL						
Milnov	N/A						

TESTED	SURVIVAL
Minnow	N/A
C. Dubia	N/A
Algae	N/A
	TUC

Total Coliform	
Monthly	
MEDIAN	
<1.8	
Daily	
Maximum	
<1.8	