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

March 28, 2012

RE: MONTHLY MONITORING REPORT

Dear Lisa:

Enclosed is the Monthly Monitoring Report for February 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 29 days discharge to M-002 Mad River. The required monitoring and water quality constituents that were tested and were reported were in compliance in February.

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 February, that constitutes seven criteria. The BOD results for February are in compliance.

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

Total Coliform Organisms MPN/100 ml. The 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 February are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of February and were in compliance.

Monthly River Monitoring was conducted in February.

Acute Toxicity testing was conducted in February. The result for Rainbow Trout was 100% and the survival of *C. dubia* was 80% for a median of 90%.

Chronic Toxicity testing was conducted in January and there were issues with the Algae test. The Regional Board was contacted and Lisa Bernard authorized a retest of the Algae, it was conducted in February and results were 1TUc.

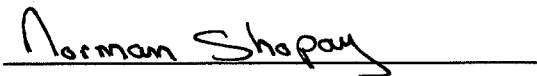
Annual California Toxic Rule/ semiannual Constituents of Concern testing was completed in February and the lab results are enclosed.

EXHIBITS:

- A. January 2011 Wastewater Management Facilities spreadsheet with the daily, weekly, monthly, and quarterly monitoring records for monitoring location M-001.
- B. Disposal Flows and Location Data Sheet.
- C. River CFS and Discharge Dilution work sheet
- D. BOD and TSS work sheet.
- E. River Monitoring work Sheet for R-001 and R-002
- F. Acute Toxicity lab report
- G. Chronic Toxicity lab report follow up for Algae
- H. Semi Annual Pollutants of Concern/ Annual CTR

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED, IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

If you have any questions, please contact this office.

A handwritten signature in black ink, reading "Norman Shopay", is written over a horizontal line.

NORMAN SHOPAY, GENERAL MANAGER

ENCLOSURES

FILE

**MCKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA**

MONTH: FEBRUARY

YEAR: 2012

DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING		pH	(°C) TEMP	B.O.D. mg/L	NFR mg/L	AMMONIA	CL ₂ RES.	RIVER CL ₂ RES	SETTLABLE SOLIDS	TOTAL COLIFORM
					B.O.D. mg/L	N.F.R. mg/L											
1	1.196	1.415	598	1560					7.2	12.1			28	2.6	0.00		3X5
2	1.144	1.220	572	1470					7.2	11.4			28	0.2	0.00		
3	1.098	1.090	549	1240	290	290			7.3	10.4	25	35	34	6.3	0.00	<0.1	
4	1.152	1.251	576	1120					7.3	10.8				1.2	0.00		
5	1.196	1.313	598	1020					7.4	11.5			30	0.5	0.00		
6	1.102	1.255	551	940					6.9	12				6.7	0.00		<1.8
7	1.092	1.255	546	876					6.9	12.2			28	1.5	0.00		
8	1.106	1.232	553	905					7.4	11.5			28	2.7	0.00		
9	1.094	1.062	547	837					7.1	12.0			24	2.0	0.00		
10	1.016	1.041	784	800	270	250			7.3	12.1	48	47	28	0.1	0.00	<0.1	
11	1.078	1.105	814	876					7.1	11.9				0.1	0.00		
12	1.137	1.089	770	876					7	11.9			28	0.2	0.00		
13	1.178	1.061	747	3060					7.1	11.4			32	2.7	0.00	<1.8	
14	1.091	1.127	853	2050					6.8	10.8			24	1.0	0.00		
15	1.091	1.223	850	1530					7.2	9.8			28	1.8	0.00		
16	1.064	1.220	855	1400					6.7	9.4			28	1.8	0.00		
17	1.018	1.190	850	1260	280	300			7.1	10.9	47	44	28	1.4	0.00	<0.1	
18	1.089	1.018	734	1300					6.8	10.4				2.9	0.00		
19	1.061	0.970	685	1160					6.8	9.8				3.2	0.00		
20	1.055	0.961	680	1060					7.1	10.8			26	1.8	0.00		
21	0.994	0.962	679	1040					7.4	11.5			30	1.1	0.00	<1.8	
22	0.993	0.935	687	1010					7.0	12.2			20	1.6	0.00		
23	0.953	0.863	636	965					7.1	11.6			36	2.8	0.00		
24	0.961	0.865	612	885	260	220			7.0	11.8	28	31	26	3.0	0.00	<0.1	
25	0.998	0.888	625	923					6.8	10.5			36	2.7	0.00		
26	1.068	0.878	618	931					6.8	9.5			34	3.4	0.00	<1.8	
27	1.008	0.873	615	856					7	9.5			32	1.9	0.00		
28	1.011	0.903	706	791					6.8	10.2			32	5.2	0.00		
29	1.055	0.938	715	1700					6.8	9.6					0.00		

MONTHLY TESTS			
DATE	TDS	AMMONIA	NITRATE
2/14/2012	260	18.0	ND
			BORON
			200

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

Quarterly Tests		Value in ug/l
Dichlorobromomethane		N/A
Bromodim		N/A
Chlorobromomethane		N/A
Chlorodim		N/A

30 DAY AVERAGE

SPILLS:			
None to report			
BOD	BOD	BOD	NFR
mg/L	LB/DAY	% Removal	LB/DAY
37	328	87	347
			% Removal
			85

ACUTE TOXICITY	
DATE	% Survival
2/7/2012	100%
2/7/2012	80%
Median	90%

Rainbow Trout
C. dubia

Indicates Permit Exceedance

CHRONIC TOXICITY	
TESTED	SURVIVAL
Minnow	N/A
C. Dubia	N/A
Algae	1
	TLC

SIGNATURE: 

REMARKS:

Total Coliform	
Monthly	Median
<1.8	
Daily	
Maximum	
<1.8	