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

April 30, 2013

RE: MONTHLY MONITORING REPORT

Dear Lisa:

Enclosed is the Monthly Monitoring Report for March 2013 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 30 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 March.

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 five weekly tests in March, 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 five weekly tests in March, 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 March 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 March 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 March. The result for Rainbow Trout was 100% survival and the survival of C. dubia was 0%. 3/5/2013 sample had a 100% failure of C dubia. Our permit requires accelerated testing if any test is below 70%. Accelerated testing was performed on 3/19/2013. Test 1 of 2 was collected and sent to the lab. The result of Test 1 Laboratory Control failed to meet TAC. On 3/19/2013 we collected and sent the second Test 1 of 2 for accelerated testing. That test resulted in an 85% survival in the effluent and a 95% in the control resulting in a Toxic unit of ≤ 1 . Test 2 of 2 of the accelerated testing was sent on 3/26/2013 which resulted in a 100% survival. Our median was calculated to be a 90% for three March tests.

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

March 2013

[illegible]

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

MONTH: DECEMBER

YEAR: 2013

DATE	INFLUENT FLOW		EFFLUENT FLOW		EFFLUENT MAXIMUM		RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING							3X5 TOTAL	
	M.G.D.	M.G.D.	M.G.D.	GPM	B.O.D. mg/L	N.F.R. mg/L		PH	(C°) TEMP	B.O.D. mg/L	NFR mg/L	AMMONIA	CL ₂ RES.	RIVER CL ₂ RES	SETTLABLE SOLIDS	COLIFORM		
1	0.940		1.077	754	795	290	380	6.8	11.4	27	33	30	0.2	0.00	<0.1			
2	0.994		1.079	756	648			6.8	12.0				0.1	0.00				
3	1.041		1.082	759	615			6.7	11.5				0.3	0.00				
4	0.960		1.084	761	584			6.8	10.9			30	1.3	0.00		<1.8		
5	0.965		1.080	759	549			7	10.7			38	2	0.00				
6	1.166		1.063	765	1300			6.9	10.4			34	4.6	0.00				
7	1.052		1.059	750	2380			7.0	10.5			34	4.4	0.00				
8	1.014		1.060	748	1680	170	92	7.2	10.6	25	24	32	3.5	0.00				
9	1.041		1.059	754	1370			7.1	10.7				2.8	0.00	<0.1			
10	1.073		1.058	750	1170			7.7	10.7				1.7	0.00				
11	1.011		0.653	744	1110			7.0	10.7			36	1.0	0.00		<1.8		
12	0.993		0.001	418	1200									0.00				
13	0.984		0.664	768	1130			7	11			34	0.2	0.00				
14	0.980		1.085	764	1030			6.8	12.3			28	2.2	0.00				
15	0.923		1.083	768	936	250	240	6.9	11.4	27	13	34	1.8	0.00	<0.1			
16	0.985		1.194	880	840			7.1	11.9				1.2	0.00				
17	1.035		1.264	887	770			6.8	12.5				0.5	0.00				
18	0.971		1.270	891	704			6.8	11.3			36	1.3	0.00		<1.8		
19	0.932		1.267	886	653			6.8	11.8			36	1.4	0.00				
20	0.998		1.262	886	664			6.8	12.2			36	1.4	0.00				
21	0.967		1.162	892	1090			6.9	11.9			36	0.8	0.00				
22	0.954		1.017	719	802	210	140	6.8	11.3	18	17	36	2.9	0.00	<0.1			
23	0.993		1.023	726	795			6.9	11.4				3.8	0.00				
24	1.052		1.022	725	740			6.9	11.5				2.9	0.00				
25	0.989		1.020	723	698			7.0	11.0			36	2.4	0.00		<1.8		
26	0.987		1.014	717	681			7	11.7			34	2.3	0.00				
27	0.976		1.005	710	687			7	12.6			32	1.4	0.00				
28	0.949		0.997	704	610			7.0	13.1			30	1.1	0.00				
29	0.938		1.048	799	579	260	230	6.9	13.0	20	16	32	1.9	0.00	<0.1			
30	0.968		1.142	801	559			6.8	13.1				0.8	0.00				
31	1.002		1.139	799	544			6.7	13.4				1.0	0.00				

SPILLS:

None to report

DATE	MONTHLY TESTS		
	TDS	AMMONIA	NITRATE
3/6/2013	200	31.0	ND

Semi-Annual Tests		Value in ug/l
Bis phthalate		N/A
alpha-BHC		N/A
4,4'-DDT		N/A
carbon tetrachloride		N/A

Quarterly Tests		Value in ug/l
Dichlorobromomethane		N/A
Bromodorm		N/A
Chlorodibromomethane		N/A
Chlorodorm		N/A

30 DAY AVERAGE							
BOD	BOD	BOD	BOD	BOD	BOD	BOD	BOD
mg/L	LBS/DAY	% Removal	mg/L	LBS/DAY	% Removal	mg/L	LBS/DAY
23	207	90	21	182	88	21	182

ACUTE TOXICITY

DATE	% Survival
3/5/2013	100%
3/5/2013	0%

CHRONIC TOXICITY

TESTED	SURVIVAL
Mintnow	N/A
C. Dubia	N/A
Algae	N/A
	TUc

Total Coliform	Monthly	Median	<1.8
Daily	Maximum		<1.8

SIGNATURE:

Jamie Henry

REMARKS: Accelerated testing was performed with the following results: 0%, 85%, 100%.
Indicates Permit Exceedance