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

December 20, 2013

RE: MONTHLY MONITORING REPORT

Dear Lisa:

Enclosed is the Monthly Monitoring Report for November 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 reclamation M-004, 5, & 7 and land disposal M-003. The required monitoring and water quality constituents that were tested and reported were in compliance in November.

The requirement for BOD is 45 mg/L monthly average and 65 % removal for the weekly average with five weekly tests in November that represent six criteria. The BOD results for November are in compliance.

The requirement for TSS is 83 mg/L monthly average with five weekly tests in November which represent one criteria. The TSS results for November 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 November 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 November are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of November and were in compliance.

Monthly River Monitoring was conducted in November.

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL

NOVEMBER 2013

Discharge Monitoring	M-INF	M-001		002 M-003	002 M-003	004 M-005	003 M-004	006 M-007	005 M-006		001 M-002	
	DATE	INFLUENT MGD	EFFLUENT MGD	MAXIMUM GPM	N.POND MGD	S.POND MGD	FISCHER MGD UPPER	FISCHER MGD LOWER	PIALORSI MGD	HILLER MGD	IRRGATE TOTAL MGD	RIVER MGD
1	0.801	1.078	1261		0.235	0.540	0.145	0.158		0.843	0.000	
2	0.860	0.424	301		0.424					0.000	0.000	
3	0.915	0.430	310		0.430					0.000	0.000	
4	0.866	1.177	1332		0.167	0.637	0.157	0.216		1.010	0.000	
5	0.802	1.509	1349			0.988	0.175	0.346		1.509	0.000	
6	0.819	1.420	1343			0.975	0.101	0.344		1.420	0.000	
7	0.822	1.149	1078			0.703	0.099	0.347		1.149	0.000	
8	0.806	0.859	1033		0.324	0.347	0.029	0.159		0.535	0.000	
9	0.843	0.579	416		0.579					0.000	0.000	
10	0.870	0.578	410		0.578					0.000	0.000	
11	0.888	0.574	409		0.574					0.000	0.000	
12	0.836	0.216	466		0.190	0.026				0.026	0.000	
13	0.827	0.645	1395			0.445	0.070	0.130		0.645	0.000	
14	0.809	1.207	940			0.786	0.070	0.351		1.207	0.000	
15	0.800	0.858	790		0.332	0.359		0.167		0.526	0.000	
16	0.863	0.626	442		0.626					0.000	0.000	
17	0.909	0.636	453		0.636					0.000	0.000	
18	0.834	1.113	1021		0.245	0.652		0.216		0.868	0.000	
19	0.837	1.503	1188			1.150		0.353		1.503	0.000	
20	0.847	1.508	1190			1.148		0.360		1.508	0.000	
21	0.834	1.527	1205			1.169		0.358		1.527	0.000	
22	0.807	1.051	1033		0.340	0.545		0.166		0.711	0.000	
23	0.861	0.641	453		0.641					0.000	0.000	
24	0.873	0.644	455		0.644					0.000	0.000	
25	0.834	1.254	1268		0.246	0.788		0.220		1.008	0.000	
26	0.817	1.599	1257			1.237		0.362		1.599	0.000	
27	0.838	1.101	1243		0.368	0.571		0.162		0.733	0.000	
28	0.849	0.668	472		0.668					0.000	0.000	
29	0.782	0.667	471		0.667					0.000	0.000	
30	0.811	0.666	471		0.666					0.000	0.000	
31										0.000	0.000	
TOTAL	25.160	27.907		0.000	9.580	13.066	0.846	4.415	0.000	18.327	0.000	
AVERAGE	0.839	0.930	849	0.000	0.456	0.726	0.106	0.260	0.000	0.591	0.000	
MAXIMUM	0.915	1.599	1395	0.000	0.668	1.237	0.175	0.362	0.000	1.599	0.000	
MINIMUM	0.782	0.216	301	0.000	0.167	0.026	0.029	0.130	0.000	0.000	0.000	
DAYS	30	30		0	21	18	8	17	0	30	0	
DAYS WITH NO DISCHARGE = 0												

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

MONTH: NOVEMBER

YEAR: 2013

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	3X5 TOTAL COLIFORM
					B.O.D. mg/L	N.F.R. mg/L											
1	0.801	1.078	1261		280	240			6.9	11.9	25	12	38	3.8		<0.1	
2	0.880	0.424	301														
3	0.915	0.430	310						6.9	12.3			30	8.4			<1.8
4	0.866	1.177	1332						7.1	12.2			34	5.8			
5	0.802	1.509	1349						7.1	12.3			36	4.1			
6	0.819	1.420	1343						7.0	12.7			30	3.4			
7	0.822	1.149	1078						7.1	12.7	21	21	34	2.5		<0.1	
8	0.806	0.859	1033		270	240											
9	0.843	0.579	416														
10	0.870	0.578	410														
11	0.888	0.574	409														
12	0.836	0.216	466						7.1	13.4			36	3.2			<1.8
13	0.827	0.645	1395						6.8	13.7			30	2.9			
14	0.809	1.207	940						6.9	12.8			34	0.2			
15	0.800	0.858	790		260	170			6.9	12.2	15	15	34	8.0		<0.1	
16	0.863	0.626	442														
17	0.909	0.636	453														
18	0.834	1.113	1021						7.0	12.6			32	7.9			<1.8
19	0.837	1.503	1188						6.9	12.3			36	1.5			
20	0.847	1.508	1190						6.9	12.4			36	1.7			
21	0.834	1.527	1205						7.0	12.0			36	2.7			
22	0.807	1.051	1033		290	230			7.1	11.5	22	18	36	6.6		<0.1	
23	0.861	0.641	453														
24	0.873	0.644	455														
25	0.834	1.254	1268						6.9	10.7			32	8.2			<1.8
26	0.817	1.599	1257						7.1	10.8			30	9.9			
27	0.838	1.101	1243		330	280			7.1	10.7	29	20	34	6.1		<0.1	
28	0.849	0.668	472														
29	0.782	0.667	471														
30	0.811	0.666	471														
31																	

MONTHLY TESTS			
DATE	TDS	AMMONIA	NITRATE
11/30/2013	320	29.0	ND
			BORON
			320

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

Quarterly Tests		Value in ug/l
Dichlorobromomethane		N/A
Bromoform		N/A
Chlorodibromomethane		N/A
Chloroform		N/A

30 DAY AVERAGE

DATE	BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
22		167	92	17	127	92

SPILLS:

None to report

ACUTE TOXICITY		% Survival
DATE		N/A
Rainbow Trout		N/A
C. dubia		N/A

Indicates Permit Exceedance

CHRONIC TOXICITY		% Survival
TESTED		N/A
Minnow		N/A
C. Dubia		N/A
Algae		N/A

TUC

Total Coliform	Monthly	Daily	Maximum
<1.8	<1.8	<1.8	<1.8

SIGNATURE:

James Henry

REMARKS: