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

August 26, 2014

RE: MONTHLY MONITORING REPORT

Dear Lisa:

Enclosed is the Monthly Monitoring Report for July 2014 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 July 2014

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

The requirement for TSS is 83 mg/L monthly average with four weekly tests in July which represent one criteria. The TSS results for July 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 July 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 July are as follows. Median was <1.8 and a Maximum of 130. Four samples were collected in the month of July and were in compliance.

Monthly River Monitoring was conducted in July.

Quarterly testing, including well samples, was conducted in July.

Biosolids removal in Pond 1A regarding the WWMF Upgrade Project is in process and is approximately 40% completed.

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY EFFLUENT DISCHARGE DISPOSAL

JULY 2014

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	0.783	0.798	750			0.659		0.139		0.798	0.000	
2	0.769	0.878	752			0.608		0.270		0.878	0.000	
3	0.754	0.812	745		0.330	0.330		0.152		0.482	0.000	
4	0.731	0.595	423		0.595					0.000	0.000	
5	0.734	0.588	417		0.588					0.000	0.000	
6	0.802	0.581	410		0.581					0.000	0.000	
7	0.792	0.701	767		0.221	0.332		0.148		0.480	0.000	
8	0.766	0.933	949			0.633	0.024	0.276		0.933	0.000	
9	0.783	0.969	979			0.673	0.042	0.254		0.969	0.000	
10	0.755	0.960	987			0.634	0.047	0.279		0.960	0.000	
11	0.749	0.888	1088		0.321	0.371	0.030	0.166		0.567	0.000	
12	0.768	0.581	412		0.581					0.000	0.000	
13	0.813	0.577	408		0.577					0.000	0.000	
14	0.786	0.218	407		0.218					0.000	0.000	
15	0.780	0.000	0	Washed CCB						0.000	0.000	
16	0.762	0.644	2220			0.443	0.043	0.158		0.644	0.000	
17	0.763	0.937	1306			0.729	0.039	0.169		0.937	0.000	
18	0.761	0.700	1068		0.305	0.359	0.036			0.395	0.000	
19	0.762	0.553	391		0.553					0.000	0.000	
20	0.793	0.548	386		0.548					0.000	0.000	
21	0.779	0.597	906		0.208	0.253	0.092	0.044		0.389	0.000	
22	0.761	0.676	977			0.458	0.106	0.112		0.676	0.000	
23	0.771	0.887	1084			0.533	0.198	0.156		0.887	0.000	
24	0.775	1.118	1082			0.911	0.207			1.118	0.000	
25	0.767	0.819	933		0.268	0.419	0.132			0.551	0.000	
26	0.753	0.485	343		0.485					0.000	0.000	
27	0.805	0.480	341		0.480					0.000	0.000	
28	0.793	0.706	1238		0.189	0.246	0.126	0.145		0.517	0.000	
29	0.762	0.772	1254			0.348	0.141	0.283		0.772	0.000	
30	0.785	0.681	1339			0.288	0.139	0.254		0.681	0.000	
31	0.758	0.663	1296			0.273	0.128	0.262		0.663	0.000	
TOTAL	23.915	21.345		0.000	7.048	9.500	1.530	3.267	0.000	14.297	0.000	
AVERAGE	0.771	0.689	828	0.000	0.392	0.475	0.096	0.192	0.000	0.461	0.000	
MAXIMUM	0.813	1.118	2220	0.000	0.595	0.911	0.207	0.283	0.000	1.118	0.000	
MINIMUM	0.731	0.000	0	0.000	0.000	0.246	0.024	0.044	0.000	0.000	0.000	
DAYS	31	30		0	17	20	16	17	0	20	0	
DAYS WITH NO DISCHARGE = 1												

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

MONTH: JULY

YEAR: 2014

DATE	INFLUENT FLOW/ M.G.D.		EFFLUENT FLOW/ M.G.D.		EFFLUENT MAXIMUM GPM		RIVER CFS		INFLUENT MONITORING			EFFLUENT MONITORING						3X5 TOTAL COLIFORM	
	FLOW/ M.G.D.	MAXIMUM GPM	FLOW/ M.G.D.	MAXIMUM GPM	B.O.D. mg/L	N.F.R. mg/L			pH	(C°) TEMP	B.O.D. mg/L	NFR mg/L	AMMONIA	CL₂ RES.	RIVER CL₂ RES	SETTLABLE SOLIDS			
1	0.783	750	0.798	750					6.7	18.3			38	1.9					
2	0.769	752	0.878	752	350	240			6.7	18.6	20	7.6	36	1.4					
3	0.754	745	0.812	745					6.7	18.9			38	2.0		<0.1			
4	0.731	423	0.595	423															
5	0.734	417	0.588	417															
6	0.802	410	0.581	410															
7	0.792	767	0.701	767															
8	0.766	949	0.933	949					6.7	19.1			36	1.4			<1.8		
9	0.783	979	0.969	979					6.6	18.7			36	1.6					
10	0.755	987	0.960	987					6.6	19.2			36	1.3					
11	0.749	1088	0.888	1088					6.6	19.1			32	1.5					
12	0.768	412	0.581	412	360	360			6.7	19.4	15	11	36	1.9		<0.1			
13	0.813	408	0.577	408															
14	0.786	407	0.218	407					6.8	18.7			38	3.0			<1.8		
15	0.780	0	0.000	0				Washed CCB											
16	0.762	2220	0.644	2220					6.6	19.2			36	11.0					
17	0.763	1306	0.937	1306					6.8	18.9			34	2.4					
18	0.761	1068	0.700	1068	360	380			6.7	19.1	13	9	34	6.6		<0.1			
19	0.762	391	0.553	391															
20	0.793	386	0.548	386															
21	0.779	906	0.597	906															
22	0.761	977	0.676	977															
23	0.771	1084	0.887	1084															
24	0.775	1082	1.118	1082													130.0		
25	0.767	933	0.819	933									32	4.0					
26	0.753	343	0.485	343									32	5.0					
27	0.805	341	0.480	341									36	4.9					
28	0.793	1238	0.706	1238									32	2.5					
29	0.762	1254	0.772	1254								12	32	6.3		<0.1			
30	0.785	1339	0.681	1339													<1.8		
31	0.758	1296	0.663	1296															

SPILLS:

None to report

DATE	MONTHLY TESTS			
	TDS	AMMONIA	NITRATE	BORON
7/31/2014	320	ND	N/A	320

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		DNQ
Bromoform		ND
Chlorodibromomethane		ND
Chloroform		2.14

30 DAY AVERAGE		BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
		15	101	96	11	72	97

ACUTE TOXICITY

DATE	% Survival
	N/A
	N/A
	N/A

Rainbow Trout
C. dubia

CHRONIC TOXICITY

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

Total Coliform

Monthly

MEDIAN

<1.8

Daily

Maximum

130

SIGNATURE: _____

REMARKS: Indicates Permit Exceedance