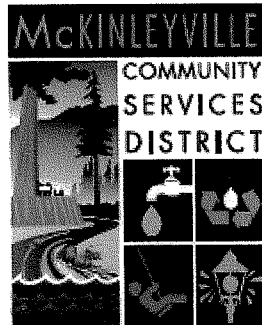


**PHYSICAL ADDRESS:**

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

November 19, 2013

**RE: MONTHLY MONITORING REPORT**

Dear Lisa:

Enclosed is the Monthly Monitoring Report for October 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 October.

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

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

Monthly River Monitoring was conducted in October.

Quarterly monitoring for W-001, 2, 6, 7, 8, 9, 14, 15 and 16 was conducted in October.

Quarterly monitoring for disinfection byproducts was conducted in October.

# McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY EFFLUENT DISCHARGE DISPOSAL

October 2013

Monitoring DATE	M-INF	M-001	002		002	004	003	006	005	001	
	INFLUENT	EFFLUENT	MAXIMUM	M-003	M-003	M-005	M-004	M-007	M-006	IRRGATE	M-002
	MGD	MGD	GPM	N.POND MGD	S.POND MGD	FISCHER MGD UPPER	FISCHER MGD LOWER	PIALORSI MGD	HILLER MGD	TOTAL MGD	RIVER MGD
1	0.842	1.282	1244			0.962	0.036	0.284		1.282	0.000
2	0.830	1.588	1527			1.267	0.035	0.286		1.588	0.000
3	0.827	1.435	1409			1.150		0.285		1.435	0.000
4	0.796	0.943	1078		0.378	0.383	0.024	0.158		0.565	0.000
5	0.828	0.686	484		0.686					0.000	0.000
6	0.881	0.686	483		0.686					0.000	0.000
7	0.831	0.256	488		0.256					0.000	0.000
8	0.818	0.000	0							0.000	0.000
9	0.813	0.955	1505			0.769	0.031	0.155		0.955	0.000
10	0.812	1.696	1510			1.367	0.039	0.290		1.696	0.000
11	0.797	1.226	1485		0.264	0.775	0.025	0.162		0.962	0.000
12	0.848	0.478	339		0.478					0.000	0.000
13	0.884	0.479	340		0.479					0.000	0.000
14	0.842	0.487	345		0.487					0.000	0.000
15	0.817	1.126	1506		0.186	0.683	0.092	0.165		0.940	0.000
16	0.814	1.797	1602			1.372	0.125	0.300		1.797	0.000
17	0.814	1.740	1570			1.620		0.120		1.740	0.000
18	0.802	1.278	1347		0.384	0.894				0.894	0.000
19	0.838	0.694	492		0.694					0.000	0.000
20	0.903	0.692	489		0.692					0.000	0.000
21	0.824	1.158	1421		0.264	0.701	0.032	0.161		0.894	0.000
22	0.832	1.742	1545			1.345	0.095	0.302		1.742	0.000
23	0.828	1.766	1594			1.342	0.120	0.304		1.766	0.000
24	0.826	1.379	1392			1.199		0.180		1.379	0.000
25	0.793	0.818	718		0.394	0.424				0.424	0.000
26	0.854	0.717	505		0.717					0.000	0.000
27	0.911	0.711	501		0.711					0.000	0.000
28	0.836	0.804	995		0.286	0.518				0.518	0.000
29	0.839	1.181	999			1.181				1.181	0.000
30	0.823	1.152	990			1.152				1.152	0.000
31	0.793	1.286	1251			1.161		0.125		1.286	0.000
TOTAL	25.796	32.238		0.000	8.042	20.265	0.654	3.277	0.000	24.196	0.000
AVERAGE	0.832	1.040	1005	0.000	0.473	1.013	0.059	0.218	0.000	0.781	0.000
MAXIMUM	0.911	1.797	1602	0.000	0.717	1.620	0.125	0.304	0.000	1.797	0.000
MINIMUM	0.793	0.000	0	0.000	0.186	0.383	0.024	0.120	0.000	0.000	0.000
DAYS	31	31		0	17	20	11	15	0	30	

**DAYS WITH NO DISCHARGE = 1**

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

MONTH: OCTOBER

YEAR: 2013

					EFFLUENT MONITORING										3X5 TOTAL COLIFORM		
DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING												SETTLABLE SOLIDS
					B.O.D. mg/L	N.F.R. mg/L	pH	TEMP (°C)	B.O.D. mg/L	NFR mg/L	AMMONIA	CL <sub>2</sub> RES.	CL <sub>2</sub> RES				
1	0.842	1.262	1244				7.0	16				34	0.6				
2	0.830	1.588	1527				6.8	16.2				34	3.7				
3	0.827	1.435	1409				6.9	16.1				30	4.1				
4	0.796	0.943	1078		220	210	7.0	16.4	18	14		30	6.6		<0.1		
5	0.828	0.666	484														
6	0.881	0.666	483														
7	0.831	0.256	488				7.0	15.6				34	6.0		<1.8		
8	0.818	0.000	0				Washed CCB										
9	0.813	0.955	1505				6.9	14.6				34	1.6				
10	0.812	1.696	1510				7.1	14.7				34	5.5				
11	0.797	1.226	1485		310	290	6.9	14.7	22	17		36	6.1		<0.1		
12	0.848	0.478	339														
13	0.884	0.479	340														
14	0.842	0.487	345														
15	0.817	1.126	1506				7.0	14.2				34	9.5		<1.8		
16	0.814	1.797	1602				7.0	14.0				34	6.4				
17	0.814	1.740	1570				7.0	13.4				36	1.4				
18	0.802	1.278	1347		220	280	6.8	13.4	16	11		38	2.9		<0.1		
19	0.838	0.694	492														
20	0.903	0.692	489														
21	0.824	1.158	1421				7.0	13.5				34	5.3		<1.8		
22	0.832	1.742	1545				7.1	13.5				34	2.4				
23	0.828	1.766	1594				7.1	14.1				36	1.8				
24	0.826	1.379	1392				7.1	13.4				36	2.8				
25	0.793	0.818	718		220	250	6.8	13.3	14	12		36	5.8		<0.1		
26	0.854	0.717	505														
27	0.911	0.711	501														
28	0.836	0.804	995				7.0	12.7				36	4.6		<1.8		
29	0.839	1.161	999				7.1	12.4				34	4.7				
30	0.823	1.152	990				7.0	12.7				32	3.4				
31	0.793	1.266	1251				7.2	12.4				32	3.7				

MONTHLY TESTS			
DATE	TDS	AMMONIA	NITRATE
10/3/2013	340	28.0	ND
			BORON
			330

Semi-Annual Tests		Value in ugi
Bis phthalate		N/A
aliph-BHC		N/A
4,4'-DDT		N/A
carbon tetrachloride		N/A

Quarterly Tests		Value in ugi
Dichlorobromomethane		DNG
Bromomethane		ND
Chlorobromomethane		ND
Chloroform		DNG

30 DAY AVERAGE

SPILLS:			
None to report			
BOD	BOD	BOD	NFR
mg/L	LBS/DAY	% Removal	LBS/DAY
18	158	93	14
			121
			95

ACUTE TOXICITY	
DATE	% Survival
	N/A
	N/A
	N/A

Indicates Permit Exceedance

CHRONIC TOXICITY	
TESTED	SURVIVAL
Mittow	N/A
C. Dubia	N/A
Algae	N/A
	TUC

SIGNATURE: James Henry

REMARKS:

Total Coliform	
Monthly	MEDIAN
	<1.8
Daily	Maximum
	<1.8