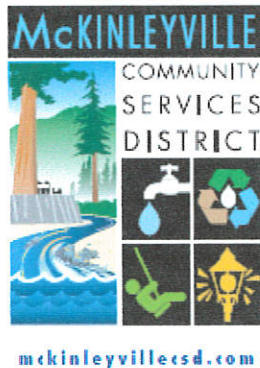


PHYSICAL ADDRESS:

1656 SUTTER ROAD
McKINLEYVILLE, CA 95519

MAILING ADDRESS:

P.O. BOX 2037
McKINLEYVILLE, CA 95519



MAIN OFFICE:

PHONE: (707) 839-3251
FAX: (707) 839-8456

PARKS & RECREATION OFFICE:

PHONE: (707) 839-9003
FAX: (707) 839-5964

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

January 27, 2014

RE: MONTHLY MONITORING REPORT

Dear Lisa:

Enclosed is the Monthly Monitoring Report for December 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, & 6 and land disposal M-003. The required monitoring and water quality constituents that were tested and reported were in compliance in December 2013.

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

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

Monthly River Monitoring was conducted in December.

Semiannual Pollutants of Concern were tested in December.

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL

December 2013

Discharge Monitoring				002	002	004	003	006	005	001	
	M-INF	M-001		M-003	M-003	M-005	M-004	M-007	M-006		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
1	0.885	0.665	469		0.665					0.000	0.000
2	0.843	1.030	917		0.267	0.641			0.122	0.763	0.000
3	0.824	1.314	925			1.108			0.206	1.314	0.000
4	0.842	1.121	929			0.916			0.205	1.121	0.000
5	0.826	0.958	679			0.748			0.210	0.958	0.000
6	0.831	0.881	699		0.452	0.334			0.095	0.429	0.000
7	0.879	0.835	591		0.835					0.000	0.000
8	0.922	0.828	590		0.828					0.000	0.000
9	0.865	0.321	596		0.150	0.171				0.171	0.000
10	0.801	0.000	0							0.000	0.000
11	0.837	0.786	1349			0.591	0.076		0.119	0.786	0.000
12	0.816	1.160	1101			0.884	0.070		0.206	1.160	0.000
13	0.799	0.884	1069		0.334	0.433	0.027		0.090	0.550	0.000
14	0.858	0.632	445		0.632					0.000	0.000
15	0.908	0.632	445		0.632					0.000	0.000
16	0.838	1.210	1470		0.240	0.788	0.060		0.122	0.970	0.000
17	0.825	1.725	1476			1.445	0.078		0.202	1.725	0.000
18	0.833	1.725	1478			1.434	0.080		0.211	1.725	0.000
19	0.845	1.577	1338			1.295	0.075		0.207	1.577	0.000
20	0.816	1.014	1292		0.510	0.388	0.024		0.092	0.504	0.000
21	0.854	0.932	654		0.932					0.000	0.000
22	0.866	0.928	652		0.928					0.000	0.000
23	0.828	1.135	1360		0.877	0.176	0.048		0.034	0.258	0.000
24	0.841	0.946	669		0.946					0.000	0.000
25	0.792	0.952	674		0.952					0.000	0.000
26	0.817	1.340	1356		0.364	0.771	0.079		0.126	0.976	0.000
27	0.784	1.049	1297		0.351	0.582	0.024		0.092	0.698	0.000
28	0.808	0.636	450		0.636					0.000	0.000
29	0.835	0.636	454		0.636					0.000	0.000
30	0.819	1.232	1370		0.238	0.782	0.084		0.128	0.994	0.000
31	0.813	0.850	887		0.415	0.367			0.068	0.435	0.000
TOTAL	25.950	29.934		0.000	12.820	13.854	0.725	0.000	2.535	17.114	0.000
AVERAGE	0.837	0.966	893	0.000	0.583	0.729	0.060	0.000	0.141	0.552	0.000
MAXIMUM	0.922	1.725	1478	0.000	0.952	1.445	0.084	0.000	0.211	1.725	0.000
MINIMUM	0.784	0.000	0	0.000	0.150	0.171	0.024	0.000	0.034	0.000	0.000
DAYS	31	31		0	22	19	12	0	18	18	0
DAYS WITH NO DISCHARGE = 1											

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

MONTH: DECEMBER

YEAR: 2013

					3X5									
INFLUENT FLOW M.G.D.		EFFLUENT FLOW M.G.D.		EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING						TOTAL COLIFORM
DATE						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.	
1	0.885	0.665	469			6.9	11.1			30	2.8			<1.8
2	0.843	1.030	917			7.2	10.7			32	1.8			
3	0.824	1.314	925			6.9	10.1			34	1.4			
4	0.842	1.121	929			7.1	9.8			36	3.3			
5	0.826	0.958	679			7.0	9.8	20	24	24	3.9			<0.1
6	0.831	0.881	699		290									
7	0.879	0.835	591											
8	0.922	0.828	590											
9	0.865	0.321	596			7.0	7.4			34	7.7			<1.8
10	0.801	0.000	0			Washed CCB								
11	0.837	0.786	1349			7.0	9.0			32	9.0			
12	0.816	1.160	1101			7.2	8.3			30	7.0			
13	0.799	0.884	1069		240	7.0	7.7	29	26	30	6.7			<0.1
14	0.858	0.632	445											
15	0.908	0.632	445											
16	0.838	1.210	1470			7.2	7.5			34	5.8			<1.8
17	0.825	1.725	1476			7.2	7.1			30	5.8			
18	0.833	1.725	1478			6.7	8.8			32	3.4			
19	0.845	1.577	1338			7.2	8.6			26	3.1			
20	0.816	1.014	1292		320	7.3	7.9	37	34	28	6.1			<0.1
21	0.854	0.932	654											
22	0.866	0.928	652											
23	0.828	1.135	1360			7.0	9.3			30	1.2			<1.8
24	0.841	0.946	669											
25	0.792	0.952	674											
26	0.817	1.340	1356			7.0	8.6			30	0.2			
27	0.784	1.049	1297		350	6.9	7.8	34	36	34	3.5			<0.1
28	0.808	0.636	450											
29	0.835	0.636	454											
30	0.819	1.232	1370			7.2	8.4			34	3.1			<1.8
31	0.813	0.850	887			7.0	8.7			32	0.8			

MONTHLY TESTS			
DATE	TDS	AMMONIA	NITRATE
12/31/2013	280	24.0	ND
			BORON
			310

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

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

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

Indicates Permit Exceedance

SIGNATURE: _____

REMARKS:

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

Total Coliform		Monthly MEDIAN
		<1.8
		Daily
		Maximum
		<1.8