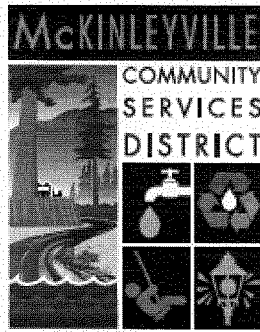


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R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

February 24, 2014

RE: MONTHLY MONITORING REPORT

Dear Charles:

Enclosed is the Monthly Monitoring Report for January 2015 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 31 days discharge to Monitoring Location M-002. The required monitoring and water quality constituents that were tested and reported were in compliance in January.

The requirement for BOD is 45 mg/L, 604 lbs/day and 65 % removal for the monthly average with four weekly tests in January that represent eleven criteria. The BOD results for January are in compliance.

The requirement for TSS is 83 mg/L, 1108 lbs/day and 65% removal for the monthly average with four weekly tests in January which represent three criteria. The TSS results for January 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 January 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 January are as follows. Median was <1.8 and a Maximum of <4.5. Four samples were collected in the month of January and were in compliance.

Monthly River Monitoring was conducted in January.

Acute testing for January was conducted using Rainbow Trout and C.Dubia. Rainbow Trout had a 100% survival and C.Dubia had a 90% survival. The 2 November follow up testing meeting the 14 day and 21 day deadline which are serving as a dual sample with the December testing have been sent to the lab. The 14 day sample came back with a C.Dubia survival of 85% and a Rainbow Trout survival of 100%. The 21 day sample results came back with a C.Dubia survival rate of 100%. Staff conducted a third sample for the November retest which came back at 90% survival. This satisfies the November retests and brings the District current. The District was just notified that Sierra Foothills Lab is discontinuing their Toxicity testing program, therefore we will be sending our samples to Pacific Ecorisk in the future.

WWMF Upgrade Status: Kennedy/Jenks has finished the final draft which we are expecting to show up next week. The District will review and send back comments. Pond 1A has been 99% drained.

Semi-annual Pollutants of Concern, Quarterly Disinfection Byproducts and the Annual CTR Pollutants were tested in January. Quarterly monitoring well sampling was also conducted in January.

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

MONTH: JANUARY

YEAR: 2015

INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING							SETTLABLE SOLIDS	3X5 TOTAL COLIFORM
				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		
1	1.062	1.871	1310	1090			7.6	10.4				1.9	0.00	
2	1.042	1.517	1302	979			7.6	9.8			30.0	2.1	0.00	<0.1
3	1.047	1.070	755	901			7.7	9.9				1.5	0.00	
4	1.089	1.066	918	840			7.4	10.2				2.9	0.00	
5	1.011	1.047	737	783			7.1	11.1			26.0	3.3	0.00	<1.8
6	0.977	1.045	738	746			7.3	9.7			32.0	2.8	0.00	
7	0.965	1.041	735	642			7.1	10.4			32.0	2.9	0.00	
8	0.948	1.041	735	594			7.1	10.7			32.0	2.8	0.00	
9	0.936	1.040	734	569	210	190	7.2	10.5	11	11	36.0	1.8	0.00	<0.1
10	0.974	1.039	731	534			7.1	12.0				1.0	0.00	
11	1.027	1.048	734	436			7.2	12.9				0.4	0.00	
12	0.953	0.510	730	383			6.8	12.9			32.0	0.6	0.00	4.5
13	0.926	0.150	1406	361			7.1	12.3			30.0	1.1	0.00	
14	0.926	0.572	658	343			7.1	11.3			28.0	1.0	0.00	
15	0.910	0.915	647	326			7.1	12.5			30.0	0.8	0.00	
16	0.950	1.013	816	376	310	290	7.2	11.7	13	14	36.0	2.2	0.00	<0.1
17	0.980	1.159	813	722			7.1	12.4				1.7	0.00	
18	1.247	1.138	806	2670			7.0	12.7				1.5	0.00	
19	1.144	1.137	807	2270			7.0	13.0			26.0	4.0	0.00	<1.8
20	1.038	1.147	817	1390			7.0	12.9			30.0	4.5	0.00	
21	1.011	1.145	821	1090			7.2	12.8			30.0	2.6	0.00	
22	0.981	1.136	802	994			7.1	12.1			30.0	2.2	0.00	
23	0.949	1.139	810	874	280	280	7.1	11.4	12	8.6	32.0	2.4	0.00	<0.1
24	1.002	1.139	802	795			7.1	11.8				2.6	0.00	
25	1.042	1.141	804	734			7.2	11.8			32.0	2.4	0.00	
26	0.982	1.143	804	687			7.0	12.4			28.0	2.0	0.00	<1.8
27	0.935	1.143	801	648			7.1	12.5			34.0	1.4	0.00	
28	0.928	1.141	803	554			6.9	11.8			32.0	1.2	0.00	
29	0.926	1.143	807	492			7.1	12.2			30.0	1.7	0.00	
30	0.896	1.137	807	411	260	200	6.9	12.0	13	5.8	30.0	1.3	0.00	<0.1
31	0.949	1.147	811	383			7.1	11.8				2.1	0.00	

SPILLS:

None to report

DATE	TDS	AMMONIA	NITRATE	BORON
1/31/2015	230	56.0	ND	210

MONTHLY TESTS

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

Quarterly Tests	Value in ug/l
Dichlorobromomethane	DNQ
Bromofom	ND
Chlorodibromomethane	ND
Chlorofom	0.64

30 DAY AVERAGE

BOD	BOD	BOD	N.F.R.	N.F.R.
mg/L	LBS/DAY	% Removal	mg/L	LBS/DAY
12	111	95	10	88
				96

ACUTE TOXICITY

DATE	% Survival
1/6/2015	100%
1/27/2015	90%

Rainbow Trout
C. dubia

CHRONIC TOXICITY

TESTED	SURVIVAL
Mitrow	13
C. Dubia	13
Algae	1
TUC	

SIGNATURE: _____

REMARKS: There was an exceedance on the Chronic Toxicity testing.

Total Coliform
Monthly
MEDIAN
<1.8
Daily
Maximum
4.5

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY EFFLUENT DISCHARGE DISPOSAL

JANUARY 2015

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	IRRIGATE TOTAL MGD	RIVER MGD
1	1.062	1.871	1310								0.000	1.871
2	1.042	1.517	1302								0.000	1.517
3	1.047	1.070	755								0.000	1.070
4	1.089	1.066	918								0.000	1.066
5	1.011	1.047	737								0.000	1.047
6	0.977	1.045	738								0.000	1.045
7	0.965	1.041	735								0.000	1.041
8	0.948	1.041	735								0.000	1.041
9	0.936	1.040	734								0.000	1.040
10	0.974	1.039	731								0.000	1.039
11	1.027	1.048	734								0.000	1.048
12	0.953	0.510	730								0.000	0.510
13	0.926	0.150	1406								0.000	0.150
14	0.926	0.572	658								0.000	0.572
15	0.910	0.915	647								0.000	0.915
16	0.950	1.013	816								0.000	1.013
17	0.980	1.159	813								0.000	1.159
18	1.247	1.138	806								0.000	1.138
19	1.144	1.137	807								0.000	1.137
20	1.038	1.147	817								0.000	1.147
21	1.011	1.145	821								0.000	1.145
22	0.981	1.136	802								0.000	1.136
23	0.949	1.139	810								0.000	1.139
24	1.002	1.139	802								0.000	1.139
25	1.042	1.141	804								0.000	1.141
26	0.982	1.143	804								0.000	1.143
27	0.935	1.143	801								0.000	1.143
28	0.928	1.141	803								0.000	1.141
29	0.926	1.143	807								0.000	1.143
30	0.896	1.137	807								0.000	1.137
31	0.949	1.147	811								0.000	1.147
TOTAL	30.753	33.120		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	33.120
AVERAGE	0.992	1.068	832	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.068
MAXIMUM	1.247	1.871	1406	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.871
MINIMUM	0.896	0.150	647	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.150
DAYS	31	31		0	0	0	0	0	0	0	0	31

DAYS WITH NO DISCHARGE = 0

MCKINLEYVILLE COMMUNITY SERVICES DISTRICT
 WASTEWATER MANAGEMENT FACILITY
 RIVER CFS - EFFLUENT FLOWS -

M-004

RIVER DILUTION

M-005

M-006

JANUARY 2015

DATE	M-INF INFLUENT MGD	M-001 EFFLUENT MGD	EFFLUENT MAXIMUM GPM	M-003 PERK PONDS MGD	M-007 IRRIGATE MGD	M-002 RIVER MGD	RIVER DILUTION 100:1	MAXIMUM G.P.M. DISCHARGE FOR 100:1	RIVER FLOW IN CFS	RIVER FLOW IN GPS
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1	1.062	1.871	1310			1.871	373	4893	1090	8154
2	1.042	1.517	1302			1.517	338	4394	979	7324
3	1.047	1.070	755			1.070	536	4044	901	6740
4	1.089	1.066	918			1.066	411	3770	840	6284
5	1.011	1.047	737			1.047	477	3515	783	5858
6	0.977	1.045	738			1.045	454	3348	746	5581
7	0.965	1.041	735			1.041	392	2882	642	4803
8	0.948	1.041	735			1.041	363	2666	594	4444
9	0.936	1.040	734			1.040	348	2554	569	4257
10	0.974	1.039	731			1.039	328	2397	534	3995
11	1.027	1.048	734			1.048	267	1957	436	3262
12	0.953	0.510	730			0.510	235	1719	383	2865
13	0.926	0.150	1406			0.150	115	1620	361	2701
14	0.926	0.572	658			0.572	234	1540	343	2566
15	0.910	0.915	647			0.915	226	1463	326	2439
16	0.950	1.013	816			1.013	207	1688	376	2813
17	0.980	1.159	813			1.159	399	3241	722	5401
18	1.247	1.138	806			1.138	1487	11985	2670	19974
19	1.144	1.137	807			1.137	1263	10189	2270	16982
20	1.038	1.147	817			1.147	764	6239	1390	10399
21	1.011	1.145	821			1.145	596	4893	1090	8154
22	0.981	1.136	802			1.136	556	4462	994	7436
23	0.949	1.139	810			1.139	484	3923	874	6538
24	1.002	1.139	802			1.139	445	3568	795	5947
25	1.042	1.141	804			1.141	410	3295	734	5491
26	0.982	1.143	804			1.143	384	3084	687	5139
27	0.935	1.143	801			1.143	363	2909	648	4848
28	0.928	1.141	803			1.141	310	2487	554	4144
29	0.926	1.143	807			1.143	274	2208	492	3681
30	0.896	1.137	807			1.137	229	1845	411	3075
31	0.949	1.147	811			1.147	212	1719	383	2865

TOTAL	30.753	33.120		0.000	0.000	33.120				
AVERAGE	0.992	1.068	832	0.000	0.000	1.068	435	3564	794	5941
MAXIMUM	1.247	1.871	1406	0.000	0.000	1.871	1487	11985	2670	19974
MINIMUM	0.896	0.150	647	0.000	0.000	0.150	115	1463	326	2439
DAYS	31	31	31	0	0					

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 0