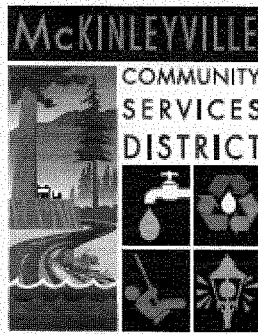


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R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

April 22, 2015

RE: MONTHLY MONITORING REPORT

Dear Charles:

Enclosed is the Monthly Monitoring Report for March 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 30 days Discharge Point 001. The required monitoring and water quality constituents that were tested and reported were in compliance in March.

The requirement for BOD is 45 mg/L, 604 lbs/day and 65 % removal for the monthly average with four weekly tests in March that represent eleven criteria. The BOD results for March 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 March which represent three criteria. The TSS results for March 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 March 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 March are as follows. Median was <1.8 and a Maximum of 4.5. Five samples were collected in the month of March and were in compliance.

Monthly River Monitoring was conducted in March.

Acute testing for March was conducted using Rainbow Trout and C.Dubia. Rainbow Trout had a 100% survival and C.Dubia had a 40% survival. Accelerated testing was performed on C. Dubia which produced the following results. Accelerated #1 100%, #2 90%. Acute testing was in compliance after accelerated testing.

WWMF Upgrade Status: The District sent back comments regarding the Final Bid Set and is waiting on engineer's response.

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

MONTH: MARCH

YEAR: 2015

DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING B.O.D. mg/L	N.F.R. mg/L	PH	TEMP (C°)	B.O.D. mg/L	NFR mg/L	AMMONIA	CL ₂ RES.	RIVER CL ₂ RES.	SETTLABLE SOLIDS	3X5 TOTAL COLIFORM
1	1.010	1.093	781	605			7.1	12.8				0.6	0.00		
2	0.941	1.088	768	559			7.1	12.9			28	1.0	0.00		<1.8
3	0.903	1.094	781	457			6.9	12.4			36	0.9	0.00		
4	0.902	0.983	779	383			6.8	12.5			32	2.4	0.00		
5	0.889	0.861	614	365			7	12.8			30	4	0.00		
6	0.864	0.862	614	339	320	250	6.8	12.6	11	6.2	32	1.5	0.00	<0.1	
7	0.906	0.866	616	329			7.1	13.0				0.7	0.00		
8	0.959	0.870	617	315			7.0	13.4				0.8	0.00		
9	0.906	0.840	612	296			6.9	13.0			32	2.9	0.00		<1.8
10	0.900	0.000	0	286			Washed CCB								
11	0.871	0.613	671	283			6.8	13.5			34	1.0	0.00		
12	0.885	0.922	655	280			6.7	13.2			36	0.9	0.00		
13	0.868	0.914	647	259	350	230	6.7	13.6	20	10	32	6.5	0.00	<0.1	
14	0.886	0.868	641	253			6.8	13.9				2.4	0.00		
15	0.975	0.913	647	247			7.0	14.6				2.2	0.00		
16	0.919	0.911	647	319			6.9	14.5			28	2.2	0.00		<1.8
17	0.877	0.905	645	293			6.8	14.1			32	2.0	0.00		
18	0.862	0.895	647	262			6.8	13.5			32	2.4	0.00		
19	0.863	0.886	631	242			6.9	13.9			34	1.7	0.00		
20	0.858	0.879	625	324	290	310	6.8	13.9	16	6.8	36	1.5	0.00	<0.1	
21	0.912	0.874	628	334			7.0	14.4				1.8	0.00		
22	1.025	0.867	614	343			6.9	15.0				2.5	0.00		
23	1.017	0.870	620	556			6.9	14.4			30	3.5	0.00		<1.8
24	0.962	1.136	919	2010			6.9	14.6			32	4.0	0.00		
25	0.976	1.309	926	2130			6.9	14.3			36	2.6	0.00		
26	0.981	1.308	916	1200			6.9	14.9			36	1.9	0.00		
27	0.960	1.308	919	823	340	310	6.8	15	15	11	34	1.5	0.00	<0.1	
28	0.977	1.307	921	626			6.9	14.9				0.8	0.00		
29	1.021	1.295	918	523			6.9	15.1				0.2	0.00		
30	0.960	1.282	904	471			6.8	15.3			34	1.6	0.00		4.5
31	0.950	1.287	973	452			6.8	15.5			32	1.5	0.00		

SPILLS:

None to report

DATE	TDS	AMMONIA	NITRATE	BORON
3/31/2015	240	25.0	ND	190

MONTHLY TESTS

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	N/A
Bromoform	N/A
Chlorodibromomethane	N/A
Chloroform	N/A

30 DAY AVERAGE

BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
16	128	95	8	73	97

ACUTE TOXICITY

DATE	% Survival
3/3/2015	100%
3/3/2015	40%
3/18/2015	100%

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

4.5

Indicates Permit Exceedance

REMARKS:

SIGNATURE:

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY EFFLUENT DISCHARGE DISPOSAL

MARCH 2015

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	IRRIGATE TOTAL MGD	RIVER MGD
1	1.010	1.093	781								0.000	1.093
2	0.941	1.088	768								0.000	1.088
3	0.903	1.094	781								0.000	1.094
4	0.902	0.983	779								0.000	0.983
5	0.889	0.861	614								0.000	0.861
6	0.864	0.862	614								0.000	0.862
7	0.906	0.866	616								0.000	0.866
8	0.959	0.870	617								0.000	0.870
9	0.906	0.340	612								0.000	0.340
10	0.900	0.000	0	Washed CCB							0.000	0.000
11	0.871	0.613	671								0.000	0.613
12	0.885	0.922	655								0.000	0.922
13	0.868	0.914	647								0.000	0.914
14	0.886	0.868	641								0.000	0.868
15	0.975	0.913	647								0.000	0.913
16	0.919	0.911	647								0.000	0.911
17	0.877	0.905	645								0.000	0.905
18	0.862	0.895	647								0.000	0.895
19	0.863	0.886	631								0.000	0.886
20	0.858	0.879	625								0.000	0.879
21	0.912	0.874	628								0.000	0.874
22	1.025	0.867	614								0.000	0.867
23	1.017	0.870	620								0.000	0.870
24	0.962	1.136	919								0.000	1.136
25	0.976	1.309	926								0.000	1.309
26	0.981	1.308	916								0.000	1.308
27	0.960	1.308	919								0.000	1.308
28	0.977	1.307	921								0.000	1.307
29	1.021	1.295	918								0.000	1.295
30	0.960	1.282	904								0.000	1.282
31	0.950	1.287	973								0.000	1.287
TOTAL	28.785	29.606		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	29.606
AVERAGE	0.929	0.955	706	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.955
MAXIMUM	1.025	1.309	973	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.309
MINIMUM	0.858	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DAYS	31	30		0	0	0	0	0	0	0	0	30
DAYS WITH NO DISCHARGE = 1												

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY

RIVER CFS - EFFLUENT FLOWS -

M-004

RIVER DILUTION

M-005

M-006

MAY 2006

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	1.010	1.093	781			1.093	348	2716	605	4526
2	0.941	1.088	768			1.088	327	2509	559	4182
3	0.903	1.094	781			1.094	263	2051	457	3419
4	0.902	0.983	779			0.983	221	1719	383	2865
5	0.889	0.861	614			0.861	267	1638	365	2731
6	0.864	0.862	614			0.862	248	1522	339	2536
7	0.906	0.866	616			0.866	240	1477	329	2461
8	0.959	0.870	617			0.870	229	1414	315	2357
9	0.906	0.340	612			0.340	217	1329	296	2214
10	0.900	0.000	0	Washed CCB		0.000	0	1284	286	2140
11	0.871	0.613	671			0.613	189	1270	283	2117
12	0.885	0.922	655			0.922	192	1257	280	2095
13	0.868	0.914	647			0.914	180	1163	259	1938
14	0.886	0.868	641			0.868	177	1136	253	1893
15	0.975	0.913	647			0.913	171	1109	247	1848
16	0.919	0.911	647			0.911	221	1432	319	2386
17	0.877	0.905	645			0.905	204	1315	293	2192
18	0.862	0.895	647			0.895	182	1176	262	1960
19	0.863	0.886	631			0.886	172	1086	242	1810
20	0.858	0.879	625			0.879	233	1454	324	2424
21	0.912	0.874	628			0.874	239	1499	334	2499
22	1.025	0.867	614			0.867	251	1540	343	2566
23	1.017	0.870	620			0.870	403	2496	556	4159
24	0.962	1.136	919			1.136	982	9022	2010	15037
25	0.976	1.309	926			1.309	1032	9561	2130	15935
26	0.981	1.308	916			1.308	588	5386	1200	8977
27	0.960	1.308	919			1.308	402	3694	823	6157
28	0.977	1.307	921			1.307	305	2810	626	4683
29	1.021	1.295	918			1.295	256	2348	523	3913
30	0.960	1.282	904			1.282	234	2114	471	3524
31	0.950	1.287	973			1.287	209	2029	452	3381

TOTAL	28.785	29.606		0.000	0.000	29.606				
AVERAGE	0.929	0.955	706	0.000	0.000	0.955	296	2340	521	3901
MAXIMUM	1.025	1.309	973	0.000	0.000	1.309	1032	9561	2130	15935
MINIMUM	0.858	0.000	0	0.000	0.000	0.000	0	1086	242	1810
DAYS	31	30	30	0	0					

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 1