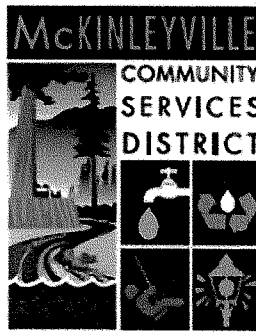


**PHYSICAL ADDRESS:**

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

May 31, 2013

**RE: MONTHLY MONITORING REPORT**

Dear Lisa:

Enclosed is the Monthly Monitoring Report for April 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 April 1<sup>st</sup> – April 28<sup>th</sup>, for 28 days discharge to 001 Mad River and April 29<sup>th</sup> and 30<sup>th</sup> discharge to 004 reclamation. The required monitoring and water quality constituents that were tested and were reported were in compliance for April.

From April 1 to April 28 the requirement for BOD is 45 mg/L, 604 lbs/day and 65% removal for the monthly average and a weekly average limit of 65 mg/L and 873 lbs/day. From April 29 and April 30 the requirements for mass emission and percent removal are no longer regulated. With four weekly tests in April, that constitutes eleven criteria. The BOD results are in compliance.

From April 1 to April 28 the requirement for NFR is 83 mg/L, 1108 lbs/day and minimum of 65% removal for the monthly average. From April 29 and April 30 the requirements for mass emission and percent removal are no longer regulated. With four weekly tests in April, that constitutes three criteria. The NFR results 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 April and was in compliance.

Total Coliform Organisms MPN/100 ml., 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 April are as follows. Median was <1.8 and a Maximum of 2.0. Five samples were collected and were in compliance.

Acute Toxicity testing was conducted in April. The result for Rainbow Trout was 100% survival and the survival of *C. dubia* was 100%

Monthly River Monitoring R-001 and 002 was conducted in April.

Quarterly testing for Monitoring Wells and Disinfection Byproducts was conducted in April.

Semi annual testing for constituents of concern was conducted in April.

**April 2013**

[illegible]

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

April 2013

M-004

RIVER DILUTION

M-005

M-006

M-007

M-002

DATE	M-INF INFLUENT MGD	M-001 EFFLUENT MGD	EFFLUENT MAXIMUM GPM	M-003 PERK PONDS MGD	IRRIGATE MGD	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	0.954	1.095	800			1.095	402	3214	716	5356
2	0.919	1.138	803			1.138	375	3007	670	5012
3	0.908	1.139	798			1.139	323	2576	574	4294
4	0.968	1.136	798			1.136	334	2666	594	4444
5	0.982	1.122	786			1.122	1034	8124	1810	13541
6	1.016	1.562	1298			1.562	546	7092	1580	11820
7	1.143	1.713	1298			1.713	564	7316	1630	12194
8	1.108	0.921	1114			0.921	1414	15755	3510	26258
9	1.037	0.000	0			0.000		10414	2320	17356
10	1.022	0.673	771			0.673	1030	7945	1770	13241
11	0.995	1.068	763			1.068	859	6553	1460	10922
12	0.978	1.050	741			1.050	763	5656	1260	9426
13	0.996	1.324	1060			1.324	462	4893	1090	8154
14	1.047	1.277	1058			1.277	403	4264	950	7107
15	0.976	1.138	871			1.138	447	3892	867	6486
16	0.951	1.135	807			1.135	457	3685	821	6142
17	0.955	1.135	805			1.135	370	2980	664	4967
18	0.934	1.130	798			1.130	343	2738	610	4563
19	0.907	1.123	788			1.123	333	2621	584	4369
20	0.958	1.122	789			1.122	318	2509	559	4182
21	1.010	1.123	791			1.123	292	2312	515	3853
22	0.934	1.124	832			1.124	242	2011	448	3351
23	0.914	1.112	784			1.112	235	1845	411	3075
24	0.916	1.106	782			1.106	216	1688	376	2813
25	0.912	1.114	853			1.114	184	1571	350	2618
26	0.892	1.097	769			1.097	182	1400	312	2334
27	0.897	1.098	773			1.098	172	1329	296	2214
28	0.964	0.759	770			0.759	154	1189	265	1982
29	0.916	0.533	721		0.533	0.000	153	1100	245	1833
30	0.889	1.072	815		1.072	0.000	129	1050	234	1751
31						0.000		0		0

TOTAL	28.998	32.139		0.000	1.605	30.534				
AVERAGE	0.967	1.071	828	#DIV/0!	0.803	0.985	439	3981	916	6634
MAXIMUM	1.143	1.713	1298	0.000	1.072	1.713	1414	15755	3510	26258
MINIMUM	0.889	0.000	0	0.000	0.533	0.000	129	0	234	0
DAYS	30	30	30	0	2					

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 3

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
MONITORING DATA

YEAR: 2013

MONTH: April

DATE	INFLUENT FLOW		EFFLUENT FLOW		RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING							3X5 TOTAL COLIFORM			
	M.G.D.	M.G.D.	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	CL <sub>2</sub> RES.	RIVER CL <sub>2</sub> RES		SETTLABLE SOLIDS		
1	0.954	1.095	800	716				6.7	13.5			36	1.7	0.00		2		
2	0.919	1.136	803	670				6.9	13.3			36	1.4	0.00				
3	0.908	1.139	798	574				6.8	13.9			36	1.4	0.00				
4	0.988	1.136	798	594				6.7	14.0			34	1.8	0.00				
5	0.982	1.122	786	1810				6.8	14.3	17	14	38	1.6	0.00	<0.1			
6	1.016	1.562	1298	1580				6.8	14.9				1.6	0.00				
7	1.143	1.713	1298	1630				7.0	14.6				0.2	0.00				
8	1.108	0.921	1114	3510				6.9	13.9			36	4.0	0.00		<1.8		
9	1.037	0.000	0	2320		Shut down to wash Chlorine Contact Chamber												
10	1.022	0.673	771	1770				6.9	14.0			34	0.7	0.00				
11	0.995	1.088	763	1460				6.9	14.0			36	2.6	0.00				
12	0.978	1.050	741	1260				7	13.7	24	19	32	1.5	0.00	<0.1			
13	0.996	1.324	1080	1090				7.3	13.8				0.9	0.00				
14	1.047	1.277	1058	950				6.9	14.2				0.3	0.00				
15	0.976	1.138	871	867				6.7	13.9			34	1.0	0.00		2		
16	0.951	1.135	807	821				6.8	14.0			34	2.1	0.00				
17	0.955	1.135	805	664				6.8	14.0			30	2.2	0.00				
18	0.934	1.130	798	610				6.7	13.7			32	1.3	0.00				
19	0.907	1.123	788	584				6.8	13.9	22	24	30	0.8	0.00	<0.1			
20	0.958	1.122	789	559				6.6	14				0.2	0.00				
21	1.010	1.123	791	515				6.7	14.4				0.2	0.00				
22	0.934	1.124	832	448				6.7	14.4			36	0.2	0.00		<1.8		
23	0.914	1.112	784	411				6.7	14.8			34	1.6	0.00				
24	0.916	1.106	782	376				6.6	15.2			36	1.1	0.00				
25	0.912	1.114	853	350				6.7	14.8			36	0.8	0.00				
26	0.892	1.097	769	312				6.7	15.2	19	21	32	1	0.00	<0.1			
27	0.897	1.098	773	296				6.7	15.1				1.3	0.00				
28	0.964	0.759	770	265				6.7	15.0				1.3	0.00				
29	0.916	0.533	721	245				6.8	15.3			30	5.1	out of river				
30	0.889	1.072	815	234				6.6	14.6			34	3.8			<1.8		
31																		

SPILLS:

None to report

DATE	MONTHLY TESTS			
	TDS	AMMONIA	NITRATE	BORON
4/5/2013	230	28.0	ND	210

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

Quarterly Tests		Value in ug/l
Dichlorobromomethane		ND
Bromomethane		ND
Chlorobromomethane		DNQ
Chloroform		1.55

30 DAY AVERAGE							
BOD	mg/L	BOD	LBS/DAY	% Removal	BOD	mg/L	NFR
21	187	91	20	179	90		

ACUTE TOXICITY

DATE	% Survival
4/3/2013	100%
4/3/2013	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
	2

REMARKS: Stopped river discharge on 4/28/2013. Started land application on 4/29/2013.

SIGNATURE: James Henry