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

October 28, 2015

**RE: MONTHLY MONITORING REPORT**

Dear Justin:

Enclosed is the Monthly Monitoring Report for September 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 to Discharge Point 002, 003, 004 and 006. The required monitoring and water quality constituents that were tested and reported were in compliance in September.

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

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

Monthly River Monitoring was conducted in September.

WWMF Upgrade Status: Bids were opened on October 22, 2015 and were sent to Kennedy/Jenks for review. Staff and engineers are still working on the NPDES permit renewal.

Attended a meeting with Justin and Greg Orsini to walk around and get familiar with our facilities.

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
MONITORING DATA

MONTH: SEPTEMBER

YEAR: 2015

DATE	INFLUENT		EFFLUENT		RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING				RIVER CL <sub>2</sub> RES		SETTLABLE SOLIDS		3X5 TOTAL COLIFORM
	FLOW M.G.D.	M.G.D.	FLOW M.G.D.	MAXIMUM GPM		B.O.D. mg/L	N.F.R. mg/L	pH	TEMP (C°)	B.O.D. mg/L	N.F.R. mg/L	AMMONIA	CL <sub>2</sub> RES.			
1	0.767	1.046	1.046	1114				6.9	19.6			34	2.7			
2	0.769	1.007	1.007	1103				7.0	19.8			36	3.8			
3	0.762	1.054	1.054	1127				7.0	19.4			36	4.1			
4	0.761	0.865	0.865	1161		400	340	6.9	19.5	24	10	40	4.9	<0.1		
5	0.757	0.391	0.391	278												
6	0.757	0.393	0.393	279												
7	0.846	0.395	0.395	281												
8	0.774	0.712	0.712	1287				7.0	19.0			36	5.6			<1.8
9	0.778	1.121	1.121	1049				7.1	18.7			34	5.4			
10	0.762	0.917	0.917	965				7.1	18.4			32	5.6			
11	0.755	0.904	0.904	1204		250	230	7.0	18.8	23	9.6	32	5.6	<0.1		
12	0.781	0.546	0.546	387												
13	0.854	0.537	0.537	397												
14	0.803	0.777	0.777	1087				7.1	18.6			32	5.3			<1.8
15	0.783	1.041	1.041	1124				7.0	17.7			32	4.8			
16	0.791	1.080	1.080	1097				7.1	17.7			34	6.0			
17	0.803	0.984	0.984	1085				7.3	17.9			38	4.9			
18	0.758	0.814	0.814	1175				7.2	17.6	17	20	34	4.4	<0.1		
19	0.770	0.434	0.434	311		220	240									
20	0.842	0.430	0.430	306												
21	0.786	0.222	0.222	1064				7.2	17.7			36	2.4			<1.8
22	0.777	0.562	0.562	1571				7.3	17.3			26	0.9			
23	0.773	1.211	1.211	1134				7.1	17.2			32	2.1			
24	0.753	1.077	1.077	1139				7.1	17.3			32	6.1			
25	0.756	0.921	0.921	1002		260	250	7.2	17.1	24	12	34	5.6	<0.1		
26	0.779	0.387	0.387	275												
27	0.843	0.384	0.384	275												
28	0.782	0.604	0.604	871				7.1	16.8			32	4.4			<1.8
29	0.755	0.946	0.946	1082				7.0	17.0			32	2.3			
30	0.759	0.879	0.879	897				7.1	17.2			34	3.7			

SPILLS:

None to report

DATE	MONTHLY TESTS			
	TDS	AMMONIA	NITRATE	BORON
9/30/2015	310	45.0	ND	290

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	% Removal	BOD	mg/L	% Removal
22		162		92	13		95

ACUTE TOXICITY

DATE	% Survival
	N/A
	N/A

Rainbow Trout  
C. dubia

CHRONIC TOXICITY

TESTED	SURVIVAL
Minnow	N/A
C. Dubia	N/A
Algae	N/A
	TUG

Total Coliform	Monthly
	MEDIAN
	<1.8
	Daily
	Maximum
	<1.8

SIGNATURE: \_\_\_\_\_

REMARKS:

Indicates Permit Exceedance

# McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY EFFLUENT DISCHARGE DISPOSAL

SEPTEMBER 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	IRRGATE TOTAL MGD	RIVER MGD
1	0.767	1.046	1114			0.565	0.189	0.292		1.046	0.000
2	0.769	1.007	1103			0.623	0.106	0.278		1.007	0.000
3	0.762	1.054	1127			0.601	0.168	0.285		1.054	0.000
4	0.761	0.865	1161		0.209	0.415	0.068	0.173		0.656	0.000
5	0.757	0.391	278		0.391					0.000	0.000
6	0.757	0.393	279		0.393					0.000	0.000
7	0.846	0.395	281		0.395					0.000	0.000
8	0.774	0.712	1287		0.152	0.203	0.192	0.165		0.560	0.000
9	0.778	1.121	1049			0.711	0.126	0.284		1.121	0.000
10	0.762	0.917	965			0.534	0.096	0.287		0.917	0.000
11	0.755	0.904	1204		0.302	0.394	0.036	0.172		0.602	0.000
12	0.781	0.546	387		0.546					0.000	0.000
13	0.854	0.537	397		0.537					0.000	0.000
14	0.803	0.777	1087		0.214	0.262	0.144	0.157		0.563	0.000
15	0.783	1.041	1124			0.581	0.156	0.304		1.041	0.000
16	0.791	1.080	1097			0.606	0.162	0.312		1.080	0.000
17	0.803	0.984	1085			0.516	0.159	0.309		0.984	0.000
18	0.758	0.814	1175		0.233	0.330	0.072	0.179		0.581	0.000
19	0.770	0.434	311		0.434					0.000	0.000
20	0.842	0.430	306		0.430					0.000	0.000
21	0.786	0.222	1064		0.156	0.066				0.066	0.000
22	0.777	0.562	1571			0.342	0.095	0.125		0.562	0.000
23	0.773	1.211	1134			0.710	0.193	0.308		1.211	0.000
24	0.753	1.077	1139			0.576	0.198	0.303		1.077	0.000
25	0.756	0.921	1002		0.215	0.474	0.060	0.172		0.706	0.000
26	0.779	0.387	275		0.387					0.000	0.000
27	0.843	0.384	275		0.384					0.000	0.000
28	0.782	0.604	871		0.149	0.136	0.155	0.164		0.455	0.000
29	0.755	0.946	1082			0.641		0.305		0.946	0.000
30	0.759	0.879	897			0.580		0.299		0.879	0.000
TOTAL	23.436	22.641		0.000	5.527	9.866	2.375	4.873	0.000	17.114	0.000
AVERAGE	0.781	0.755	871	0.000	0.325	0.470	0.132	0.244	0.000	0.570	0.000
MAXIMUM	0.854	1.211	1571	0.000	0.546	0.711	0.198	0.312	0.000	1.211	0.000
MINIMUM	0.753	0.222	275	0.000	0.149	0.066	0.036	0.125	0.000	0.000	0.000
DAYS	30	30		0	17	21	18	20	0	21	0
DAYS WITH NO DISCHARGE = 0											