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

July 27, 2017

**RE: MONTHLY MONITORING REPORT**

Dear Justin:

Enclosed is the Monthly Monitoring Report for June 2017 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 Points 002, 004, 006 and 007. The required monitoring and water quality constituents that were tested and reported were in compliance in June.

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

The requirement for TSS is 83 mg/L, for the monthly average with five weekly tests in June which represent one criteria. The TSS results for June 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 June 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 June are as follows. Median was <1.8 and a Maximum of 2. Four samples were collected in the month of June and were in compliance.

Monthly River Monitoring was conducted in June.

WWMF Upgrade Status: Clarifier "A" and "B" mechanical equipment is installed and running. The headworks and maintenance building are 95% completed. Piping from Mixed liquor to Aeration basin is installed along with running wire. Aquality is working on getting bugs established in aeration basin #1 and dialing in the plant to prepare for the 30-day acceptance test. Staff training on new equipment is in process. Grading is ongoing and paving should take place next week. Weekly meetings have been conducted with District staff, contractors, engineers and the project manager. Contractors have 521 days to complete the project. They have projected to be completed by August 2017.

# McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY EFFLUENT DISCHARGE DISPOSAL

JUNE 2017

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	0.928	1.233	1072			0.993		0.240		1.233	0.000
2	1.007	1.161	1059		0.480	0.546		0.135		0.681	0.000
3	1.193	0.877	616		0.877					0.000	0.000
4	1.165	0.874	614		0.874					0.000	0.000
5	1.014	0.854	924		0.331	0.403		0.120		0.523	0.000
6	0.932	0.919	951			0.649		0.270		0.919	0.000
7	0.923	1.024	941			0.776		0.248		1.024	0.000
8	0.940	1.052	938			0.780		0.272		1.052	0.000
9	0.899	1.038	933		0.451	0.459		0.128		0.587	0.000
10	0.939	0.817	578		0.817					0.000	0.000
11	0.989	0.820	586		0.820					0.000	0.000
12	0.937	0.977	1285		0.299	0.556		0.122		0.678	0.000
13	0.929	1.344	1296			1.080		0.264		1.344	0.000
14	0.924	1.164	1047			0.922		0.242		1.164	0.000
15	0.931	1.170	1037			0.920		0.250		1.170	0.000
16	0.910	1.096	1031		0.438	0.526		0.132		0.658	0.000
17	0.907	0.801	562		0.801					0.000	0.000
18	0.935	0.803	564		0.803					0.000	0.000
19	0.898	0.913	1066		0.304	0.488		0.121		0.609	0.000
20	0.886	1.238	1183			0.980		0.258		1.238	0.000
21	0.886	1.309	1198			0.986		0.261	0.062	1.309	0.000
22	0.872	1.000	1006			0.667		0.243	0.090	1.000	0.000
23	0.850	0.673	690		0.291	0.245		0.137		0.382	0.000
24	0.840	0.523	373		0.523					0.000	0.000
25	0.896	0.517	365		0.517					0.000	0.000
26	0.859	0.669	886		0.197	0.350		0.122		0.472	0.000
27	0.846	0.858	982			0.605		0.253		0.858	0.000
28	0.852	0.850	951			0.592		0.258		0.850	0.000
29	0.837	1.000	1101			0.749		0.251		1.000	0.000
30	0.828	1.064	1109		0.544	0.410		0.110		0.520	0.000
TOTAL	27.752	28.638		0.000	9.367	14.682	0.000	4.437	0.152	19.271	0.000
AVERAGE	0.925	0.955	898	0.000	0.551	0.667	0.000	0.202	0.000	0.000	0.000
MAXIMUM	1.193	1.344	1296	0.000	0.877	1.080	0.000	0.272	0.090	1.344	0.000
MINIMUM	0.828	0.517	365	0.000	0.197	0.245	0.000	0.110	0.062	0.000	0.000
DAYS	30	30		0	17	22	0	22	2	22	0
DAYS WITH NO DISCHARGE = 0											

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
MONITORING DATA

YEAR: 2017

MONTH: JUNE

DATE	INFLUENT FLOW		EFFLUENT FLOW		EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING			EFFLUENT MONITORING							3X5 TOTAL COLIFORM	
	MG.D.	MG.D.	MG.D.	MG.D.			B.O.D. mg/L	N.F.R. mg/L	pH	(C°) TEMP	B.O.D. mg/L	NFR mg/L	AMMONIA	CL₂ RES.	RIVER CL₂ RES	SETTLABLE SOLIDS		
1	0.928	1.233	1072					270	250	6.8	17.7		30	4.5				
2	1.007	1.161	1059							7.1	18.3	14	20	2.4			<0.1	
3	1.193	0.877	616															
4	1.165	0.874	614															
5	1.014	0.854	924															
6	0.932	0.919	951							7	17.7			2.5				2
7	0.923	1.024	941							6.9	18			3.4				
8	0.940	1.052	938							6.9	17.8			2.6				
9	0.899	1.038	933							7.0	18.0			2.3				
10	0.939	0.817	578					280	250	7.1	18.0	12	19	2.3			<0.1	
11	0.989	0.820	586															
12	0.937	0.977	1285															2
13	0.929	1.344	1296							7.0	17.8			0.7				
14	0.924	1.164	1047							7.0	17.9			2.6				
15	0.931	1.170	1037							6.9	18.0			3.3				
16	0.910	1.096	1031							7.0	18.3			3.4				
17	0.907	0.801	562					370	280	6.8	18.7	11	15	2.4			<0.1	
18	0.935	0.803	564															
19	0.898	0.913	1066															
20	0.886	1.238	1183							6.8	19.0			3.2	4.5			<1.8
21	0.886	1.309	1198							7.0	18.5			3.2	3.5			
22	0.872	1.000	1006							6.9	19.1			3.2	3.3			
23	0.850	0.673	690							7.2	19.3			3.0	3.9			
24	0.840	0.523	373					270	420	6.9	19.8	11	33	3.2	4.4		<0.1	
25	0.896	0.517	365															
26	0.859	0.669	886															
27	0.846	0.858	982							6.8	19.7			3.0	3.5			<1.8
28	0.852	0.850	951							6.8	19.2			3.0	1.5			
29	0.837	1.000	1101							6.7	19.0			2.8	3.7			
30	0.828	1.064	1109							6.8	18.8			3.2	3.5			
								280	310	6.8	18.8	14	14	3.2	3.0		<0.1	

SPILLS:

None to report

DATE	TDS	AMMONIA	NITRATE	BORON
6/30/2017	220	32.0	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
Bromofom	N/A
Chlorodibromomethane	N/A
Chlorofom	N/A

30 DAY AVERAGE

BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
12	100	96	22	170	93

ACUTE TOXICITY

DATE	% Survival
	N/A
	N/A
	N/A

Rainbow Trout  
C. dubia

CHRONIC TOXICITY

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

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

REMARKS:

Indicates Permit Exceedance

Total Coliform	Monthly
MEDIAN	<1.8
Daily	
Maximum	2