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

November 28, 2017

**RE: MONTHLY MONITORING REPORT**

Dear Justin:

Enclosed is the Monthly Monitoring Report for October 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 and 005. The required monitoring and water quality constituents that were tested and reported were in compliance in October.

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

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

Monthly River Monitoring was conducted in October.

Quarterly and Semi-annual testing was conducted in October.

WWMF Upgrade Status: Upgrade is near completion. Contractor is currently working on punch list items along with trying to dial in the plant. Aquality has been contracted by Auburn to get the process to perform according to specifications. Weekly meetings have been conducted with District staff, contractors, engineers and the project manager. Contractors have 521 days to complete the project. They will be running over on the completion date and now have projected to be completed by first week of December 2017.

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
EFFLUENT DISCHARGE DISPOSAL

OCTOBER 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	0.892	0.584	412		0.584					0.000	0.000
2	0.831	1.104	2138			1.017			0.087	1.104	0.000
3	0.811	0.978	1066			0.818			0.160	0.978	0.000
4	0.815	0.998	1178			0.833			0.165	0.998	0.000
5	0.804	1.006	2027			0.844			0.162	1.006	0.000
6	0.790	0.932	895		0.397	0.526			0.009	0.535	0.000
7	0.834	0.720	509		0.720					0.000	0.000
8	0.885	0.712	502		0.712					0.000	0.000
9	0.813	0.712	502		0.712					0.000	0.000
10	0.811	0.829	2015		0.271	0.219			0.339	0.558	0.000
11	0.799	0.943	1161			0.780			0.163	0.943	0.000
12	0.805	0.949	1134			0.791			0.158	0.949	0.000
13	0.741	0.786	807		0.509	0.221			0.056	0.277	0.000
14	0.838	0.704	497		0.704					0.000	0.000
15	0.880	0.701	496		0.701					0.000	0.000
16	0.807	0.809	1050		0.260	0.460			0.089	0.549	0.000
17	0.798	0.972	1138			0.818			0.154	0.972	0.000
18	0.807	0.934	1701			0.773			0.161	0.934	0.000
19	0.858	0.957	1143			0.790			0.167	0.957	0.000
20	0.831	0.861	814		0.377	0.395			0.089	0.484	0.000
21	0.855	0.196	484		0.196					0.000	0.000
22	0.900	0.000	0							0.000	0.000
23	0.829	0.537	1462			0.449			0.088	0.537	0.000
24	0.798	0.985	942			0.816			0.169	0.985	0.000
25	0.822	1.008	1038			0.843			0.165	1.008	0.000
26	0.824	1.034	1062			0.864			0.170	1.034	0.000
27	0.799	0.965	866		0.398	0.480			0.087	0.567	0.000
28	0.835	0.727	510		0.727					0.000	0.000
29	0.870	0.723	509		0.723					0.000	0.000
30	0.827	0.939	1042		0.428	0.430			0.081	0.511	0.000
31	0.774	1.047	1150			0.884			0.163	1.047	0.000
TOTAL	24.691	25.352		0.000	8.419	14.051	0.000	0.000	2.882	16.933	0.000
AVERAGE	0.823	0.818	976	0.000	0.000	0.669	0.000	0.000	0.000	0.546	0.000
MAXIMUM	0.900	1.104	2138	0.000	0.727	1.017	0.000	0.000	0.339	1.104	0.000
MINIMUM	0.741	0.000	0	0.000	0.196	0.219	0.000	0.000	0.009	0.000	0.000
DAYS	31	30		0	16	21	0	0	21	21	0
DAYS WITH NO DISCHARGE = 1											

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
MONITORING DATA

YEAR: 2017

MONTH: OCTOBER

DATE	INFLUENT FLOW MGD		EFFLUENT FLOW MGD		EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING							3X5 TOTAL COLIFORM	
	INFLUENT FLOW MGD	INFLUENT FLOW MGD	EFFLUENT FLOW MGD	EFFLUENT MAXIMUM GPM			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	0.892	0.584	412						6.7	16.1			7	5.4			<1.8
2	0.831	1.104	2138						6.8	16.1			7	5.0			
3	0.811	0.978	1066						6.8	16.1			7	5.1			
4	0.815	0.998	1178						6.9	15.9			7	4.9			
5	0.804	1.006	2027						6.9	16.1	8	2.6	7	5.0		<0.1	
6	0.790	0.932	895				370	290									
7	0.834	0.720	509														
8	0.885	0.712	502														
9	0.813	0.712	502														
10	0.811	0.829	2015														
11	0.799	0.943	1161						6.9	14.8			6	5.7			<1.8
12	0.805	0.949	1134						6.8	14.6			6	5.5			
13	0.741	0.786	807				400	290	7.1	14.5			9	5.3			
14	0.838	0.704	497						7.1	14.1	6.8	ND	7	2.9		<0.1	
15	0.880	0.701	496														
16	0.807	0.809	1050														
17	0.798	0.972	1138						6.9	13.8			6	2.7			<1.8
18	0.807	0.934	1701						6.9	14.2			6	3.3			
19	0.858	0.957	1143						7.1	13.7			7	3.2			
20	0.831	0.861	814				290	270	7.0	15.1			5	3.0			
21	0.855	0.196	484						7.0	14.1	3.7	ND	4	3.0		<0.1	
22	0.900	0.000	0														
23	0.829	0.537	1462														
24	0.798	0.985	942						7.0	14.5			6	1.8			<1.8
25	0.822	1.008	1038						6.9	14.8			5	2.8			
26	0.824	1.034	1062						6.9	14.2			4	2.7			
27	0.799	0.965	866				430	330	6.9	14.4			3	3.0			
28	0.835	0.727	510						7.1	13.9	4.5	ND	3	3.1		<0.1	
29	0.870	0.723	509														
30	0.827	0.939	1042						6.9	14.9			3	3.3			
31	0.774	1.047	1150						6.9	14.2			3	3.3			<1.8

SPILLS:

None to report

DATE	MONTHLY TESTS			BORON
	TDS	AMMONIA	NITRATE	
10/31/2017	320	5.2	1.5	240

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

Quarterly Tests		Value in ug/l
Dichlorobromomethane		ND
Bromform		ND
Chlorodibromomethane		ND
Chloroform		ND

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
	TUG

Total Coliform

Monthly

MEDIAN

<1.8

Daily

Maximum

<1.8

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

REMARKS:  Indicates Permit Exceedance