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

October 26, 2017

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for September 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 22 days to Discharge Points 002, 003, 004, 005, and 006. The required monitoring and water quality constituents that were tested and reported were in compliance in September other than one exceedance on the Weekly Total Coliform.

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

The requirement for TSS is 83 mg/L, for the monthly average with five 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 15. Four samples were collected in the month of September and were in compliance.

Monthly River Monitoring was conducted in September.

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. They have modified to run all treatment through 1 aeration basin instead of 2 due to the influent not having enough food source to feed two basins. There were only 22 days of discharge in September due to shutting down to allow for contractors to make tie-ins along with maintenance. 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 November 2017.

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL

SEPTEMBER 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	0.823	0.958	1093		0.458	0.329	0.042	0.129			0.500	0.000
2	0.836	0.726	588		0.726						0.000	0.000
3	0.848	0.617	437		0.617						0.000	0.000
4	0.713	0.634	451		0.634						0.000	0.000
5	0.826	0.270	460		0.270						0.000	0.000
6	0.832	0.000	0								0.000	0.000
7	0.818	0.395	1153		0.395						0.000	0.000
8	0.810	0.272	740			0.192	0.080				0.272	0.000
9	0.838	0.000	0								0.000	0.000
10	0.907	0.000	0								0.000	0.000
11	0.829	0.000	0								0.000	0.000
12	0.821	0.000	0								0.000	0.000
13	0.828	1.170	1468			0.735	0.248	0.120	0.067		1.170	0.000
14	0.824	1.735	1406			1.302	0.241	0.124	0.068		1.735	0.000
15	0.800	1.751	1499			1.401	0.137	0.142	0.071		1.751	0.000
16	0.833	1.590	1171			1.590					1.590	0.000
17	0.888	1.673	1198			1.673					1.673	0.000
18	0.849	0.756	1190			0.756					0.756	0.000
19	0.812	0.000	0								0.000	0.000
20	0.842	0.000	0								0.000	0.000
21	0.790	0.000	0								0.000	0.000
22	0.818	0.543	1772		0.543						0.000	0.000
23	0.832	0.858	632		0.858						0.000	0.000
24	0.890	0.848	607		0.848						0.000	0.000
25	0.824	0.796	1158		0.796						0.000	0.000
26	0.806	0.802	1056		0.309	0.394	0.099				0.493	0.000
27	0.804	0.753	1089			0.690	0.063				0.753	0.000
28	0.807	0.784	945			0.719	0.065				0.784	0.000
29	0.794	0.839	1008			0.755			0.084		0.839	0.000
30	0.833	0.587	421		0.587						0.000	0.000
TOTAL	24.775	19.357		0.000	7.041	10.536	0.975	0.515	0.290		12.316	0.000
AVERAGE	0.826	0.645	718	0.000	0.000	0.878	0.122	0.129	0.000		0.411	0.000
MAXIMUM	0.907	1.751	1772	0.000	0.858	1.673	0.248	0.142	0.084		1.751	0.000
MINIMUM	0.713	0.000	0	0.000	0.270	0.192	0.042	0.120	0.067		0.000	0.000
DAYS	30	22		0	12	12	8	4	4		12	0
DAYS WITH NO DISCHARGE = 8												

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

YEAR: 2017

MONTH: SEPTEMBER

DATE	INFLUENT FLOW		EFFLUENT FLOW		RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING		RIVER		3X5 TOTAL	
	MG.D.	MG.D.	MG.D.	MG.D.		B.O.D. mg/L	N.F.R. mg/L	PH	TEMP	B.O.D. mg/L	N.F.R. mg/L	SETTLABLE SOLIDS	COLIFORM
1	0.823	0.958	1093			330	240	6.7	17.9	2.6	18	<0.1	
2	0.836	0.726	588										
3	0.848	0.617	437										
4	0.713	0.634	451										
5	0.826	0.270	460					6.7	18.5		9	9.3	<1.8
6	0.832	0.000	0					ccb shutdown for maintenance			6	4.4	
7	0.818	0.395	1153					6.8	18.8		8	8.7	
8	0.810	0.272	740			280	150	6.7	18.3	ND	16	<0.1	
9	0.838	0.000	0					no discharge					
10	0.907	0.000	0					no discharge					
11	0.829	0.000	0					no discharge					
12	0.821	0.004	103					ccb wash					
13	0.828	1.170	1468					6.7	18		8	4.7	<1.8
14	0.824	1.735	1406					6.6	18.3		7	6.7	
15	0.800	1.751	1499			300	260	6.6	18.0	9.9	11	<0.1	
16	0.833	1.590	1171					6.5	18.5		6	5.8	
17	0.888	1.673	1198					6.6	18.0		4.4		
18	0.849	0.756	1190					6.6	18.5		6	3.1	15
19	0.812	0.000	0					ccb shutdown					
20	0.842	0.000	0					ccb shutdown					
21	0.790	0.000	0					ccb shutdown					
22	0.818	0.543	1772					6.7	17.0		8	3.2	<0.1
23	0.832	0.858	632							13	6.2		
24	0.890	0.848	607			310	240						
25	0.824	0.796	1158					6.6	16.5		7	6.6	<1.8
26	0.806	0.802	1056					6.9	16.9		6	5.8	
27	0.804	0.753	1089					6.9	16.9		6	5.8	
28	0.807	0.784	945					6.8	16.9		6	5.9	
29	0.794	0.839	1008			420	260	6.8	17.1	11	2.6	<0.1	
30	0.833	0.587	421										

DATE	MONTHLY TESTS			
	TDS	AMMONIA	NITRATE	BORON
9/30/2017	310	6.0	6.2	280

SPILLS:			
None to report			

Semi-Annual Tests		Value in ug/l
Bis phthalate		N/A
alph-BHC		N/A
4,4'-DDT		N/A
carbon tetrachloride		N/A

Quarterly Tests		Value in ug/l
Dichlorobromomethane		N/A
Bromform		N/A
Chlorodibromomethane		N/A
Chloroform		N/A

30 DAY AVERAGE			
BOD mg/L	BOD LBS/DAY	% Removal	NFR
6	62	98	100
			94

ACUTE TOXICITY		% Survival
DATE		N/A
		N/A
		N/A

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

Total Coliform	Monthly	Maximum
		<1.8
	Daily	Maximum
		15

SIGNATURE: _____

REMARKS: Indicates Permit Exceedance