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

August 19, 2016

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for July 2016 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, 003, 004, 005 and 006. The required monitoring and water quality constituents that were tested and reported were in compliance in July.

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

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

Monthly River Monitoring was conducted in July.

Quarterly well samples were collected in July

Quarterly Disinfection Byproducts were conducted in July

WWMF Upgrade Status: The Clarifier concrete is being poured in stages. The headworks and maintenance building are started and will be built at the same time. The aeration basins are 70% completed and lining is scheduled for next month. Weekly meeting 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 February 2017.

**McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
MONITORING DATA**

MONTH: JULY

YEAR: 2016

		INFLUENT FLOW		EFFLUENT FLOW		EFFLUENT MAXIMUM		RIVER CFS		INFLUENT MONITORING		EFFLUENT MONITORING										3X5 TOTAL COLIFORM							
DATE		M.G.D.		M.G.D.		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		0.775		0.795		820				320		210		6.8	19.6		20		42		26		1.6				<0.1		
2		0.752		0.470		336																							
3		0.764		0.463		330																							
4		0.778		0.460		332								6.9	19.4													<1.8	
5		0.805		0.591		786								6.8	19.0														
6		0.789		0.784		782								6.8	19.6														
7		0.781		0.767		922								6.8	19.6														
8		0.752		0.907		929				280		260		6.8	19.6		18		37		32		1.7				<0.1		
9		0.781		0.518		370																							
10		0.813		0.512		368																							
11		0.785		0.198		363																						<1.8	
12		0.775		0.000		0								Washed CCB															
13		0.774		0.571		1197								6.7	19.4						30		3.3						
14		0.755		0.951		965								6.8	19.1						32		1.1						
15		0.753		0.980		742				370		440		6.9	18.8		13		25		30		0.7				<0.1		
16		0.756		0.808		571																							
17		0.806		0.801		567																						<1.8	
18		0.786		0.768		926								6.7	19.6						28		5.9						
19		0.783		0.926		867								6.7	19.6						28		4.6						
20		0.781		0.940		869								6.7	19.4						28		4.4						
21		0.769		0.895		957								6.8	19.6						28		4.1						
22		0.757		1.123		1529				300		210		6.8	19.5		19		33		30		3.1				<0.1		
23		0.758		0.244		182																							
24		0.806		0.235		173																						<1.8	
25		0.776		0.640		1070								7.0	20.6						28		7.8						
26		0.758		1.130		1076								6.8	19.4						30		0.4						
27		0.767		1.072		987								6.7	19.3						34		2.3						
28		0.753		1.282		1295								6.8	19.0						30		4.5						
29		0.731		1.256		1299				290		230		6.9	19.3		20		34		32		4.1				<0.1		
30		0.733		0.763		540																							
31		0.790		0.760		542																							

MONTHLY TESTS			
DATE	TDS	AMMONIA	NITRATE
7/19/2016	300	40.0	ND
			BORON
			250

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

Quarterly Tests		Value in ug/l
Dichlorobromomethane		DNO
Bromoforn		ND
Chlorodibromomethane		ND
Chloroforn		DNO

30 DAY AVERAGE					ACUTE TOXICITY			CHRONIC TOXICITY			NFR	
BOD	BOD	BOD	% Removal	NFR	DATE	% Survival	TESTED	SURVIVAL	TESTED	SURVIVAL	% Removal	
17	140	95	32	265		N/A	Minnow	N/A	C. Dubia	N/A	88	
						N/A	Algae	N/A				

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

REMARKS:

Indicates Permit Exceedance

Total Coliform	
Monthly	
Median	<1.8
Daily	
Maximum	<1.8

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
EFFLUENT DISCHARGE DISPOSAL

JULY 2016

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	0.775	0.795	820	0.247		0.548				0.548	0.000
2	0.752	0.470	336	0.470						0.000	0.000
3	0.764	0.463	330	0.463						0.000	0.000
4	0.778	0.460	332	0.460						0.000	0.000
5	0.805	0.591	786	0.179		0.367		0.045		0.412	0.000
6	0.789	0.784	782			0.742		0.042		0.784	0.000
7	0.781	0.767	922			0.721		0.046		0.767	0.000
8	0.752	0.907	929	0.294		0.577		0.036		0.613	0.000
9	0.781	0.518	370	0.518						0.000	0.000
10	0.813	0.512	368	0.512						0.000	0.000
11	0.785	0.198	363			0.198				0.198	0.000
12	0.775	0.000	0	Washed CCB						0.000	0.000
13	0.774	0.571	1197			0.523		0.048		0.571	0.000
14	0.755	0.951	965			0.900		0.051		0.951	0.000
15	0.753	0.990	742	0.445		0.508		0.037		0.545	0.000
16	0.756	0.808	571	0.808						0.000	0.000
17	0.806	0.801	567	0.801						0.000	0.000
18	0.786	0.768	926	0.308		0.416		0.044		0.460	0.000
19	0.783	0.926	867			0.874		0.052		0.926	0.000
20	0.781	0.940	869			0.897		0.043		0.940	0.000
21	0.769	0.895	957			0.845		0.050		0.895	0.000
22	0.757	1.123	1529	0.142		0.981				0.981	0.000
23	0.758	0.244	182	0.244						0.000	0.000
24	0.806	0.235	173	0.235						0.000	0.000
25	0.776	0.640	1070	0.093		0.547				0.547	0.000
26	0.758	1.130	1076			1.065			0.065	1.130	0.000
27	0.767	1.072	987			0.828	0.082		0.162	1.072	0.000
28	0.753	1.282	1295			0.898	0.092	0.158	0.134	1.282	0.000
29	0.731	1.256	1299	0.397		0.576	0.032	0.159	0.092	0.859	0.000
30	0.733	0.763	540	0.763						0.000	0.000
31	0.790	0.760	542	0.760						0.000	0.000
TOTAL	23.942	22.620		8.139	0.000	13.011	0.206	0.811	0.453	14.481	0.000
AVERAGE	0.772	0.730	732	0.000	0.000	0.685	0.069	0.062	0.000	0.467	0.000
MAXIMUM	0.813	1.282	1529	0.808	0.000	1.065	0.092	0.159	0.162	1.282	0.000
MINIMUM	0.731	0.000	0	0.093	0.000	0.198	0.032	0.036	0.065	0.000	0.000
DAYS	31	30		19	0	19	3	13	4	19	0
DAYS WITH NO DISCHARGE = 1											