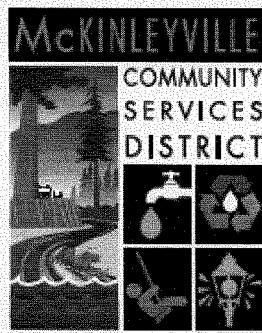


PHYSICAL ADDRESS:

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McKINLEYVILLE, CA 95519

MAILING ADDRESS:

P.O. BOX 2037
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R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

August 30, 2017

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for July 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 31 days to Discharge Points 002, 003, 004, 005, 006 and 007. 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 four weekly tests in July that represent five criteria. The BOD results for July are in compliance.

The requirement for TSS is 83 mg/L, for the monthly average with four 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 26. Five samples were collected in the month of July and were in compliance.

Monthly River Monitoring was conducted in July.

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 #2 while 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 will be running over on the completion date and now have projected to be completed by October 2017.

**McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL**

JULY 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	0.841	0.811	571		0.811					0.000	0.000
2	0.821	0.796	562		0.796					0.000	0.000
3	0.841	0.742	941		0.303	0.374			0.065	0.439	0.000
4	0.765	1.260	1029			1.191			0.069	1.260	0.000
5	0.783	1.366	1495			1.156	0.210			1.366	0.000
6	0.780	1.297	1276			1.163	0.042	0.030	0.062	1.297	0.000
7	0.776	1.132	1136		0.292	0.681	0.041	0.032	0.086	0.840	0.000
8	0.850	0.541	406		0.541					0.000	0.000
9	0.831	0.626	455		0.626					0.000	0.000
10	0.530	0.881	946		0.246	0.525		0.045	0.065	0.635	0.000
11	0.880	1.170	1076			1.025		0.048	0.097	1.170	0.000
12	0.876	1.311	1173			1.170	0.099	0.042		1.311	0.000
13	0.870	1.160	1167			1.008	0.112	0.040		1.160	0.000
14	0.871	0.874	1125		0.312	0.562				0.562	0.000
15	0.833	0.567	400		0.567					0.000	0.000
16	0.878	0.570	408		0.570					0.000	0.000
17	0.870	0.771	1202		0.208	0.409	0.103	0.051		0.563	0.000
18	1.095	0.884	820			0.746	0.085	0.053		0.884	0.000
19	0.690	0.872	871			0.735	0.088	0.049		0.872	0.000
20	0.842	0.846	876			0.647	0.082	0.050	0.067	0.846	0.000
21	0.841	0.789	770		0.281	0.392		0.044	0.072	0.508	0.000
22	0.843	0.510	360		0.510					0.000	0.000
23	0.846	0.507	357		0.507					0.000	0.000
24	0.849	0.680	1104		0.193	0.307		0.180		0.487	0.000
25	0.841	0.800	876			0.454	0.046	0.300		0.800	0.000
26	0.836	0.765	821			0.401	0.068	0.296		0.765	0.000
27	0.838	0.719	917			0.368	0.059	0.292		0.719	0.000
28	0.839	0.681	1075		0.225	0.239	0.052	0.165		0.456	0.000
29	0.836	0.408	288		0.408					0.000	0.000
30	0.851	0.404	288		0.404					0.000	0.000
31	0.852	0.611	897		0.155	0.336		0.120		0.456	0.000
TOTAL	25.795	25.351		0.000	7.955	13.889	1.087	1.837	0.583	17.396	0.000
AVERAGE	0.832	0.818	829	0.000	0.419	0.661	0.084	0.108	0.000	0.561	0.000
MAXIMUM	1.095	1.366	1495	0.000	0.811	1.191	0.210	0.300	0.097	1.366	0.000
MINIMUM	0.530	0.404	288	0.000	0.155	0.239	0.041	0.030	0.062	0.000	0.000
DAYS	31	31		0	19	21	13	17	8	21	0

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

YEAR: 2017

MONTH: JULY

DATE	INFLUENT FLOW M.G.D.		EFFLUENT FLOW M.G.D.		EFFLUENT MAXIMUM GPM		RIVER CFS		INFLUENT MONITORING B.O.D. mg/L		N.F.R. mg/L		(C°) TEMP		B.O.D. mg/L		NFR mg/L		AMMONIA		CL ₂ RES.		RIVER CL ₂ RES		SETTLABLE SOLIDS		3X5 TOTAL COLIFORM	
1	0.841	0.811		571																								
2	0.821	0.796		562																								
3	0.841	0.742		941																30		5.1						<1.8
4	0.765	1.260		1029																								
5	0.783	1.366		1495																28		2.9						
6	0.780	1.297		1276																30		3.3						
7	0.776	1.132		1136						360		330				10		20		32		3.1				<0.1		
8	0.850	0.541		406																								
9	0.831	0.626		455																								
10	0.530	0.881		946																30		6.7						26
11	0.880	1.170		1076																								
12	0.876	1.311		1173																28		5.3						
13	0.870	1.160		1167																30		6.4						
14	0.871	0.874		1125						230		160				21		24		28		9.0				<0.1		
15	0.833	0.567		400																								
16	0.878	0.570		408																								
17	0.870	0.771		1202																34		7.3						<1.8
18	1.095	0.884		820																32		3.1						
19	0.690	0.872		871																28		4						
20	0.842	0.846		876																32		3.6						
21	0.841	0.789		770						290		200				10		28		28		3.0				<0.1		
22	0.843	0.510		360																								
23	0.846	0.507		357																								
24	0.849	0.680		1104																30		7.8						<1.8
25	0.841	0.800		876																30		8.1						
26	0.836	0.765		821																30		4.8						
27	0.838	0.719		917																30		4.4						
28	0.839	0.681		1075						290		210				5.3		6.7		26		4.0				<0.1		
29	0.836	0.408		288																								
30	0.851	0.404		288																								
31	0.852	0.611		897																28		3.6						2

SPLILLS:

None to report

DATE	MONTHLY TESTS			
	TDS	AMMONIA	NITRATE	BORON
7/25/2017	240	28.0	ND	220

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
Bromomethane		N/A
Chlorodibromomethane		N/A
Chloroform		N/A

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	
	26