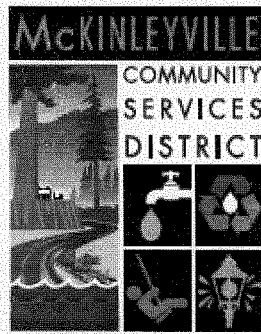


**PHYSICAL ADDRESS:**

1656 SUTTER ROAD  
McKINLEYVILLE, CA 95519

**MAILING ADDRESS:**

P.O. BOX 2037  
McKINLEYVILLE, CA 95519



mckinleyvillecsd.com

**MAIN OFFICE:**

PHONE: (707) 839-3251  
FAX: (707) 839-8456

**PARKS & RECREATION OFFICE:**

PHONE: (707) 839-9003  
FAX: (707) 839-5964

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

September 21, 2017

**RE: MONTHLY MONITORING REPORT**

Dear Justin:

Enclosed is the Monthly Monitoring Report for August 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, and 006. The required monitoring and water quality constituents that were tested and reported were in compliance in August 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 four weekly tests in August that represent five criteria. The BOD results for August are in compliance.

The requirement for TSS is 83 mg/L, for the monthly average with four weekly tests in August which represent one criteria. The TSS results for August 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 August 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 August are as follows. Median was <1.8 and a Maximum of 540. Four samples were collected in the month of August and were in compliance other than one weekly exceedance with a result of 540. Justin was notified by Greg Orsini of the exceedance. The exceedance was due to either collection or lab error. All other samples for the month were in compliance.

Monthly River Monitoring was conducted in August.

WWMF Upgrade Status: Clarifier "A" and "B" mechanical equipment is installed and running. The headworks and maintenance building are 98% completed. Piping from Mixed liquor to Aeration basin is installed along with running wire. Aquality is establishing aeration basin #1 and #2 while dialing in the plant. The 30-day acceptance test is in process. Staff training on new equipment is in process. Grading and paving is taking place. 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

AUGUST 2017

Discharge Monitoring				002	002	004	003	006	005	001	
	M-INF	M-001		M-003	M-003	M-005	M-004	M-007	M-006		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
1	0.850	0.728	871			0.391	0.088	0.249		0.728	0.000
2	0.860	0.770	861			0.437	0.082	0.251		0.770	0.000
3	0.838	0.919	869			0.434	0.086	0.243	0.156	0.919	0.000
4	0.838	0.602	1150		0.330	0.115	0.024	0.133		0.272	0.000
5	0.838	0.593	423		0.593					0.000	0.000
6	0.834	0.696	418		0.696					0.000	0.000
7	0.837	0.833	897		0.213	0.390	0.096	0.134		0.620	0.000
8	0.838	0.959	852			0.583	0.108	0.268		0.959	0.000
9	0.816	0.963	962			0.600	0.101	0.262		0.963	0.000
10	0.830	1.191	871			0.829	0.095	0.267		1.191	0.000
11	0.830	0.919	1184		0.680	0.119	0.035	0.085		0.239	0.000
12	0.830	0.777	872		0.777					0.000	0.000
13	0.847	0.646	550		0.646					0.000	0.000
14	0.838	0.895	1176		0.264	0.491		0.140		0.631	0.000
15	0.858	0.748	1050			0.366	0.112	0.270		0.748	0.000
16	0.807	0.772	937			0.283	0.104	0.265	0.120	0.772	0.000
17	0.825	0.570	1078			0.095	0.096	0.261	0.118	0.570	0.000
18	0.825	0.301	929		0.191	0.033	0.032	0.045		0.110	0.000
19	0.825	0.333	244		0.333					0.000	0.000
20	0.920	0.577	243		0.577					0.000	0.000
21	0.774	0.881	837		0.153	0.556	0.048	0.124		0.728	0.000
22	0.864	0.736	1137			0.498	0.098	0.140		0.736	0.000
23	0.834	0.766	788			0.663	0.103			0.766	0.000
24	0.859	0.766	1104			0.425	0.091	0.250		0.766	0.000
25	0.859	0.450	780		0.235	0.113	0.054	0.048		0.215	0.000
26	0.859	0.382	280		0.382					0.000	0.000
27	0.854	0.380	349		0.380					0.000	0.000
28	0.836	0.801	1070		0.801					0.000	0.000
29	0.838	0.955	1068		0.410	0.308	0.107	0.130		0.545	0.000
30	0.825	0.808	938			0.379	0.090	0.272	0.067	0.808	0.000
31	0.830	0.901	942			0.388	0.111	0.268	0.134	0.901	0.000
TOTAL	26.016	21.717		0.000	7.661	8.496	1.761	4.105	0.595	14.957	0.000
AVERAGE	0.840	0.724	826	0.000	0.451	0.386	0.084	0.195	0.000	0.482	0.000
MAXIMUM	0.920	1.191	1184	0.000	0.801	0.829	0.112	0.272	0.156	1.191	0.000
MINIMUM	0.774	0.301	243	0.000	0.153	0.033	0.024	0.045	0.067	0.000	0.000
DAYS	31	31		0	17	22	21	21	5	22	0
DAYS WITH NO DISCHARGE = 0											

McKinleyville Community Services District Wastewater Management Facility																			
Influent & Effluent Testing				pH, Temperature, Ammonia, CL <sub>2</sub> Res Settleable Solids, BOD, NFR =							pH, mg/L, ° C		AUGUST 2017						
INFLUENT				AMMONIA			UN-IONIZED			EFFLUENT			AMMONIA		UN-IONIZED			RIVER	
Date	pH	Temp	S.S	mg/L	NH3 (mg/L)	BOD	NFR	pH	Temp	D.O.	S.S.	mg/L	NH <sub>3</sub> (mg/L)	NTU	CL <sub>2</sub> Res	Coliform 3x5	BOD	NFR	
1	7.3	19.0		44.0	0.436			6.9	17.9	2.5		30.0	0.106	30.0	3.7	0.00			
2	7.3	18.8		30.0	0.294			6.8	18.8	5.4		28.0	0.089	30.0	4.6	0.00			
3	7.6	19.8		40.0	0.829			6.9	18.2	4.7		28.0	0.101	30.7	4.2	0.00			
4	7.7	20.1	20.0	50.0	1.373	350	280	7.1	18.3	5.3	<0.1	30.0	0.179	29.4	4.6	0.00	7.9	4.2	
5																0.00			
6																0.00			
7	7.8	20.0		50.0	1.673			7.0	18.8	5.0		28.0	0.122	34.8	4.3	0.00	<1.8		
8	7.4	19.7		46.0	0.576			6.9	19.0	5.4		26.0	0.099	32.7	5.6	0.00			
9	7.9	20.1		50.0	1.997			7.0	18.9	4.9		28.0	0.123	32.9	7.4	0.00			
10	7.8	20.3		48.0	1.641			7.1	19.4	5.3		30.0	0.194	29.1	9.0	0.00			
11	7.7	20.2	35.0	48.0	1.328	310	250	7.1	19.2	5.1	<0.1	26.0	0.165	27.2	8.9	0.00	11	6	
12																0.00			
13																0.00			
14	7.4	19.2		40.0	0.478			7.3	18	6.7		24.0	0.224	22.6	5.9	0.00	<1.8		
15	7.5	19.6		40.0	0.603			7.1	18.9	4.8		18.0	0.112	63.1	0.5	0.00			
16	7.3	19.5		44.0	0.456			7.1	19.1	5.0		18.0	0.113	68.5	0.5	0.00			
17	7.3	19.7		40.0	0.422			6.9	19.3	5.1		16.0	0.062	64.3	1.4	0.00			
18	7.2	19.5	14.0	40.0	0.337	290	240	6.7	19.0	4.7	<0.1	12.0	0.031	57.9	0.2	0.00	7.9	13	
19																0.00			
20																0.00			
21	7.4	20.0		48.0	0.617			6.8	18.4	4.2		8.0	0.024	62.0	1.5	0.00	540.0		
22	7.4	18.7		36.0	0.415			6.8	17.3	3.4		14.0	0.039	23.1	10.0	0.00			
23	7.8	19.7		50.0	1.637			7.1	16.9	5.2		12.0	0.065	20.2	5.4	0.00			
24	7.4	19.5		44.0	0.541			7.1	17.6	5.3		10.0	0.057	23.1	2.8	0.00			
25	7.5	19.4	30.0	44.0	0.620	350	160	7.3	19.2	5.2	<0.1	8.0	0.081	26.2	1.6	0.00	4.6	8.2	
26																0.00			
27																0.00			
28	7.8	20.6		46.0	1.607			6.9	17.6	5.3		6.0	0.021	29.0	6.3	0.00	<1.8		
29	8.2	20.2		50.0	4.116			6.9	17.7	6.1		9.0	0.031	30.9	6.0	0.00			
30	7.3	19.8		50.0	0.532			6.8	17.5	5.2		7.0	0.020	34.9	7.5	0.00			
31	7.4	19.5		20.0	0.246			7.0	18.0	5.0		8.0	0.033	34.1	5.0	0.00			
MEDIAN																			
Average	7.5	19.7	24.8	43.4	0.990	325	233	7.0	18.4	5.0	<0.1	18.4	0.091	36.4	4.6	0.0	7.9	7.9	
Maximum	8.2	20.6	35.0	50.0	4.116	350	280	7.3	19.4	6.7	<0.1	30.0	0.224	68.5	10.0	0.0	11.0	13.0	
Minimum	7.2	18.7	14.0	20.0	0.246	290	160	6.7	16.9	2.5	<0.1	6.0	0.020	20.2	0.2	0.0	4.6	4.2	