

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

October 24, 2016

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for September 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, and 006. The required monitoring and water quality constituents that were tested and reported were in compliance in September.

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 <1.8. Four samples were collected in the month of September and were in compliance.

Monthly River Monitoring was conducted in September.

WWMF Upgrade Status: Clarifier "A" was water tested and passed. Clarifier "B" is being water tested now. The headworks and maintenance building are 40% completed. The aeration basins 1 is completed and lined. Aeration basin 2 is still under construction. The biosolids basin is lined. 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
EFFLUENT DISCHARGE DISPOSAL**

SEPTEMBER 2016

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	EFFLUENT	MAXIMUM	N.POND	S.POND	FISCHER	FISCHER	PIALORSI	HILLER	IRRGATE
		MGD	MGD	GPM	MGD	MGD	MGD UPPER	MGD LOWER	MGD	MGD	TOTAL MGD
1	0.762	0.805	811			0.805				0.805	0.000
2	0.760	0.849	563	0.350		0.418	0.036	0.045		0.499	0.000
3	0.763	0.634	449	0.634						0.000	0.000
4	0.760	0.636	454	0.636						0.000	0.000
5	0.851	0.633	451	0.633						0.000	0.000
6	0.769	0.645	766	0.244		0.322	0.032	0.047		0.401	0.000
7	0.747	0.752	775			0.706		0.046		0.752	0.000
8	0.753	0.778	797			0.693	0.036	0.049		0.778	0.000
9	0.740	0.725	843	0.238		0.418	0.038	0.031		0.487	0.000
10	0.782	0.444	317	0.444						0.000	0.000
11	0.847	0.446	320	0.446						0.000	0.000
12	0.784	0.435	703	0.168		0.167	0.052	0.048		0.267	0.000
13	0.764	0.405	678			0.405				0.405	0.000
14	0.768	0.563	752			0.512		0.051		0.563	0.000
15	0.776	0.767	799			0.714		0.053		0.767	0.000
16	0.743	0.751	801	0.269		0.451		0.031		0.482	0.000
17	0.789	0.481	345	0.481						0.000	0.000
18	0.855	0.471	341	0.471						0.000	0.000
19	0.784	0.172	364	0.131				0.041		0.041	0.000
20	0.775	0.461	1130			0.461				0.461	0.000
21	0.767	1.237	1129			1.187		0.050		1.237	0.000
22	0.753	1.182	1119			1.081	0.049	0.052		1.182	0.000
23	0.739	1.164	1128	0.390		0.719		0.055		0.774	0.000
24	0.783	0.700	500	0.700						0.000	0.000
25	0.833	0.691	494	0.691						0.000	0.000
26	0.775	0.851	1023	0.252		0.550		0.049		0.599	0.000
27	0.766	1.097	1031			1.044		0.053		1.097	0.000
28	0.758	1.087	1016			1.029		0.058		1.087	0.000
29	0.762	1.035	977			0.978		0.057		1.035	0.000
30	0.739	0.828	905	0.271		0.505		0.052		0.557	0.000
TOTAL	23.247	21.725		7.449	0.000	13.165	0.243	0.868	0.000	14.276	0.000
AVERAGE	0.775	0.724	726	0.000	0.000	0.658	0.041	0.048	0.000	0.476	0.000
MAXIMUM	0.855	1.237	1130	0.700	0.000	1.187	0.052	0.058	0.000	1.237	0.000
MINIMUM	0.739	0.172	317	0.131	0.000	0.167	0.032	0.031	0.000	0.000	0.000
DAYS	30	30		18	0	20	6	18	0	21	0

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

YEAR: 2016

MONTH: SEPTEMBER

DATE	INFLUENT FLOW		EFFLUENT FLOW		RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING							3X5 TOTAL COLIFORM
	M.G.D.	M.G.D.	MAXIMUM GPM			B.O.D. mg/L	N.F.R. mg/L	pH	TEMP (C°)	B.O.D. mg/L	NFR mg/L	AMMONIA	CL ₂ RES.	RIVER CL ₂ RES	
1	0.762	0.805	811					6.7	18.5			26	3.1		
2	0.760	0.849	563			290	210	6.8	18.5	22	35	28	3.3		<0.1
3	0.763	0.634	449												
4	0.760	0.636	454												
5	0.851	0.633	451												
6	0.769	0.645	766					6.7	18.1			28	4.3		<1.8
7	0.747	0.752	775					6.8	18.1			28	5.0		
8	0.753	0.778	797					7.0	18.3			26	2.4		
9	0.740	0.725	843			320	250	6.8	18.0	23	31	26	2.7		<0.1
10	0.782	0.444	317												
11	0.847	0.446	320												
12	0.784	0.435	703					6.9	17.6			28	4.5		<1.8
13	0.764	0.405	678					6.9	17.5			30	4.6		
14	0.768	0.563	752					6.8	17.3			28	4.3		
15	0.776	0.767	799					6.7	17.1			30	3.6		
16	0.743	0.751	801			270	220	6.7	16.8	13	25	32	4.1		<0.1
17	0.789	0.481	345												
18	0.855	0.471	341												
19	0.784	0.172	364					6.8	17.6			30	3.3		<1.8
20	0.775	0.461	1130					6.9	17.6			32	0.2		
21	0.767	1.237	1129					6.7	17.0			30	2.6		
22	0.753	1.182	1119					6.9	17.2			30	5.2		
23	0.739	1.164	1128			290	200	7.0	16.9	15	29	30	1.5		<0.1
24	0.783	0.700	500												
25	0.833	0.691	494												
26	0.775	0.851	1023					6.8	17.5			32	5.6		<1.8
27	0.766	1.097	1031					6.8	17.3			30	4.5		
28	0.758	1.087	1016					6.8	17.3			32	4.6		
29	0.762	1.035	977					6.9	17.1			32	3.4		
30	0.739	0.828	905			240	250	6.9	16.8	20	38	32	3.4		<0.1

SPILLS:

None to report

MONTHLY TESTS

DATE	TDS	AMMONIA	NITRATE	BORON
9/30/2016	320	27.0	0.2	280

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
Bromochloromethane		N/A
Chlorodibromomethane		N/A
Chloroform		N/A

30 DAY AVERAGE

BOD mg/L	18	BOD LBS/DAY	129	BOD % Removal	94	NFR mg/L	30	NFR LBS/DAY	214	NFR % Removal	86
----------	----	-------------	-----	---------------	----	----------	----	-------------	-----	---------------	----

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	<1.8