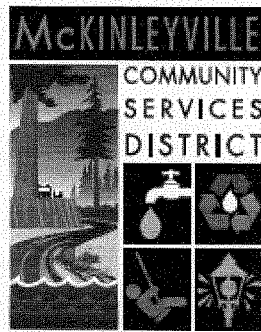


PHYSICAL ADDRESS:

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McKINLEYVILLE, CA 95519

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

November 16, 2016

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for October 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 31 days to Discharge Points 002, 004 and 006. The required monitoring and water quality constituents that were tested and reported were in compliance in October.

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

The requirement for TSS is 83 mg/L, for the monthly average with four weekly tests in October which represent one criteria. The TSS results for October 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 October 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. Five samples were collected in the month of October and were in compliance.

Monthly River Monitoring was conducted in October.

WWMF Upgrade Status: Clarifier "A" and "B" were water tested and passed. The headworks and maintenance building are 50% completed. The aeration basins 1 is completed and lined. Aeration basin 2 is still under construction. The biosolids basin is lined. The rain has slowed the project down a little. Backfilling around the clarifiers is in process. Weekly meetings 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.

Quarterly sampling was conducted in November.

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY EFFLUENT DISCHARGE DISPOSAL

OCTOBER 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	0.766	0.452	324	0.452						0.000	0.000
2	0.864	0.467	333	0.467						0.000	0.000
3	0.797	0.733	995	0.165		0.515		0.053		0.568	0.000
4	0.778	1.087	998			1.087				1.087	0.000
5	0.763	0.999	933			0.453		0.546		0.999	0.000
6	0.772	1.031	930			0.448		0.583		1.031	0.000
7	0.740	0.877	938	0.267		0.579		0.031		0.610	0.000
8	0.775	0.476	342	0.476						0.000	0.000
9	0.831	0.466	332	0.466						0.000	0.000
10	0.789	0.465	334	0.465						0.000	0.000
11	0.765	0.823	1147	0.170		0.620		0.033		0.653	0.000
12	0.754	1.294	1151			1.255		0.039		1.294	0.000
13	0.788	1.247	1127			1.200		0.047		1.247	0.000
14	0.817	1.207	1092	0.495		0.677		0.035		0.712	0.000
15	0.914	0.907	635	0.907						0.000	0.000
16	1.008	0.910	638	0.910						0.000	0.000
17	0.941	0.968	1062	0.325		0.643				0.643	0.000
18	0.858	1.248	1069			1.248				1.248	0.000
19	0.803	1.192	1069			1.192				1.192	0.000
20	0.793	1.195	1053			1.195				1.195	0.000
21	0.783	1.138	1049	0.430		0.708				0.708	0.000
22	0.827	0.778	551	0.778						0.000	0.000
23	0.874	0.784	566	0.784						0.000	0.000
24	0.893	1.007	1113	0.289		0.718				0.718	0.000
25	0.845	1.308	1103			1.308				1.308	0.000
26	0.811	1.234	1090			1.234				1.234	0.000
27	1.093	1.244	1042			1.244				1.244	0.000
28	0.935	1.075	1054	0.371						0.000	0.704
29	0.903	0.677	475	0.677						0.000	0.000
30	1.010	0.684	483	0.684						0.000	0.000
31	0.942	0.266	880	0.246		0.020				0.020	0.000
TOTAL	26.231	28.238		9.824	0.000	16.344	0.000	1.367	0.000	17.711	0.703
AVERAGE	0.846	0.911	836	0.000	0.000	0.860	0.000	0.171	0.000	0.571	0.023
MAXIMUM	1.093	1.308	1151	0.910	0.000	1.308	0.000	0.583	0.000	1.308	0.704
MINIMUM	0.740	0.266	324	0.165	0.000	0.020	0.000	0.031	0.000	0.000	0.000
DAYS	31	31		20	0	19	0	8	0	19	0
DAYS WITH NO DISCHARGE = 0											

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

YEAR: 2016

MONTH: OCTOBER

DATE	INFLUENT FLOW MG.D.	EFFLUENT FLOW MG.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	N.F.R. mg/L	AMMONIA	CL ₂ RES.	RIVER CL ₂ RES	SETTLABLE SOLIDS	3X5 TOTAL COLIFORM
1	0.766	0.452	324											
2	0.864	0.467	333											
3	0.797	0.733	995							30	2.6			<1.8
4	0.778	1.087	998							30	1.3			
5	0.763	0.999	933							32	3.2			
6	0.772	1.031	930							32	3.6			
7	0.740	0.877	938		270	290		20	39	30	3.9		<0.1	
8	0.775	0.476	342											
9	0.831	0.466	332											
10	0.789	0.465	334											
11	0.765	0.823	1147							32	2.5			<1.8
12	0.754	1.294	1151							32	0.8			
13	0.788	1.247	1127							32	3.7			
14	0.817	1.207	1092		250	220		19	35	30	4.6		<0.1	
15	0.914	0.907	635											
16	1.008	0.910	638											
17	0.941	0.968	1062							28	2.4			<1.8
18	0.858	1.248	1069							32	0.9			
19	0.803	1.192	1069							30	2.2			
20	0.793	1.195	1053							30	2.4			
21	0.783	1.138	1049		260	480		19	37	26	1.8		<0.1	
22	0.827	0.778	551											
23	0.874	0.784	566											
24	0.893	1.007	1113							28	3.0			<1.8
25	0.845	1.308	1103							32	1.7			
26	0.811	1.234	1090							28	2.5			
27	1.093	1.244	1042							28	2.5			
28	0.935	1.075	1054		200	220		23	31	28	1.8		<0.1	
29	0.903	0.677	475											
30	1.010	0.684	483											
31	0.942	0.266	880							32	1.9			<1.8

SPILLS:

None to report

DATE	TDS	AMMONIA	NITRATE	BORON
10/31/2016	280	28.0	ND	250

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	ND
Bromomethane	ND
Chlorodibromomethane	ND
Chloroform	0.93

30 DAY AVERAGE

BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
20	181	92	36	317	87

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

Total Coliform

Monthly
MEDIAN
<1.8

Daily
Maximum
<1.8

SIGNATURE: _____

REMARKS:

Indicates Permit Exceedance