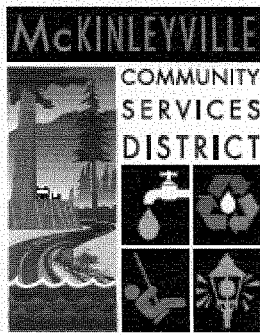


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R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

May 22, 2015

RE: MONTHLY MONITORING REPORT

Dear Charles:

Enclosed is the Monthly Monitoring Report for April 2015 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 29 days to Discharge Point 001 and one day to Discharge Point 002. The required monitoring and water quality constituents that were tested and reported were in compliance in April. The District ceased discharge to Discharge Point 001 on April 30, 2015.

The requirement for BOD is 45 mg/L, 604 lbs/day and 65 % removal for the monthly average with four weekly tests in April that represent eleven criteria. The BOD results for April are in compliance.

The requirement for TSS is 83 mg/L, 1108 lbs/day and 65% removal for the monthly average with four weekly tests in April which represent three criteria. The TSS results for April 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 April 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 April are as follows. Median was <1.8 and a Maximum of 2.0. Four samples were collected in the month of April and were in compliance.

Monthly River Monitoring was conducted in April.

Acute testing for March was conducted using Rainbow Trout and C.Dubia. Rainbow Trout had a 95% survival and C.Dubia had a 90% survival.

WWMF Upgrade Status: Engineers reviewed the Final Bid Set comments that the District provided and will be conducting a phone conference in the next two weeks.

Quarterly Testing for Monitoring Wells and Disinfection Byproducts was conducted in April.

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

MONTH: APRIL

YEAR: 2015

DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING		(C°)		EFFLUENT MONITORING				3X5 TOTAL COLIFORM		
					B.O.D. mg/L	N.F.R. mg/L	pH	TEMP	B.O.D. mg/L	NFR mg/L	AMMONIA	CL ₂ RES.	CL ₂ RES	SETTLABLE SOLIDS	
1	0.923	1.056	923	448			7.3	15.7			32	3.5	0.00		
2	0.920	0.896	637	416			7.1	14.5			36	2.3	0.00		
3	0.900	0.898	636	397	400	360	6.9	14.3	11	12	40	3.4	0.00	<0.1	
4	0.921	0.898	649	376			6.8	14.2				4.0	0.00		
5	0.967	0.903	647	374			6.9	14.3				2.6	0.00		
6	0.959	0.550	668	418			6.9	16.1			34	4.2	0.00		
7	1.078	0.000	0	964			Washed CCB								<1.8
8	0.966	0.774	878	1370			6.8	13.8			32	2.7	0.00		
9	0.949	1.126	822	972			6.8	13.6			34	3.7	0.00		
10	0.923	1.082	759	768	300	320	6.8	14.3	10	7.2	32	8.0	0.00	<0.1	
11	0.933	1.084	765	641			7.0	14.8				2.7	0.00		
12	1.006	1.083	768	621			7.0	14.1				2.1	0.00		
13	0.956	1.080	765	548			6.9	14.0			34	0.9	0.00		<1.8
14	0.942	1.081	772	621			6.9	13.9			34	3.2	0.00		
15	0.929	1.067	762	539			6.9	13.9			34	1.9	0.00		
16	0.909	1.059	755	479			7.0	14.2			32	1.0	0.00		
17	0.887	1.063	751	446	260	280	6.9	14.8	12	8	36	1.7	0.00	<0.1	
18	0.896	1.060	753	418			6.8	15.3				2.4	0.00		
19	0.955	1.058	755	392			6.9	16.0				2.6	0.00		
20	0.905	1.056	745	374			6.9	15.6			36	2.2	0.00		2
21	0.879	1.052	747	356			7.0	15.5			34	2.5	0.00		
22	0.876	1.034	734	353			6.9	15.2			34	0.5	0.00		
23	0.886	1.012	726	341			6.9	15.0			34	2.2	0.00		
24	0.866	0.793	590	331	280	520	7.0	15.2	13	16	36	8.7	0.00	<0.1	
25	0.868	0.866	619	329			6.8	15.2				3.7	0.00		
26	0.917	0.876	621	336			7.0	15.4				4.0	0.00		
27	0.873	0.883	625	317			6.9	15.5			38	0.1	0.00		
28	0.845	0.887	628	300			6.9	16.1			36	0.3	0.00		<1.8
29	0.841	0.885	626	273			6.9	16.3			32	1.4	0.00		
30	0.839	0.733	628	247			6.8	15.9			32	0.8	0.00		

SPLLS:

None to report

MONTHLY TESTS				
DATE	TDS	AMMONIA	NITRATE	BORON
4/30/2015	240	35.0	ND	210

30 DAY AVERAGE

BOD	BOD	BOD	NFR	NFR	NFR
mg/L	LBS/DAY	% Removal	mg/L	LBS/DAY	% Removal
12	91	96	11	83	97

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

Quarterly Tests		Value in ugi
Dichlorobromomethane		DNQ
Bromoform		DNQ
Chlorodibromomethane		ND
Chloroform		0.89

Rainbow Trout
C. dubia

ACUTE TOXICITY	
DATE	% Survival
4/6/2015	95%
	90%

SIGNATURE: _____

REMARKS:

Indicates Permit Exceedance

CHRONIC TOXICITY	
TESTED	SURVIVAL
Minnow	N/A
C. Dubia	N/A
Algae	N/A
	TLc

Total Coliform	
Monthly	MEDIAN
<1.8	
Daily	Maximum
2	

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

APRIL 2015

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	0.923	1.056	923							0.000	1.056
2	0.920	0.896	637							0.000	0.896
3	0.900	0.898	636							0.000	0.898
4	0.921	0.898	649							0.000	0.898
5	0.967	0.903	647							0.000	0.903
6	0.959	0.550	668							0.000	0.550
7	1.078	0.000	0	Washed CCB						0.000	0.000
8	0.966	0.774	878							0.000	0.774
9	0.949	1.126	822							0.000	1.126
10	0.923	1.082	759							0.000	1.082
11	0.933	1.084	765							0.000	1.084
12	1.006	1.083	768							0.000	1.083
13	0.956	1.080	765							0.000	1.080
14	0.942	1.081	772							0.000	1.081
15	0.929	1.067	762							0.000	1.067
16	0.909	1.059	755							0.000	1.059
17	0.887	1.063	751							0.000	1.063
18	0.896	1.060	753							0.000	1.060
19	0.955	1.058	755							0.000	1.058
20	0.905	1.056	745							0.000	1.056
21	0.879	1.052	747							0.000	1.052
22	0.876	1.034	734							0.000	1.034
23	0.886	1.012	726							0.000	1.012
24	0.866	0.793	590							0.000	0.793
25	0.868	0.866	619							0.000	0.866
26	0.917	0.876	621							0.000	0.876
27	0.873	0.883	625							0.000	0.883
28	0.845	0.887	628							0.000	0.887
29	0.841	0.885	626							0.000	0.885
30	0.839	0.733	628	0.224						0.000	0.509
TOTAL	27.514	27.895		0.224	0.000	0.000	0.000	0.000	0.000	0.000	27.671
AVERAGE	0.917	0.930	692	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.922
MAXIMUM	1.078	1.126	923	0.224	0.000	0.000	0.000	0.000	0.000	0.000	1.126
MINIMUM	0.839	0.000	0	0.224	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DAYS	30	29		1	0	0	0	0	0	0	29
DAYS WITH NO DISCHARGE = 1											