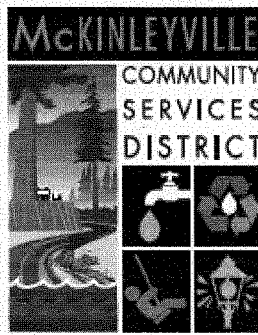


PHYSICAL ADDRESS:

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McKINLEYVILLE, CA 95519

MAILING ADDRESS:

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PHONE: (707) 839-9003
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R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

April 18, 2016

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for March 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 Point 001. The required monitoring and water quality constituents that were tested and reported were in compliance in March.

The requirement for BOD is 45 mg/L, 604 lbs/day and 65% removal for the monthly average with four weekly tests in March that represent eleven criteria. The BOD results for March 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 March which represent three criteria. The TSS results for March 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 March 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 March are as follows. Median was <1.8 and a Maximum of 2. Four samples were collected in the month of March and were in compliance.

Monthly River Monitoring was conducted in March.

Acute testing for December was conducted using Rainbow Trout and C.Dubia. Rainbow Trout had a 100% survival and C.Dubia had a 100% survival.

WWMF Upgrade Status: The Contractors have shown up and started breaking ground on the construction. They are in the process of excavating the clarifier locations and have installed dewatering wells. 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

MARCH 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 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	1.045	1.122	797							0.000	1.122
2	1.035	1.113	796							0.000	1.113
3	1.033	1.104	778							0.000	1.104
4	0.998	1.096	772							0.000	1.096
5	1.214	1.087	762							0.000	1.087
6	1.379	1.059	756							0.000	1.059
7	1.228	0.428	771							0.000	0.428
8	1.151	0.000	0	Washed CCB						0.000	0.000
9	1.187	0.635	775							0.000	0.635
10	1.328	1.022	723							0.000	1.022
11	1.272	1.225	984							0.000	1.225
12	1.405	1.400	987							0.000	1.400
13	1.534	1.366	969							0.000	1.366
14	1.411	1.275	952							0.000	1.275
15	1.352	1.690	1397							0.000	1.690
16	1.285	1.740	1407							0.000	1.740
17	1.252	1.410	1001							0.000	1.410
18	1.185	1.560	1201							0.000	1.560
19	1.210	1.723	1205							0.000	1.723
20	1.270	1.638	1281							0.000	1.638
21	1.396	1.714	1211							0.000	1.714
22	1.447	1.169	1189							0.000	1.169
23	1.345	0.845	881							0.000	0.845
24	1.280	1.225	863							0.000	1.225
25	1.232	1.416	1251							0.000	1.416
26	1.257	1.594	1120							0.000	1.594
27	1.289	1.608	1132							0.000	1.608
28	1.214	1.424	1154							0.000	1.424
29	1.165	1.253	895							0.000	1.253
30	1.129	1.241	882							0.000	1.241
31	1.097	1.210	867							0.000	1.210
TOTAL	38.625	38.392		0.000	0.000	0.000	0.000	0.000	0.000	0.000	38.392
AVERAGE	1.246	1.238	960	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.238
MAXIMUM	1.534	1.740	1407	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.740
MINIMUM	0.998	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DAYS	31	30		0	0	0	0	0	0	0	30
DAYS WITH NO DISCHARGE = 1											

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
RIVER CFS - EFFLUENT FLOWS -

M-004

RIVER DILUTION

M-005

M-006

March 2016

DATE	M-INF INFLUENT MGD	M-001 EFFLUENT MGD	EFFLUENT MAXIMUM GPM	M-003 PERK PONDS MGD	M-007 IRRIGATE MGD	M-002 RIVER MGD	RIVER DILUTION 100:1	MAXIMUM G.P.M. DISCHARGE FOR 100:1	RIVER FLOW IN CFS	RIVER FLOW IN GPS
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1	1.045	1.122	797			1.122	653	5207	1160	8678
2	1.035	1.113	796			1.113	778	6194	1380	10324
3	1.033	1.104	778			1.104	888	6912	1540	11521
4	0.998	1.096	772			1.096	1093	8439	1880	14064
5	1.214	1.087	762			1.087	931	7092	1580	11820
6	1.379	1.059	756			1.059	9678	73164	16300	121940
7	1.228	0.428	771			0.428	6055	46681	10400	77802
8	1.151	0.000	0	ashed CCB		0.000	0	32363	7210	53938
9	1.187	0.635	775			0.635	3151	24418	5440	40697
10	1.328	1.022	723			1.022	4824	34876	7770	58127
11	1.272	1.225	984			1.225	4698	46233	10300	77054
12	1.405	1.400	987			1.400	3524	34787	7750	57978
13	1.534	1.366	969			1.366	4725	45784	10200	76306
14	1.411	1.275	952			1.275	10231	97403	21700	162338
15	1.352	1.690	1397			1.690	4209	58801	13100	98001
16	1.285	1.740	1407			1.740	2721	38288	8530	63813
17	1.252	1.410	1001			1.410	2843	28458	6340	47430
18	1.185	1.560	1201			1.560	1917	23027	5130	38378
19	1.210	1.723	1205			1.723	1609	19391	4320	32318
20	1.270	1.638	1281			1.638	1286	16473	3670	27455
21	1.396	1.714	1211			1.714	1609	19481	4340	32468
22	1.447	1.169	1189			1.169	3424	40712	9070	67853
23	1.345	0.845	881			0.845	3857	33979	7570	56631
24	1.280	1.225	863			1.225	2933	25316	5640	42193
25	1.232	1.416	1251			1.416	1733	21680	4830	36133
26	1.257	1.594	1120			1.594	1619	18134	4040	30223
27	1.289	1.608	1132			1.608	1435	16249	3620	27081
28	1.214	1.424	1154			1.424	1252	14453	3220	24089
29	1.165	1.253	895			1.253	1409	12613	2810	21022
30	1.129	1.241	882			1.241	1252	11042	2460	18403
31	1.097	1.21	867			1.210	1108	9606	2140	16009

TOTAL	38.625	38.392		0.000	0.000	38.392				
AVERAGE	1.246	1.238	960	0.000	0.000	1.238	2821	28298	6305	47164
MAXIMUM	1.534	1.740	1407	0.000	0.000	1.740	10231	97403	21700	162338
MINIMUM	0.998	0.000	0	0.000	0.000	0.000	0	5207	1160	8678
DAYS	31	31	31	0	0					

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

YEAR: 2016

MONTH: MARCH

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	PH	TEMP (C°)	B.O.D. mg/L	NFR mg/L	AMMONIA	CL ₂ RES.	RIVER CL ₂ RES.	SETTLABLE SOLIDS	3X5 TOTAL COLIFORM
1	1.045	1.122	797	1160			7.1	12.6			28	3.4	0.00		
2	1.035	1.113	796	1380			7.1	12.8			28	3.4	0.00		
3	1.033	1.104	778	1540			7.0	13.7			26	2.8	0.00		
4	0.998	1.096	772	1880	180		6.9	13.9	28	21	28	2.6	0.00	<0.1	
5	1.214	1.087	762	1580			6.9	14.2				3.2	0.00		
6	1.379	1.059	756	16300			7.1	13.8				3.5	0.00		
7	1.228	0.428	771	10400			7.1	12.6			28	2.7	0.00		2.0
8	1.151	0.000	0	7210			Washed CCB								
9	1.187	0.635	775	5440			7.0	13.1			28	2.3	0.00		
10	1.328	1.022	723	7770			6.9	13.6			28	2.4	0.00		
11	1.272	1.225	984	10300	210	150	6.8	13.8	15	10	28	4.2	0.00	<0.1	
12	1.405	1.400	987	7750			6.8	12.9				5.5	0.00		
13	1.534	1.366	969	10200			6.9	12.7				3.6	0.00		
14	1.411	1.275	952	21700			6.9	12.5			26	2.9	0.00		<1.8
15	1.352	1.690	1397	13100			7.1	12.3			28	3.1	0.00		
16	1.285	1.740	1407	8530			7.0	12.5			28	2.4	0.00		
17	1.252	1.410	1001	6340			7.0	13.3			24	1.5	0.00		
18	1.185	1.560	1201	5130	130	160	6.9	14.0	27	13	26	1.1	0.00	<0.1	
19	1.210	1.723	1205	4320			6.8	14.5				1.3	0.00		
20	1.270	1.638	1281	3670			6.9	14.8				1.7	0.00		
21	1.396	1.714	1211	4340			6.8	14.6			28	2.1	0.00		<1.8
22	1.447	1.169	1189	9070			7.0	13.9			26	2.1	0.00		
23	1.345	0.845	881	7570			7.6	14.5			30	2.0	0.00		
24	1.280	1.225	863	5640			7.5	15.0			26	2.1	0.00		
25	1.232	1.416	1251	4830	260	230	7.3	14.6	21	21	28	2.5	0.00	<0.1	
26	1.257	1.594	1120	4040			6.9	14				2.8	0.00		
27	1.289	1.608	1132	3620			7	14.3				4.6	0.00		
28	1.214	1.424	1154	3220			7.0	13.9			26	4.5	0.00		<1.8
29	1.165	1.253	895	2810			7.2	13.7			26	3.5	0.00		
30	1.129	1.241	882	2460			7.2	13.8			24	4.8	0.00		
31	1.097	1.210	867	2140			6.8	14.4			26	4.0	0.00		

SPILLS:

None to report

DATE	TDS	AMMONIA	NITRATE	BORON
3/31/2016	220	28.0	ND	180

MONTHLY TESTS

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

30 DAY AVERAGE

BOD mg/L 23

BOD mg/L 23

BOD LBS/DAY 252

BOD mg/L 16

NFR LBS/DAY 178

NFR % Removal 91

ACUTE TOXICITY

DATE	% Survival
3/2/2016	100%
3/2/2016	100%

Rainbow Trout
C. dubia

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

Total Coliform	Monthly
MEDIAN	<1.8
Daily	
Maximum	2

SIGNATURE:

REMARKS:

Indicates Permit Exceedance