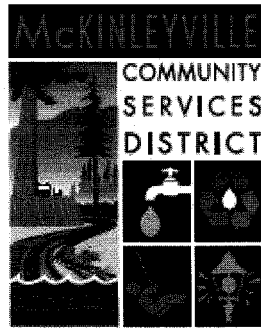


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R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

October 21, 2020

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for September 2020 for McKinleyville Community Services District Wastewater Management Facilities WDID NO. 1B82084OHUM, operating under Order Number R1-2018-0032.

The normal discharge of effluent was 30 days going to 002, 003, 004 and 006. The required monitoring and water quality constituents that were tested and reported was in compliance in September.

Effluent Limitations Parameters	Units	Average Monthly	Average Weekly	Avg. % Removal	Max Daily	Instant Max	Instant Min	Results
Monitoring Location EFF- 001								
BOD	mg/L	30	45	>85				Compliance
TSS	Mg/L	30	45	>85				Compliance
PH	s.u.					6.5	8.5	Compliance
Settleable Solids	ml/L	0.1			0.2			Compliance
Chlorine Total Residual	mg/L	0.1			0.2			Compliance
Carbon Tetrachloride	ug/L	.25			.75			N/A
Ammonia Impact Ratio	mg/L	1.0			1.0			N/A
Dichlorobromomethane	ug/L	.56			1.4			N/A
Monitoring Location LND-001, REC-001								
Nitrate		10						Compliance
PH		6.0- 9.0	6.0 - 9.0					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 240. The reported results for the month of August are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of September and was in compliance.

Monthly River Monitoring was conducted in September.

MCKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: September 2020

DATE	EFFLUENT FLOW		EFFLUENT MAXIMUM GPM	RIVER CH5	RIVER DURATION	INFLUENT MONITORING		EFFLUENT MONITORING				SETTLABLE SOLIDS		TOTAL COLIFORMS		RSW-001			RSW-002				
	M.G.D.	M.G.D.				B.O.D. mg/L	TSS mg/L	CL RES	TSS mg/L	CL RES	RIVER CL RES	PH	(C°) TEMP	mg/L	mg/L	mg/L	mg/L	PH	TIME	PH	TEMP	TIME	PH
1	0.837	0.839	1092	N/A	N/A			3.0	N/A	7.2	17.9					14:30	7.6	19.9	9.0	14:45	8.0	19.9	10.4
2	0.843	0.835	1093	N/A	N/A			2.8	N/A	7.1	18.2												
3	0.857	0.829	1083	N/A	N/A			3.0	N/A	7.1	18.1												
4	0.851	0.668	1552	N/A	N/A	360		1.2	4.9	7.0	18.3		<0.1										
5	0.865	0.340	560	N/A	N/A			0.7	N/A	7.1	18.1												
6	0.860	0.342	587	N/A	N/A			4.7	N/A	7.1	17.7												
7	0.933	0.341	599	N/A	N/A			4.6	N/A	7.2	17.6												
8	0.956	0.747	1104	N/A	N/A			4.9	N/A	7.2	17.2			<1.8									
9	0.935	0.845	1080	N/A	N/A			3.2	N/A	7.3	18.3					8:20	7.1	17.8	8.5	8:30	7.2	17.0	7.5
10	0.829	0.828	1080	N/A	N/A			3.6	N/A	7.2	18.1												
11	0.832	0.571	884	N/A	N/A	380		1.4	7.3	7.1	17.6		<0.1										
12	0.865	0.529	673	N/A	N/A			3.3	N/A	7.1	17.1												
13	0.893	0.528	681	N/A	N/A			2.7	N/A	7.2	16.7												
14	0.836	0.946	1202	N/A	N/A			3.0	N/A	7.2	16.8			<1.8									
15	0.835	0.988	1302	N/A	N/A			2.9	N/A	7.2	17.8												
16	0.833	0.940	1253	N/A	N/A			2.7	N/A	7.0	19.6					14:00	7.5	22.6	9.3	14:10	8.0	22.7	10.4
17	0.828	0.923	2448	N/A	N/A			2.8	N/A	7.0	18.8												
18	0.814	0.763	2356	N/A	N/A	380		4.5	3.0	6.7	15.5		<0.1										
19	0.841	0.715	804	N/A	N/A			0.9	N/A	7.0	18.4												
20	0.881	0.715	727	N/A	N/A			0.7	N/A	7.0	18.4												
21	0.846	0.974	1332	N/A	N/A			1.6	N/A	7.1	18.8			<1.8									
22	0.823	0.889	1250	N/A	N/A			1.4	N/A	6.9	18.6					8:20	7.5	19.6	8.2	8:30	7.4	19.1	6.8
23	0.820	0.755	2024	N/A	N/A			1.2	N/A	7.0	19.1												
24	0.834	0.829	1101	N/A	N/A			1.1	N/A	6.9	19.7												
25	0.818	0.790	1152	N/A	N/A	390		1.0	4.9	7.1	19.1		<0.1										
26	0.849	0.765	765	N/A	N/A			3.2	N/A	7.0	19.2												
27	0.884	0.761	789	N/A	N/A			3.1	N/A	7.1	19.0												
28	0.849	1.060	1400	N/A	N/A			4.1	N/A	7.1	19.2												
29	0.851	0.831	1034	N/A	N/A			3.7	N/A	7.0	18.5			<1.8									
30	0.865	0.825	1037	N/A	N/A			4.5	N/A	7.2	19.0												

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Nitrogen	Ammonia	Nitrate	Hardness	Phosphate	Phosphorus	Bio Phosphate	Carbon Tetrachloride	Dichlorobromomethane	Dichlorobromomethane	Turnidity % Increase
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

MONTHLY TESTS LND-001, REC-001 DISCHARGE TO PERC PONDS and LAND												
Crude Nitrogen	TDS	AMMONIA	NITRATE/NITRITE	SCDIUM CHLORIDE/BORON	Quantity Tests	Value in ug/l						
1.40	360	ND	0.42	ND	43	54	260					

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER											
ACUTE TOXICITY			BOD & TSS			30 DAY AVERAGE			TSS		
Date	Species	% Survival	BOD mg/L	TSS mg/L	BOD LBS/DAY	TSS LBS/DAY	Removal %	BOD mg/L	TSS mg/L	BOD LBS/DAY	TSS LBS/DAY
	Rainbow Trout	N/A	5	5	31	99	99	2	2	10	10

MONTHLY RIVER RSW-001											
TDS	Hardness	Ammonia	Conductivity	Turbidity	TSS	Hardness	Ammonia	Conductivity	Turbidity	MONTHLY RIVER RSW-002	
100	120	ND	212	0.3	2306	450	ND	570	0.5		

MONTHLY RIVER RSW-001											
ACUTE TOXICITY			BOD & TSS			30 DAY AVERAGE			TSS		
Date	Species	% Survival	BOD mg/L	TSS mg/L	BOD LBS/DAY	TSS LBS/DAY	Removal %	BOD mg/L	TSS mg/L	BOD LBS/DAY	TSS LBS/DAY
	Rainbow Trout	N/A	5	5	31	99	99	2	2	10	10

Signature: _____

Remarks: _____

EFF-001
REC-001
Quarterly
Permit Exceedance

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

September 2020

Discharge Monitoring	002 LND-001	002 LND-001	004 REC-001	003 REC-001	006 REC-001	005 REC-001	001 EFF-001				
DATE	INF-001 INFLUENT MGD	EFF-001 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	0.837	0.839	1092			0.684	0.101	0.054		0.839	0.000
2	0.843	0.835	1093			0.608	0.151	0.076		0.835	0.000
3	0.857	0.829	1083			0.593	0.158	0.078		0.829	0.000
4	0.851	0.668	1552	0.169		0.400	0.067	0.032		0.499	0.000
5	0.865	0.340	560	0.340						0.000	0.000
6	0.860	0.342	587	0.342						0.000	0.000
7	0.933	0.341	599	0.341						0.000	0.000
8	0.956	0.747	1104	0.142		0.383	0.147	0.075		0.605	0.000
9	0.935	0.845	1080			0.620	0.152	0.073		0.845	0.000
10	0.829	0.828	1080			0.602	0.155	0.071		0.828	0.000
11	0.832	0.571	884	0.285		0.222	0.043	0.021		0.286	0.000
12	0.865	0.529	673	0.529						0.000	0.000
13	0.893	0.528	681	0.528						0.000	0.000
14	0.836	0.946	1202	0.237		0.476	0.161	0.072		0.709	0.000
15	0.835	0.988	1302			0.717	0.187	0.084		0.988	0.000
16	0.833	0.940	1253			0.657	0.202	0.081		0.940	0.000
17	0.828	0.923	2448			0.656	0.195	0.072		0.923	0.000
18	0.814	0.763	2356	0.373		0.268	0.090	0.032		0.390	0.000
19	0.841	0.715	804	0.715						0.000	0.000
20	0.881	0.715	727	0.715						0.000	0.000
21	0.846	0.974	1332	0.268		0.422	0.206	0.078		0.706	0.000
22	0.823	0.889	1250			0.644	0.180	0.065		0.889	0.000
23	0.820	0.755	2024			0.587	0.125	0.043		0.755	0.000
24	0.834	0.829	1101			0.691	0.089	0.049		0.829	0.000
25	0.818	0.790	1152	0.414		0.298	0.051	0.027		0.376	0.000
26	0.849	0.765	765	0.765						0.000	0.000
27	0.884	0.761	789	0.761						0.000	0.000
28	0.849	1.060	1400	0.287		0.465	0.212	0.096		0.773	0.000
29	0.851	0.831	1034			0.629		0.202		0.831	0.000
30	0.865	0.825	1037			0.617		0.208		0.825	0.000
TOTAL	25.663	22.711		7.211	0.000	11.239	2.672	1.589	0.000	15.500	0.000
AVERAGE	0.855	0.757	1135	0.000	0.000	0.535	0.141	0.076	0.000	0.517	0.000
MAXIMUM	0.956	1.060	2448	0.765	0.000	0.717	0.212	0.208	0.000	0.988	0.000
MINIMUM	0.814	0.340	560	0.142	0.000	0.222	0.043	0.021	0.000	0.000	0.000
DAYS	30	30		17	0	21	19	21	0	21	0

DAYS WITH NO DISCHARGE = 0