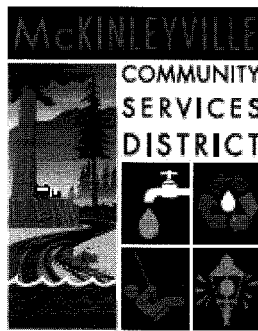


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R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

November 19, 2020

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for October 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 31 days going to 002, 003, 004 and 006. The required monitoring and water quality constituents that were tested and reported was in compliance in October.

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 October are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of October and was in compliance.

Monthly River Monitoring was conducted in October.

Due to River being low and CFS being low, the moving water is on the opposite side of the riverbank than our sampling location RSW-002. The sampling location is back-water that's sitting there stagnant with algae growing which spikes the TDS and Hardness sample results.

MCKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: October 2020

DATE	EFFLUENT MONITORING			EFFLUENT MONITORING			EFFLUENT MONITORING			EFFLUENT MONITORING			EFFLUENT MONITORING			EFFLUENT MONITORING		
	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	
1	0.858	0.890	1214	N/A	N/A	N/A	7.3	17.8	3.2	N/A								
2	0.857	0.716	952	N/A	N/A	N/A	6.9	17.8	4.1	1.2	3.0	N/A						
3	0.869	0.688	713	N/A	N/A	N/A	7.2	18.0	3.1	N/A								
4	0.917	0.686	757	N/A	N/A	N/A	7.2	17.8	3.3	N/A								
5	0.879	0.903	1178	N/A	N/A	N/A	7.3	17.3	3.4	N/A				1530	7.6	21.3	8.5	
6	0.867	0.842	1063	N/A	N/A	N/A	7.3	17.2	3.1	N/A								
7	0.848	0.828	1046	N/A	N/A	N/A	7.2	17.5	3.2	N/A								
8	0.852	0.897	1170	N/A	N/A	N/A	7.2	17.2	3.4	N/A								
9	0.851	0.809	1034	N/A	N/A	N/A	7.0	17.2	8.0	1.0	2.8	N/A						
10	0.896	0.817	832	N/A	N/A	N/A	7.2	17.8	2.8	N/A								
11	0.920	0.815	797	N/A	N/A	N/A	7.0	17.1	2.5	N/A								
12	0.893	0.813	805	N/A	N/A	N/A	7.2	17.7	3.2	N/A								
13	0.869	0.961	1210	N/A	N/A	N/A	7.2	17.8	2.6	N/A				1340	7.5	20.2	8.9	
14	0.870	0.807	1034	N/A	N/A	N/A	7.2	17.7	2.1	N/A								
15	0.851	0.801	1037	N/A	N/A	N/A	7.1	17.3	2.0	N/A								
16	0.846	0.691	776	N/A	N/A	N/A	7.2	17.0	6.0	1.2	2.4	N/A						
17	0.877	0.760	906	N/A	N/A	N/A	7.1	17.2	0.8	N/A								
18	0.905	0.758	840	N/A	N/A	N/A	7.0	16.8	3.6	N/A								
19	0.880	0.855	1093	N/A	N/A	N/A	7.0	16.8	3.3	N/A								
20	0.854	0.805	1096	N/A	N/A	N/A	7.2	16.1	2.5	N/A								
21	0.859	0.822	1077	N/A	N/A	N/A	7.2	16.7	3.1	N/A				830	7.3	16.4	8.6	
22	0.853	0.844	1143	N/A	N/A	N/A	7.3	16.3	2.9	N/A								
23	0.849	0.700	844	N/A	N/A	N/A	7.3	15.5	5.4	1.0	2.9	N/A						
24	0.866	0.667	798	N/A	N/A	N/A	7.1	16.1	3.2	N/A								
25	0.914	0.668	764	N/A	N/A	N/A	7.1	15.7	3.0	N/A								
26	0.872	0.832	1115	N/A	N/A	N/A	7.3	15.3	2.9	N/A								
27	0.851	0.775	1031	N/A	N/A	N/A	7.3	15.2	2.4	N/A								
28	0.855	0.786	1049	N/A	N/A	N/A	7.2	15.1	2.2	N/A								
29	0.842	0.848	1122	N/A	N/A	N/A	7.2	15.1	3.0	N/A								
30	0.847	0.686	985	N/A	N/A	N/A	7.2	14.9	5.9	1.0	2.8	N/A						
31	0.869	0.613	781	N/A	N/A	N/A	7.2	14.7	2.7	N/A								

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Nitrate	Ammonia Nitrite	Phosphorus	Bio Phosphate	Chlorine	Chloride	Chlorobromomethane	Dichlorobromomethane	Turbidity	% Increase
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									
Organic Phosphorus	TDS	Ammonia Nitrate	Nitrite	Ammonia Nitrogen	Ammonia Nitrogen	Ammonia Nitrogen	Ammonia Nitrogen	Ammonia Nitrogen	Ammonia Nitrogen
1.10	270	ND	0.55	ND	45	58	260	ND	1.4

MONTHLY TESTS RSW-001									
TSS	Hardness	Ammonia Nitrogen	Ammonia Nitrogen	Ammonia Nitrogen	Ammonia Nitrogen	Ammonia Nitrogen	Ammonia Nitrogen	Ammonia Nitrogen	Ammonia Nitrogen
140	120	ND	162	6.67	6300	1300	ND	1504	1.4

MONTHLY TESTS RSW-002									
BOD	BOD	BOD	BOD	BOD	BOD	BOD	BOD	BOD	BOD
6	36	98	1	7	100	EFF-001	REC-001	Quarterly	Permit Exceedance

Remarks: River is low and flow not moving & water at RSW-02 stagnant and a lot of algae

Signature: _____

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

OCTOBER 2020

Discharge Monitoring DATE	002 INF-001 INFLUENT MGD	002 EFF-001 EFFLUENT MGD	002 LND-001 MAXIMUM GPM	002 LND-001 N.POND MGD	002 LND-001 S.POND MGD	004 REC-001 FISCHER MGD UPPER	003 REC-001 FISCHER MGD LOWER	006 REC-001 PIALORSI MGD	005 REC-001 HILLER MGD	IRRGATE TOTAL MGD	001 EFF-001 RIVER MGD
1	0.858	0.890	1214			0.603	0.081	0.206		0.890	0.000
2	0.857	0.716	952	0.372		0.267		0.077		0.344	0.000
3	0.869	0.688	713	0.688						0.000	0.000
4	0.917	0.686	757	0.686						0.000	0.000
5	0.879	0.903	1178	0.243		0.423	0.055	0.182		0.660	0.000
6	0.867	0.842	1063			0.698		0.144		0.842	0.000
7	0.848	0.828	1046			0.657		0.171		0.828	0.000
8	0.852	0.897	1170			0.674	0.038	0.185		0.897	0.000
9	0.851	0.809	1034	0.442		0.317		0.050		0.367	0.000
10	0.896	0.817	832	0.817						0.000	0.000
11	0.920	0.815	797	0.815						0.000	0.000
12	0.893	0.813	805	0.813						0.000	0.000
13	0.869	0.961	1210	0.289		0.440	0.072	0.160		0.672	0.000
14	0.870	0.807	1034			0.629		0.178		0.807	0.000
15	0.851	0.801	1037			0.648		0.153		0.801	0.000
16	0.846	0.691	776	0.411		0.280				0.280	0.000
17	0.877	0.760	906	0.760						0.000	0.000
18	0.905	0.758	840	0.758						0.000	0.000
19	0.880	0.855	1093	0.297		0.367	0.019	0.172		0.558	0.000
20	0.854	0.805	1096			0.565	0.038	0.202		0.805	0.000
21	0.859	0.822	1077			0.575	0.042	0.205		0.822	0.000
22	0.853	0.844	1143			0.620	0.045	0.179		0.844	0.000
23	0.849	0.700	844	0.347		0.353				0.353	0.000
24	0.866	0.667	798	0.667						0.000	0.000
25	0.914	0.668	764	0.668						0.000	0.000
26	0.872	0.832	1115	0.264		0.348	0.039	0.181		0.568	0.000
27	0.851	0.775	1031			0.590		0.185		0.775	0.000
28	0.855	0.786	1049			0.604		0.182		0.786	0.000
29	0.842	0.848	1122			0.632	0.040	0.176		0.848	0.000
30	0.847	0.686	985	0.319		0.314		0.053		0.367	0.000
31	0.869	0.613	781	0.613						0.000	0.000
TOTAL	26.078	24.383		10.269	0.000	10.604	0.469	3.041	0.000	14.114	0.000
AVERAGE	0.869	0.787	976	0.000	0.000	0.505	0.000	0.000	0.000	0.455	0.000
MAXIMUM	0.920	0.961	1214	0.817	0.000	0.698	0.081	0.206	0.000	0.897	0.000
MINIMUM	0.842	0.613	713	0.243	0.000	0.267	0.019	0.050	0.000	0.000	0.000
DAYS	31	31		19	0	21	10	19	0	21	0
DAYS WITH NO DISCHARGE = 0											