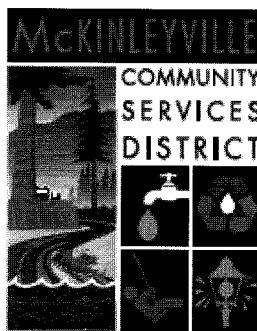


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McKINLEYVILLE, CA 95519**MAILING ADDRESS:**P.O. BOX 2037
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FAX: (707) 839-5964R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

April 23, 2021

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for March 2021 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 001. The required monitoring and water quality constituents that were tested and reported was in compliance in March.

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			Compliance
Ammonia Impact Ratio	mg/L	1.0			1.0			Compliance
Dichlorobromomethane	ug/L	.56			1.4			Compliance
Monitoring Location LND-001, REC-001								
Nitrate		10						N/A
PH		6.0- 9.0	6.0 - 9.0					N/A

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 March are as follows. Median was <1.8 and a Maximum of 2.0. Five samples were collected in the month of March and was in compliance.

Acute Toxicity Percent Survival. Minimum for any bioassay is 70% survival. Median for three or more consecutive bioassays at least 90% survival. Acute results were 100% and TST Pass for Rainbow trout.

Monthly River Monitoring was conducted in March.

MCKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: March 2021

DATE	INFLUENT			EFFLUENT			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.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	Flow M.G.D.	
1	1.004	1.265	1244	1330	480																	
2	0.988	1.263	1283	1190	416																	
3	0.959	1.263	1246	1070	385																	
4	0.945	1.243	1324	994	337																	
5	1.051	0.810	1105	908	369	360	290	7.2	13.9	5.2	3.6	1.6	0.00	<0.1								
6	1.185	0.802	867	2850	1475																	
7	1.163	0.860	981	1820	833																	
8	1.091	0.961	926	1470	713																	
9	1.094	1.087	982	1390	635																	
10	1.093	1.195	1153	2150	837																	
11	1.047	1.293	1272	1940	685																	
12	1.031	1.372	1305	1660	571	300	240	7.2	13.0	4.6	3.4	1.4	0.00	<0.1								
13	1.036	1.428	1373	1560	510																	
14	1.035	1.285	1370	1460	478																	
15	1.073	1.392	1361	2330	768																	
16	1.018	1.297	1346	1950	650																	
17	0.999	1.067	1202	1730	646																	
18	0.984	0.818	991	1580	716																	
19	0.975	0.812	919	2250	1099	230	180	7.1	13.8	6.6	4.8	1.9	0.00	<0.1								
20	1.045	0.878	891	2620	1320																	
21	1.076	0.959	923	2460	1196																	
22	1.005	1.042	991	2090	947																	
23	0.989	1.110	1391	1900	613																	
24	0.967	1.181	1231	1650	602																	
25	0.956	1.057	1230	1490	544																	
26	0.944	1.050	1207	1340	498	380	180	7.3	13.5	4.8	3.6	1.8	0.00	<0.1								
27	0.949	0.819	1004	1200	536																	
28	0.977	0.813	838	1110	595																	
29	0.935	0.325	1016	1040	459																	
30	0.920	0.000	0	969																		
31	0.913	0.468	1006	916	409																	

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrite	Nitrate	Hardness	Phosphorus	Bicarbonate	Carbon Tetrachloride	Chlorobromobenzene	Dichlorobromobenzene	Turbidity % Increase
0.08	1.20	1.9	98	5.7	ND	ND	ND	ND	DMC 27	N/A

MONTHLY TESTS LND-001, REC-001 DISCHARGE TO PERC PONDS and LAND											
Organic Nitrogen	TSS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON	Cyanide	Iron	Vanadium	Vanadium
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER														
Date	ASBESTOS TOXICITY Species	Rainbow Trout	TST Pass/Fail	Pass	BOD & TSS			30 DAY AVERAGE			BOD & TSS			
					BOD mg/L	TSS mg/L	% Removal	BOD mg/L	TSS mg/L	% Removal	BOD mg/L	TSS mg/L	% Removal	
3/4/2021					5	98	33	5	98	4	24	98	98	98

MONTHLY RIVER RSW-001											
TSS	Hardness	Ammonia	Conductivity	pH	BOD	TSS	BOD	TSS	BOD	TSS	TSS
85	84	ND	103	7.5	5	98	33	5	98	4	24

MONTHLY RIVER RSW-002											
TSS	Hardness	Ammonia	Conductivity	pH	BOD	TSS	BOD	TSS	BOD	TSS	TSS
85	84	ND	103	7.5	5	98	33	5	98	4	24

Remarks: Discrepancy with CFS due to USGS making major changes w/ meter

Signature: _____

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

MARCH 2021

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 MGD	EFF-001 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	1.004	1.265	1244							0.000	1.265
2	0.988	1.263	1283							0.000	1.263
3	0.959	1.263	1246							0.000	1.263
4	0.945	1.243	1324							0.000	1.243
5	1.051	0.810	1105							0.000	0.810
6	1.185	0.802	867							0.000	0.802
7	1.163	0.860	981							0.000	0.860
8	1.091	0.961	926							0.000	0.961
9	1.094	1.087	982							0.000	1.087
10	1.093	1.195	1153							0.000	1.195
11	1.047	1.293	1272							0.000	1.293
12	1.031	1.372	1305							0.000	1.372
13	1.036	1.428	1373							0.000	1.428
14	1.035	1.285	1370							0.000	1.285
15	1.073	1.392	1361							0.000	1.392
16	1.018	1.297	1346							0.000	1.297
17	0.999	1.067	1202							0.000	1.067
18	0.984	0.818	991							0.000	0.818
19	0.975	0.812	919							0.000	0.812
20	1.045	0.878	891							0.000	0.878
21	1.076	0.959	923							0.000	0.959
22	1.005	1.042	991							0.000	1.042
23	0.989	1.110	1391							0.000	1.110
24	0.967	1.181	1231							0.000	1.181
25	0.956	1.057	1230							0.000	1.057
26	0.944	1.050	1207							0.000	1.050
27	0.949	0.819	1004							0.000	0.819
28	0.977	0.813	838							0.000	0.813
29	0.935	0.325	1016							0.000	0.325
30	0.920	0.000	0			No Discharge				0.000	0.000
31	0.913	0.468	1006							0.000	0.468
TOTAL	31.447	31.215		0.000	0.000	0.000	0.000	0.000	0.000	0.000	31.215
AVERAGE	1.014	1.007	1096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.007
MAXIMUM	1.185	1.428	1391	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.428
MINIMUM	0.913	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
LBS/ACRE						0	0	0	0		
DAYS WITH NO DISCHARGE = 1											