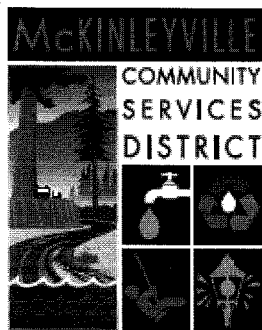


**PHYSICAL ADDRESS:**1656 SUTTER ROAD  
McKINLEYVILLE, CA 95519**MAILING ADDRESS:**P.O. BOX 2037  
McKINLEYVILLE, CA 95519

mckinleyvillecsd.com

**MAIN OFFICE:**PHONE: (707) 839-3251  
FAX: (707) 839-8456**PARKS & RECREATION OFFICE:**PHONE: (707) 839-9003  
FAX: (707) 839-5964R.W.Q.C.B. NORTH COAST REGION  
5550 SKYLANE BLVD., SUITE A  
SANTA ROSA, CA 95403

December 21, 2020

**RE: MONTHLY MONITORING REPORT**

Dear Justin:

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

The normal discharge of effluent was 29 days going to 002, 003, 004 and 006. The required monitoring and water quality constituents that were tested and reported was in compliance in November.

Effluent Limitations Parameters	Units	Average Monthly	Average Weekly	Avg. % Removal	Max Daily	Instant Max	Instant Min	Results
<b>Monitoring Location EFF- 001</b>								
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
<b>Monitoring Location LND-001, REC-001</b>								
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 November are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of November and was in compliance.

Monthly River Monitoring was conducted in November.

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: November 2020

DATE	INFLUENT FLOW		EFFLUENT FLOW		EFFLUENT MAXIMUM		EFFLUENT RIVER		EFFLUENT RIVER		EFFLUENT MONITORING		EFFLUENT MONITORING		EFFLUENT MONITORING		EFFLUENT MONITORING		EFFLUENT MONITORING		
	M.G.D.	GPM	M.G.D.	GPM	BOD	TSS	CHLORIDE	PH	TEMP	BOD	TSS	CL RES	CL RES	RIVER	CL RES	CL RES	SETTLABLE SOLIDS	TOTAL COLIFORMS	TIME	PH	TEMP
1	0.923	0.625	741	N/A	N/A	N/A	N/A	7.2	14.4			2.5	N/A								
2	0.878	0.216	701	N/A	N/A	N/A	N/A	7.2	13.6			2.2	N/A					<1.8	13:35	6.9	14.9
3	0.849	0.000	0	N/A	N/A	N/A	N/A					NO DISCHARGE									
4	0.861	0.627	1319	N/A	N/A	N/A	N/A	7.0	16.5			2.7	N/A								
5	0.862	0.949	1219	N/A	N/A	N/A	N/A	7.0	14.9			2.8	N/A								
6	0.881	0.738	1059	N/A	N/A	N/A	N/A	7.0	15.1	330	310	6.3	1.2	6.3	1.2	<0.1					
7	0.884	0.624	809	N/A	N/A	N/A	N/A	7.3	14.2			2.4	N/A								
8	0.923	0.614	774	N/A	N/A	N/A	N/A	7.3	13.7			2.6	N/A								
9	0.875	0.809	1232	N/A	N/A	N/A	N/A	7.3	13.7			1.7	N/A				<1.8				
10	0.852	0.786	1093	N/A	N/A	N/A	N/A	7.3	13.1			1.7	N/A					11:10	6.9	13.4	11.0
11	0.881	0.656	802	N/A	N/A	N/A	N/A	7.2	13.1			1.7	N/A								
12	0.852	0.844	1157	N/A	N/A	N/A	N/A	7.3	14.1			1.7	N/A								
13	0.861	0.687	1099	N/A	N/A	N/A	N/A	7.3	13.4	360	290	4.9	1.0	1.7	N/A	<0.1					
14	0.881	0.681	829	N/A	N/A	N/A	N/A	7.1	13.3			2.0	N/A								
15	0.928	0.677	849	N/A	N/A	N/A	N/A	7.3	13.4			1.8	N/A								
16	0.879	0.852	1166	N/A	N/A	N/A	N/A	7.2	14.0			1.6	N/A				<1.8				
17	0.901	0.718	928	N/A	N/A	N/A	N/A	7.2	14.5			1.8	N/A					15:30	7.2	15.4	10.1
18	0.905	0.858	1097	N/A	N/A	N/A	N/A	7.3	15.3			1.7	N/A								
19	0.885	0.878	1197	N/A	N/A	N/A	N/A	7.2	14.2			1.4	N/A								
20	0.863	0.607	1007	N/A	N/A	N/A	N/A	7.2	13.0	270	290	3.1	ND	1.4	N/A	<0.1					
21	0.878	0.869	921	N/A	N/A	N/A	N/A	7.2	13.2			2.3	N/A								
22	0.914	0.862	945	N/A	N/A	N/A	N/A	7.2	13.2			2.2	N/A								
23	0.897	0.829	1073	N/A	N/A	N/A	N/A	7.1	13.1			2.1	N/A								
24	0.884	0.802	1189	N/A	N/A	N/A	N/A	7.2	12.2			1.0	N/A					11:27	6.8	10.9	11.4
25	0.920	0.669	1046	N/A	N/A	N/A	N/A	7.1	11.9	370	320	4.9	1.4	1.0	N/A	<0.1					
26	0.941	0.601	836	N/A	N/A	N/A	N/A	7.3	11.8			1.2	N/A								
27	0.853	0.661	858	N/A	N/A	N/A	N/A	7.3	12.0			1.2	N/A								
28	0.871	0.657	880	N/A	N/A	N/A	N/A	7.2	11.9			1.0	N/A								
29	0.925	0.651	816	N/A	N/A	N/A	N/A	7.3	11.6			1.8	N/A								
30	0.891	0.859	1170	N/A	N/A	N/A	N/A	7.3	11.9			1.8	N/A								

## MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Nitrite	Hardness	Phosphorus	Bis Phosphate	Carbon Tetrachloride	Chlorobromomethane	Dichlorobromomethane	Turbidity	% Increase
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 LND-001, REC-001 DISCHARGE TO PERC PONDS and LAND																	
Organic Nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	IRON	TDS	Ammonia	Turbidity	Conductivity						
1.10	280	ND	1.1	ND	45	51	270	130	1.0	ND	206	0.5	5200	910	ND	1260	0.5

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER											
Date	ACUTE TOXICITY	Species	% Survival	Quantity Tests	Value (ppm)	BOD	TSS	BOD	TSS	BOD	TSS
		Rainbow Trout	N/A			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						30 DAY AVERAGE	30 DAY AVERAGE	30 DAY AVERAGE	30 DAY AVERAGE	30 DAY AVERAGE	30 DAY AVERAGE
						5	5	5	5	5	5
						99	99	99	99	99	99
						1	1	1	1	1	1
						27	27	27	27	27	27
						5	5	5	5	5	5
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY
						% Removal	% Removal	% Removal	% Removal	% Removal	% Removal
						5	5	5	5	5	5
						99	99	99	99	99	99
						1	1	1	1	1	1
						27	27	27	27	27	27
						5	5	5	5	5	5
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY
						% Removal	% Removal	% Removal	% Removal	% Removal	% Removal
						5	5	5	5	5	5
						99	99	99	99	99	99
						1	1	1	1	1	1
						27	27	27	27	27	27
						5	5	5	5	5	5
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY
						% Removal	% Removal	% Removal	% Removal	% Removal	% Removal
						5	5	5	5	5	5
						99	99	99	99	99	99
						1	1	1	1	1	1
						27	27	27	27	27	27
						5	5	5	5	5	5
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY
						% Removal	% Removal	% Removal	% Removal	% Removal	% Removal
						5	5	5	5	5	5
						99	99	99	99	99	99
						1	1	1	1	1	1
						27	27	27	27	27	27
						5	5	5	5	5	5
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY
						% Removal	% Removal	% Removal	% Removal	% Removal	% Removal
						5	5	5	5	5	5
						99	99	99	99	99	99
						1	1	1	1	1	1
						27	27	27	27	27	27
						5	5	5	5	5	5
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY
						% Removal	% Removal	% Removal	% Removal	% Removal	% Removal
						5	5	5	5	5	5
						99	99	99	99	99	99
						1	1	1	1	1	1
						27	27	27	27	27	27
						5	5	5	5	5	5
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY
						% Removal	% Removal	% Removal	% Removal	% Removal	% Removal
						5	5	5	5	5	5
						99	99	99	99	99	99
						1	1	1	1	1	1
						27	27	27	27	27	27
						5	5	5	5	5	5
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY
						% Removal	% Removal	% Removal	% Removal	% Removal	% Removal
						5	5	5	5	5	5
						99	99	99	99	99	99
						1	1	1	1	1	1
						27	27	27	27	27	27
						5	5	5	5	5	5
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY
						% Removal	% Removal	% Removal	% Removal	% Removal	% Removal
						5	5	5	5	5	5
						99	99	99	99	99	99
						1	1	1	1	1	1
						27	27	27	27	27	27
						5	5	5	5	5	5
						mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
						LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY	LBS/DAY
						% Removal	% Removal				

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
EFFLUENT DISCHARGE DISPOSAL

NOVEMBER 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 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	0.923	0.625	741	0.625						0.000	0.000
2	0.878	0.216	701	0.216						0.000	0.000
3	0.849	0.000	0			No Discharge				0.000	0.000
4	0.861	0.627	1319			0.495		0.132		0.627	0.000
5	0.862	0.949	1219			0.722	0.055	0.172		0.949	0.000
6	0.881	0.738	1059	0.338		0.324		0.076		0.400	0.000
7	0.884	0.624	809	0.624						0.000	0.000
8	0.923	0.614	774	0.614						0.000	0.000
9	0.875	0.809	1232	0.252		0.361	0.047	0.149		0.557	0.000
10	0.852	0.786	1093			0.631		0.155		0.786	0.000
11	0.881	0.656	802			0.656				0.656	0.000
12	0.852	0.844	1157			0.638	0.048	0.158		0.844	0.000
13	0.861	0.687	1099	0.369		0.318				0.318	0.000
14	0.881	0.681	829	0.681						0.000	0.000
15	0.928	0.677	849	0.677						0.000	0.000
16	0.879	0.852	1166	0.283		0.355	0.051	0.163		0.569	0.000
17	0.901	0.718	928			0.693		0.025		0.718	0.000
18	0.905	0.858	1097			0.707		0.151		0.858	0.000
19	0.885	0.878	1197			0.674	0.049	0.155		0.878	0.000
20	0.863	0.607	1007	0.470		0.084		0.053		0.137	0.000
21	0.878	0.869	921	0.869						0.000	0.000
22	0.914	0.862	945	0.862						0.000	0.000
23	0.897	0.829	1073	0.434		0.269		0.126		0.395	0.000
24	0.884	0.802	1189			0.585	0.051	0.166		0.802	0.000
25	0.920	0.669	1046	0.263		0.304		0.102		0.406	0.000
26	0.941	0.601	836	0.601						0.000	0.000
27	0.853	0.661	858	0.661						0.000	0.000
28	0.871	0.657	880	0.657						0.000	0.000
29	0.925	0.651	816	0.651						0.000	0.000
30	0.891	0.859	1170	0.225		0.411	0.055	0.168		0.634	0.000
TOTAL	26.598	20.906		10.372	0.000	8.227	0.356	1.951	0.000	10.534	0.000
AVERAGE	0.887	0.697	960	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAXIMUM	0.941	0.949	1319	0.869	0.000	0.722	0.055	0.172	0.000	0.949	0.000
MINIMUM	0.849	0.000	0	0.216	0.000	0.000	0.047	0.025	0.000	0.000	0.000
DAYS	30	29	29	20	0	17	7	15	0	17	0
LBS/ACRE						1.013	0.147	0.018	0.000		

DAYS WITH NO DISCHARGE = 1