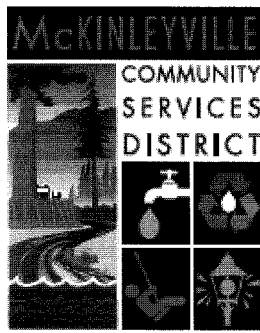


**PHYSICAL ADDRESS:**

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) 839-5964

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

February 14, 2022

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for January 2022 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 January.

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			Compliance
Ammonia Impact Ratio	mg/L	1.0			1.0			Compliance
Dichlorobromomethane	ug/L	.56			1.4			Compliance
<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 January are as follows. Median was <1.8 and a Maximum of 13. Five samples were collected in the month of January and was in compliance.

Monthly River Monitoring was conducted in January.

Discharged to river in January.

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.

Chronic Toxicity of Effluent to Fathead Minnow resulted in a Pass for both survival and growth endpoints.

Monitoring for Bis Phthalate at EFF-001 was not conducted in January due to lab error (lab forgot to run the sample). See Attached Letter from Basic Lab. Justin was notified on 2/15/2022 when District learned of error by the lab.

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

**JANUARY 2022**

Discharge Monitoring	002	002	004	003	006	005	001				
	M-INF	M-001	LND-001	LND-001	REC-001	REC-001	REC-001	REC-001	EFF-001		
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	RIVER MGD
1	0.946	1.025	939							0.000	1.025
2	1.000	1.020	965							0.000	1.020
3	1.005	1.016	981							0.000	1.016
4	1.112	0.997	993							0.000	0.997
5	1.090	1.246	1465							0.000	1.246
6	1.064	1.379	1698							0.000	1.379
7	1.109	1.348	1206							0.000	1.348
8	1.089	1.350	1226							0.000	1.350
9	1.091	1.358	1366							0.000	1.358
10	1.005	0.746	1456							0.000	0.746
11	0.974	0.000	0							0.000	0.000
12	0.966	0.621	926							0.000	0.621
13	0.933	1.098	1032							0.000	1.098
14	0.912	1.290	1164							0.000	1.290
15	0.928	1.329	1351							0.000	1.329
16	0.954	1.374	1460							0.000	1.374
17	0.967	1.306	1274							0.000	1.306
18	0.902	1.153	1410							0.000	1.153
19	0.884	1.053	975							0.000	1.053
20	0.874	1.046	1002							0.000	1.046
21	0.871	1.049	1004							0.000	1.049
22	0.892	1.045	1053							0.000	1.045
23	0.937	1.048	1102							0.000	1.048
24	0.881	1.050	1156							0.000	1.050
25	0.862	1.054	1083							0.000	1.054
26	0.877	1.047	990							0.000	1.047
27	0.848	1.047	981							0.000	1.047
28	0.841	1.049	1093							0.000	1.049
29	0.867	1.047	1022							0.000	1.047
30	0.925	1.046	1042							0.000	1.046
31	0.863	1.052	1100							0.000	1.052
<b>TOTAL</b>	<b>29.469</b>	<b>33.289</b>		<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>33.289</b>
<b>AVERAGE</b>	<b>0.951</b>	<b>1.074</b>	<b>1113</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.074</b>
<b>MAXIMUM</b>	<b>1.112</b>	<b>1.379</b>	<b>1698</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>1.379</b>
<b>MINIMUM</b>	<b>0.841</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>
<b>DAYS</b>	<b>31</b>	<b>30</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>

DAYS WITH NO DISCHARGE = 1

# MCKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: January 2022

DATE	INFLUENT FLOW			EFFLUENT MAXIMUM		EFFLUENT MONITORING RIVER		EFFLUENT MONITORING RIVER				SETTLABLE SOLIDS			TOTAL COLIFORM			RSW-001			RSW-002				
	Flow MGD	Ammonia	Nitrate	Flow MGD	Ammonia	Nitrate	River CFS	Dilution	BOD mg/L	SS mg/L	Temp (C)	pH	CL RES	CL RES	TSS mg/L	Temp (C)	pH	TIME	PH	TEMP	D.O.	TIME	PH	TEMP	D.O.
1	0.946	1.025	939	2210	1056			6.9	10.9			1.7	0.00												
2	1.000	1.020	965	1920	893			6.9	10.4			1.7	0.00												
3	1.005	1.016	981	1740	796			7.0	13.0			1.5	0.00				15:30	6.7	11.7	11.1	15:45	6.8	11.8	11.2	
4	1.112	0.997	993	8700	3933			7.1	12.9			1.8	0.00												
5	1.090	1.246	1465	10200	3125			6.9	11.6			1.8	0.00												
6	1.064	1.379	1698	8240	2178			7.0	13.4			2.1	0.00												
7	1.109	1.348	1206	7240	2695			7.0	12.9			1.4	0.00												
8	1.089	1.350	1226	8170	2991			7.2	11.8			1.8	0.00												
9	1.091	1.358	1366	5990	1968			7.2	11.0			1.5	0.00												
10	1.005	0.746	1456	4910	1514			7.1	12.1			1.5	0.00												
11	0.974	0.000	0	4120	N/A							No Discharge													
12	0.966	0.621	926	3670	1779			7.1	13.4			1.4	0.00												
13	0.933	1.098	1032	3230	1405			7.1	12.8			2.1	0.00												
14	0.912	1.290	1164	3000	1157			7.2	12.2			1.8	0.00												
15	0.928	1.329	1351	2610	867			7.1	11.9			1.9	0.00												
16	0.954	1.374	1460	2230	686			7.1	12.0			1.7	0.00												
17	0.967	1.306	1274	1930	680			7.1	11.8			1.9	0.00												
18	0.902	1.153	1410	1700	541			7.0	12.1			2.1	0.00												
19	0.884	1.053	975	1500	691			7.0	11.8			2.1	0.00												
20	0.874	1.046	1002	1330	596			7.1	12.5			2.0	0.00												
21	0.871	1.049	1004	1220	545			7.2	11.8			2.0	0.00												
22	0.892	1.045	1053	1110	473			7.0	12.8			1.7	0.00												
23	0.937	1.048	1102	977	398			7.0	12.8			1.8	0.00												
24	0.881	1.050	1156	920	357			7.0	13.5			1.6	0.00												
25	0.862	1.054	1083	858	356			7.2	12.6			1.7	0.00												
26	0.877	1.047	990	774	351			7.2	13.1			1.4	0.00												
27	0.848	1.047	981	715	327			7.1	12.1			1.8	0.00												
28	0.841	1.049	1093	666	274			7.1	11.7			1.8	0.00												
29	0.867	1.047	1022	511	224			7.0	11.9			1.3	0.00												
30	0.925	1.046	1042	417	180			6.9	11.8			2.4	0.00												
31	0.863	1.052	1100	400	163			6.9	13.0			1.5	0.00												

## MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Nitrite	Ortho Phosphate	Phosphates	Ris Phosphate Lab Error	Copper Tetrahydro	Cadmium/Bismuth/Lead	Dichlorodimethylamine	Dichlorotriaminomethane	Turbidity % Inflow
0.07	1.10	130	95	5.50		ND	ND	ND	ND	DNQ 29	N/A

## MONTHLY TESTS LND-001, REC-001 DISCHARGE TO PERC PONDS and LAND

Organic Nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SGDIUM CHLORIDE/BORON	Quarterly Tests Value in mg/l
N/A	N/A	N/A	N/A	N/A	N/A	Ammonia: 1.7 Nitrate: 1.7 Nitrite: 1.7 SGDIUM CHLORIDE/BORON: 1.7

ACUTE TOXICITY		BOD & TSS		BOD		BOD		BOD		TSS		TSS	
Date	Species	Pass/Fail	30 DAY AVERAGE	mg/L	% Removal	LBS/DAY	% Removal	LBS/DAY	% Removal	LBS/DAY	% Removal	LBS/DAY	% Removal
10/2022	Rainbow Trout	Pass	1.7	1	100	7	100	1	100	1	100	1	100

MONTHLY RIVER RSW-001		MONTHLY RIVER RSW-002	
TSS Inflow	Ammonia Concentration	TSS Inflow	Ammonia Concentration
59	ND	59	ND

MONTHLY RIVER RSW-001		MONTHLY RIVER RSW-002	
TSS Inflow	Ammonia Concentration	TSS Inflow	Ammonia Concentration
59	ND	59	ND

Remarks: Lab forgot to run the sample. Notified Justin and added it to cover letter along with letter from Basic Lab.