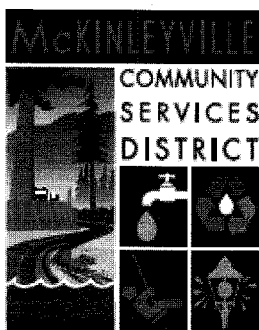


**PHYSICAL ADDRESS:**1656 SUTTER ROAD  
McKINLEYVILLE, CA 95519**MAILING ADDRESS:**P.O. BOX 2037  
McKINLEYVILLE, CA 95519

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

September 23, 2020

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for August 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 August.

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

Monthly River Monitoring was conducted in August.

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

August 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	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	0.824	0.519	640	0.519						0.000	0.000	
2	0.868	0.518	605	0.518						0.000	0.000	
3	0.846	0.748	990	0.327		0.312	0.109			0.421	0.000	
4	0.838	0.845	1110			0.642	0.144	0.059		0.845	0.000	
5	0.845	0.856	1112			0.696	0.084	0.076		0.856	0.000	
6	0.824	0.855	1097			0.625	0.137	0.093		0.855	0.000	
7	0.827	0.683	1035	0.365		0.248	0.046	0.024		0.318	0.000	
8	0.836	0.549	660	0.549						0.000	0.000	
9	0.869	0.547	646	0.547						0.000	0.000	
10	0.845	0.195	646	0.195						0.000	0.000	
11	0.810	0.000	0	Shut Down to Clean CCB							0.000	0.000
12	0.827	0.257	700			0.257				0.257	0.000	
13	0.825	0.585	711			0.585				0.585	0.000	
14	0.821	0.607	720	0.344		0.263				0.263	0.000	
15	0.841	0.591	708	0.591						0.000	0.000	
16	0.908	0.591	697	0.591						0.000	0.000	
17	0.840	0.842	1216	0.221		0.419	0.126	0.076		0.621	0.000	
18	0.823	0.788	1052			0.629	0.078	0.081		0.788	0.000	
19	0.832	0.789	1062			0.617	0.085	0.087		0.789	0.000	
20	0.834	0.845	1209			0.614	0.180	0.051		0.845	0.000	
21	0.840	0.655	1059	0.381		0.214	0.040	0.020		0.274	0.000	
22	0.819	0.638	703	0.638						0.000	0.000	
23	0.882	0.648	776	0.648						0.000	0.000	
24	0.842	0.960	1343	0.264		0.447	0.173	0.076		0.696	0.000	
25	0.821	0.924	1140			0.720	0.126	0.078		0.924	0.000	
26	0.845	0.887	1134			0.676	0.131	0.080		0.887	0.000	
27	0.821	0.914	1213			0.703	0.134	0.077		0.914	0.000	
28	0.816	0.665	1112	0.401		0.202	0.041	0.021		0.264	0.000	
29	0.834	0.612	742	0.612						0.000	0.000	
30	0.895	0.606	684	0.606						0.000	0.000	
31	0.843	0.899	1323	0.278		0.405	0.135	0.081		0.621	0.000	
<b>TOTAL</b>	<b>26.041</b>	<b>20.618</b>		<b>8.595</b>	<b>0.000</b>	<b>9.274</b>	<b>1.769</b>	<b>0.980</b>	<b>0.000</b>	<b>12.023</b>	<b>0.000</b>	
<b>AVERAGE</b>	<b>0.840</b>	<b>0.665</b>	<b>891</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>0.388</b>	<b>0.000</b>	
<b>MAXIMUM</b>	<b>0.908</b>	<b>0.960</b>	<b>1343</b>	<b>0.648</b>	<b>0.000</b>	<b>0.720</b>	<b>0.180</b>	<b>0.093</b>	<b>0.000</b>	<b>0.924</b>	<b>0.000</b>	
<b>MINIMUM</b>	<b>0.810</b>	<b>0.000</b>	<b>0</b>	<b>0.195</b>	<b>0.000</b>	<b>0.000</b>	<b>0.040</b>	<b>0.020</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	
<b>DAYS</b>	<b>31</b>	<b>30</b>		<b>19</b>	<b>0</b>	<b>19</b>	<b>16</b>	<b>15</b>	<b>0</b>	<b>19</b>	<b>0</b>	

DAYS WITH NO DISCHARGE = 1

**McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA**

MONTH: August 2020

DATE	INFLUENT FLOW		EFFLUENT FLOW		EFFLUENT MAXIMUM GPM	RIVER CFS	RIVER Dilution	INFLUENT MONITORING		EFFLUENT MONITORING		RIVER CL RES	SETTLABLE SOLIDS	TOTAL COLIFORMS	RSW-001		RSW-002						
	M.G.D.	M.G.D.	M.G.D.	M.G.D.				R.O.D. mg/L	TSS mg/L	pH	TEMP				B.O.D. mg/L	TSS mg/L	CL RES	CL RES	TIME	PH	TEMP	D.O.	TIME
1	0.824	0.519	640	N/A	N/A	N/A	N/A	7.0	19.9		2.0												
2	0.868	0.518	605	N/A	N/A	N/A	N/A	7.0	19.9		2.0												
3	0.846	0.748	990	N/A	N/A	N/A	N/A	7.2	19.6		1.7			2		15:20	8.3	22.8	11.6	15:30	8.6	22.6	10.9
4	0.838	0.845	1110	N/A	N/A	N/A	N/A	7.1	19.7		2.7												
5	0.845	0.856	1112	N/A	N/A	N/A	N/A	7.1	19.7		3.1												
6	0.824	0.855	1097	N/A	N/A	N/A	N/A	7.0	19.6		2.8												
7	0.827	0.683	1035	N/A	N/A	N/A	N/A	390	260	7.1	19.9	8.5	1.2	3.0		<0.1							
8	0.836	0.549	660	N/A	N/A	N/A	N/A	7.1	19.4		2.3												
9	0.869	0.547	640	N/A	N/A	N/A	N/A	7.1	19.0		2.5												
10	0.845	0.195	646	N/A	N/A	N/A	N/A	7.1	18.3		2.5												
11	0.810	0.000	0	N/A	N/A	N/A	N/A																
12	0.827	0.257	700	N/A	N/A	N/A	N/A	6.9	19.7		4.1												
13	0.825	0.585	711	N/A	N/A	N/A	N/A	7.1	18.8		5.8												
14	0.821	0.607	720	N/A	N/A	N/A	N/A	7.2	19.6	6.9	1.2												
15	0.841	0.591	708	N/A	N/A	N/A	N/A	7.0	20.0		4.7												
16	0.908	0.591	697	N/A	N/A	N/A	N/A	7.0	20.3		4.2												
17	0.840	0.842	1216	N/A	N/A	N/A	N/A	7.0	19.3		4.0												
18	0.823	0.788	1052	N/A	N/A	N/A	N/A	7.0	19.3		4.3												
19	0.832	0.789	1062	N/A	N/A	N/A	N/A	7.1	19.1		3.8												
20	0.834	0.845	1209	N/A	N/A	N/A	N/A	7.1	19.3		3.3												
21	0.840	0.655	1059	N/A	N/A	N/A	N/A	380	310	6.9	20.0	6.1	1.6	3.2		<0.1							
22	0.819	0.638	703	N/A	N/A	N/A	N/A	6.9	19.8		4.1												
23	0.882	0.648	776	N/A	N/A	N/A	N/A	7.0	19.5		3.7												
24	0.842	0.960	1343	N/A	N/A	N/A	N/A	7.2	19.0		3.3												
25	0.821	0.924	1140	N/A	N/A	N/A	N/A	7.0	19.0		4.1												
26	0.845	0.887	1134	N/A	N/A	N/A	N/A	7.0	18.9		3.4												
27	0.821	0.914	1213	N/A	N/A	N/A	N/A	6.9	18.9		3.6												
28	0.816	0.665	1112	N/A	N/A	N/A	N/A	7.1	18.8	5.3	1.8												
29	0.834	0.612	742	N/A	N/A	N/A	N/A	7.1	18.5		2.8												
30	0.895	0.606	684	N/A	N/A	N/A	N/A	7.1	18.5		2.4												
31	0.843	0.899	1323	N/A	N/A	N/A	N/A	7.2	18.5		2.7												

**MONTHLY TESTS EFF-001 DISCHARGE TO RIVER**

Parameter	Amount	Unit	Parameter	Amount	Unit	Parameter	Amount	Unit	Parameter	Amount	Unit	Parameter	Amount	Unit	Parameter	Amount	Unit	Parameter	Amount	Unit	Parameter	Amount	Unit
Ammonia Nitrogen	N/A	mg/L	Nitrate Nitrogen	N/A	mg/L	Phosphate	N/A	mg/L	Bio Phosphate	N/A	mg/L	Carbon Dioxide	N/A	mg/L	Chloride	N/A	mg/L	Dissolved Oxygen	N/A	mg/L	Turbidity	N/A	%

MONTHLY TESTS LND-001, REC-001 DISCHARGE TO PERC PONDS and LAND				MONTHLY RIVER RSW-001				MONTHLY RIVER RSW-002																
Organic Nitrogen	TSS	Ammonia Nitrogen	NITRATE NITRITE	TSS	Ammonia Nitrogen	Settling Time	TDS	Settling Time	Ammonia Nitrogen	Settling Time	TDS	Settling Time	Ammonia Nitrogen	Settling Time	TDS	Settling Time	Ammonia Nitrogen	Settling Time	TDS	Settling Time	Ammonia Nitrogen	Settling Time	TDS	Settling Time
1.50	290	ND	0.83	ND	44	54	250	160	120	ND	200	0.9	1400	310	ND	720	1.2							

AQUATIC TOXICITY			
Date	Species	% Survival	Quantal Tests
	Rainbow Trout	N/A	Bottom
			Surface
			Value mg/L
			N/A

Signature: \_\_\_\_\_

Remarks: \_\_\_\_\_

EFF-001  
REC-001  
Quantity  
Permit Exceedance