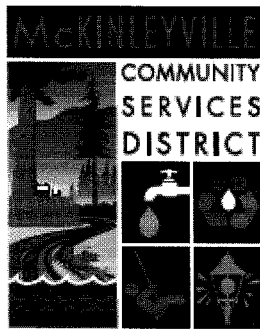


PHYSICAL ADDRESS:

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

October 18, 2021

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for September 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 002, 004 and 006. The required monitoring and water quality constituents that were tested and reported was in compliance in September.

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

Monthly River Monitoring was conducted in September.

Started Land Discharge on May 3rd.

MCKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: September 2021

DATE	INFLUENT FLOW		EFFLUENT FLOW		EFFLUENT MONITORING		EFFLUENT MONITORING		EFFLUENT MONITORING		EFFLUENT MONITORING		EFFLUENT MONITORING		EFFLUENT MONITORING		EFFLUENT MONITORING					
	M.G.D.	M.G.D.	M.G.D.	M.G.D.	RIVER GFS	RIVER GFS	RIVER CL. RES.	RIVER CL. RES.	TSS mg/L	B.O.D. mg/L	(C°)	PH	SETTLABLE SOLIDS	TOTAL COLIFORM	TIME	PH	TEMP. D.O.	TIME	PH	TEMP. D.O.		
1	0.817	0.964	1101	N/A	N/A	N/A	1.8	N/A			18.4	7.4			13:20	7.4	20.1	8.9	13:30	7.3	19.0	8.0
2	0.819	0.954	1100	N/A	N/A	N/A	1.9	N/A			18.1	7.3										
3	0.811	0.813	1079	N/A	N/A	N/A	1.9	N/A	200	4.3	18.2	7.4	<0.1									
4	0.822	0.758	721	N/A	N/A	N/A	1.7	N/A			18.1	7.3										
5	0.838	0.757	829	N/A	N/A	N/A	1.7	N/A			18.0	7.3										
6	0.899	0.754	734	N/A	N/A	N/A	1.6	N/A			18.3	7.2										
7	0.805	0.900	1224	N/A	N/A	N/A	1.9	N/A			17.8	7.3		<1.8	15:30	8.0	20.9	8.4	15:40	8.1	20.1	10.4
8	0.806	0.826	1059	N/A	N/A	N/A	1.6	N/A			18.1	7.3										
9	0.806	0.795	906	N/A	N/A	N/A	1.6	N/A			18.2	7.3										
10	0.794	0.716	1037	N/A	N/A	N/A	1.8	N/A	260	5.3	18.5	7.3	<0.1									
11	0.815	0.719	798	N/A	N/A	N/A	1.7	N/A			18.6	7.3										
12	0.877	0.719	733	N/A	N/A	N/A	1.6	N/A			18.5	7.2										
13	0.827	0.873	1130	N/A	N/A	N/A	1.8	N/A			18.3	7.4		<1.8								
14	0.813	0.850	1271	N/A	N/A	N/A	0.4	N/A			17.9	7.3			11:20	7.5	18.6	8.3	11:30	7.3	19.1	7.4
15	0.809	0.839	1195	N/A	N/A	N/A	1.7	N/A			17.5	7.3										
16	0.793	0.723	797	N/A	N/A	N/A	1.5	N/A			17.6	7.3										
17	0.790	0.709	1067	N/A	N/A	N/A	1.7	N/A	290	5.2	17.5	7.2	<0.1									
18	0.840	0.708	776	N/A	N/A	N/A	1.7	N/A			18.4	7.3										
19	0.883	0.711	748	N/A	N/A	N/A	2.1	N/A			18.0	7.3										
20	0.831	0.884	1192	N/A	N/A	N/A	2.6	N/A			17.7	7.2		<1.8								
21	0.789	0.795	1034	N/A	N/A	N/A	1.2	N/A			17.7	7.4			15:20	7.3	21.9	9.4	15:30	6.9	21.2	9.9
22	0.794	0.834	1052	N/A	N/A	N/A	1.1	N/A			18.0	7.0										
23	0.796	0.837	1054	N/A	N/A	N/A	1.8	N/A			18.1	7.4										
24	0.795	0.760	1080	N/A	N/A	N/A	1.7	N/A	280	6.1	18.0	7.3	<0.1									
25	0.810	0.751	754	N/A	N/A	N/A	1.4	N/A			18.4	7.2										
26	0.863	0.745	724	N/A	N/A	N/A	1.5	N/A			18.4	7.2										
27	0.830	0.889	1106	N/A	N/A	N/A	1.3	N/A			18.4	7.2		<1.8								
28	0.814	0.886	1122	N/A	N/A	N/A	1.4	N/A			17.5	7.4			11:15	7.4	16.9	8.9	11:30	7.1	16.7	5.7
29	0.807	0.858	1073	N/A	N/A	N/A	1.0	N/A			17.4	7.1										
30	0.784	0.852	1070	N/A	N/A	N/A	1.2	N/A			17.5	7.1										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Parameter	Ammonia	Nitrite	Mercuric	Phosphorus	Bio. Potable	Carbon Tetrachloride	Chlorobenzene/methane	Phenol/nonmethane	Turbidity % Increase
Ammonia	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrite	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mercuric	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phosphorus	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bio. Potable	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chlorobenzene/methane	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Phenol/nonmethane	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Turbidity % Increase	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

Parameter	TDS	AMMONIA	NITRATE	NITRATE	SODIUM	CHLORIDE	BORON
TDS	280	3.30	0.37	ND	45	300	ND
AMMONIA	3.30	0.37	ND	45	300	ND	ND
NITRATE	0.37	ND	45	300	ND	ND	ND
NITRATE	ND	45	300	ND	ND	ND	ND
SODIUM	45	300	ND	ND	ND	ND	ND
CHLORIDE	300	ND	ND	ND	ND	ND	ND
BORON	ND	ND	ND	ND	ND	ND	ND

Signature: _____ Remarks: _____

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

September 2021

Discharge Monitoring	002	002	004	003	006	005	001				
INF-001	EFF-001	LND-001	LND-001	REC-001	REC-001	REC-001	REC-001	IRR	GATE	RIVER	
DATE	INFLUENT MGD	EFFLUENT MGD	MAXIMUM GPM	N.POND MGD	S.POND MGD	FISCHER MGD UPPER	FISCHER MGD LOWER	PIALORSI MGD	HILLER MGD	TOTAL MGD	RIVER MGD
1	0.817	0.964	1101			0.796		0.168		0.964	0.000
2	0.819	0.954	1100			0.797		0.157		0.954	0.000
3	0.811	0.813	1079		0.395	0.353		0.065		0.418	0.000
4	0.822	0.758	721		0.758					0.000	0.000
5	0.838	0.757	829		0.757					0.000	0.000
6	0.899	0.754	734		0.754					0.000	0.000
7	0.805	0.900	1224		0.284	0.444		0.172		0.616	0.000
8	0.806	0.826	1059			0.651		0.175		0.826	0.000
9	0.806	0.795	906			0.625		0.170		0.795	0.000
10	0.794	0.716	1037		0.373	0.278		0.065		0.343	0.000
11	0.815	0.719	798		0.719					0.000	0.000
12	0.877	0.719	733		0.719					0.000	0.000
13	0.827	0.873	1130		0.268	0.462		0.143		0.605	0.000
14	0.813	0.850	1271			0.687		0.163		0.850	0.000
15	0.809	0.839	1195			0.674		0.165		0.839	0.000
16	0.793	0.723	797			0.641		0.082		0.723	0.000
17	0.790	0.709	1067		0.370	0.276		0.063		0.339	0.000
18	0.840	0.708	776		0.708					0.000	0.000
19	0.883	0.711	748		0.711					0.000	0.000
20	0.831	0.884	1192		0.266	0.463		0.155		0.618	0.000
21	0.789	0.795	1034			0.662		0.133		0.795	0.000
22	0.794	0.834	1052			0.703		0.131		0.834	0.000
23	0.796	0.837	1054			0.693		0.144		0.837	0.000
24	0.795	0.760	1080		0.390	0.315		0.055		0.370	0.000
25	0.810	0.751	754		0.751					0.000	0.000
26	0.863	0.745	724		0.745					0.000	0.000
27	0.830	0.889	1106		0.281	0.450		0.158		0.608	0.000
28	0.814	0.886	1122			0.749		0.137		0.886	0.000
29	0.807	0.858	1073			0.732		0.126		0.858	0.000
30	0.784	0.852	1070			0.720		0.132		0.852	0.000
TOTAL	24.577	24.179		0.000	9.249	12.171	0.000	2.759	0.000	14.930	0.000
AVERAGE	0.819	0.806	986	0	0.544	0.580	0.000	0.131	0.000	0.498	0.000
MAXIMUM	0.899	0.964	1271	0.000	0.758	0.797	0.000	0.175	0.000	0.964	0.000
MINIMUM	0.784	0.708	721	0.000	0.266	0.276	0.000	0.055	0.000	0.000	0.000
DAYS	30	30		0	17	21	0	21	0	21	0

DAYS WITH NO DISCHARGE = 0