McKinleyville Community Services District

ANNUAL WASTEWATER MANAGEMENT FACILITY MONITORING & DISCHARGE REPORT FOR 2022

NPDES No. CA0024490
WDID No. 1B820840HUM
ORDERNo. R1-2018-0032

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February 3, 2023

Regional Water Quality Control Board, North Coast Region
5550 Skylane Blvd., Suite A
Santa Rosa, California 95403

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY ANNUAL REPORT, FOR 2022

The McKinleyville Community Services District operates the wastewater collection, treatment, and disposal facilities that serve 6993 customer units in the unincorporated area of McKinleyville in Northern Humboldt County. The system operated under Order Number R1-2018-0032, National Pollution Discharge Elimination System (NPDES) Permit No. CA0024490, WDID No. 1B820840HUM issued by the California State Water Resources Control Board.

Table 1. Effluent Limitations for Discharge Point 001

Parameter	Units	Effluent Limitations				
		Average Monthly	Average Weekly	Maximum Daily	Instantaneous Minimum	Instantaneous Maximum
Biochemical Oxygen Demand 5-day @ 20°C	mg/L	30	45			
Total Suspended Solids	mg/L	30	45			
pH	s.u.				6.5	8.5
Settleable Matter	mg/L	0.1		0.2		
Chlorine Residual	mg/L	0.01		0.02		
Carbon Tetrachloride	ug/L	.25		.75		
Ammonia Impact Ratio	ug/L	1.0		1.0		
Dichlorobromomethane	ug/L	.56		1.4		

Table 2. Effluent Limitations for Discharge Points 002 through 006

Parameter	Units	Effluent Limitations				
		Average Monthly	Average Weekly	Maximum Daily	Instantaneous Minimum	Instantaneous Maximum
Biochemical Oxygen Demand 5-day @ 20°C	mg/L	30	45			
Total Suspended Solids	mg/L	30	45			
pH	s.u.				6.5	8.5
Nitrate	mg/l	10				

Table 3. Summary of Monitoring Location Names and Descriptions.

Discharge Point Name	Monitoring Location Name	Monitoring Location Description
	INF-001	Influent at the headworks of the wastewater treatment facility (WWTF) prior to treatment.
	INT-001	Location for monitoring effluent from the chlorine contact chamber prior to dechlorination for purposes of measuring chlorine residual.
001	EFF-001	Location for monitoring effluent from the chlorine contact chamber following dechlorination and prior to discharge to the Mad River.
002	LND-001	Location for monitoring effluent from the chlorine contact chamber prior to discharge to the Mad River percolation ponds.
003,004,005 and 006	REC-001	Location for monitoring treated effluent from the chlorine contact chamber prior to water recycling.
	RSW-001	In the Mad River at the Highway 101 Bridge.
	RSW-002	The North Bank of the Mad River as close as possible to Discharge Point 001 under the Hammond Trail bridge.
	GW-001	Well M-1, adjacent to Fischer Road.
	GW-002	Well M-2, on the southwest corner of the intersection of School and Fischer Roads.
	GW-006	Well M-6, south of W-9 and west of W-7.
	GW-007	Well M-7, in the upper portion of the Fischer parcel
	GW-009	Well M-9, adjacent to School Road.
	GW-019	Well within the West Pialorsi Ranch irrigation area (Historically GW-016).

Compliance:

Biochemical Oxygen Demand (BOD) Testing:

Discharge Point 001 requirements for BOD are 30 mg/L and 85% removal for the monthly average and a weekly average limit of 45 mg/L.
BOD limitations for 2022 were not exceeded.

Total Suspended Solids Testing (TSS):

Discharge Point 001 requirements for TSS are 30 mg/L and 85% removal for the monthly average and a weekly average of 45 mg/l.
TSS limitations for 2022 were not exceeded.

3x5 Total Coliform/ Disinfection Testing:

The effluent limitations for coliform 3x5 testing is a maximum monthly median, a most probable number (MPN) of 23 per 100 milliliters and a daily maximum of 240 MPN and are the same for Discharge Point 001- 006.
Coliform limitations for Monthly Median and Daily Maximum were in compliance in 2022

Settleable Matter Testing:

The effluent limitations for Settable Matter testing are listed in Table 1 and are for Discharge Point 001.
Settable Matter limitations for 2022 were not exceeded.

Chlorine Residual Testing:

The effluent limitations for Chlorine Residual testing are listed in Tables 1 for Discharge Point 001.
Chlorine limitations were not exceeded in 2022

Nitrate as Nitrogen Testing:

The effluent limitations for Nitrate as Nitrogen testing for Discharge Point 002 through 006 are 10 mg/l average monthly.
Nitrate as Nitrogen limitations for 2022 were not exceeded.

Carbon tetrachloride Testing:

The effluent limitations for the carbon tetrachloride testing for Discharge Point 001 are listed in Table 1. Carbon Tetrachloride limitations for 2022 were in compliance.

Dichlorobromomethane Testing:

The effluent limitations for Dichlorobromomethane for Discharge Point 001 are listed in Table 1. There were no exceedances in 2022.

Acute Toxicity Monitoring:

The acute toxicity monitoring bioassay criteria for Discharge Point 001 requires a 96-hour fish bioassay test conducted at EFF-001 in undiluted effluent. The sample is a 24-hour composite and is representative of the volume and quality of the discharge. Two test species were required, Ceriodaphnia dubia (C.dubia) and Rainbow Trout to determine the most sensitive species. After testing was conducted it was shown that there was no difference in both results. RWQCB agreed, along with the District, to select Rainbow Trout moving forward. The Regional Board also adopted the Test of Significant Toxicity (TST) method on a pass or fail.

The minimum compliance for any one test is 70% survival. The median for all bioassays during any calendar month is at least 90%. If the results of any 96-hour bioassay test are not in compliance a follow up test is required within 7 days of notification. The results for Acute Testing were in compliance in 2022.

Acute Toxicity Testing
Acute Testing remained in compliance throughout the calendar year for Rainbow Trout.

Table 3 Acute Monthly Testing for 2022

Date Collected	Test	Trout Survival	TST
1/6/2022	Monthly	100%	PASS
2/10/2022	Monthly	100%	PASS
3/10/2022	Monthly	100%	PASS
4/19/2022	Monthly	100%	PASS
5/3/2022	Monthly	100%	PASS
12/13/2022	Monthly	100%	PASS

Chronic Toxicity Monitoring:

The chronic toxicity monitoring bioassay criteria for Discharge Point 001 requires a 96-hour static renewal or 96-hour static non-renewal testing. The sample is a 24-hour composite and is representative of the volume and quality of the discharge. The sampling is conducted at EFF-001 WWMF Effluent. The test species for chronic testing is a vertebrate, the fathead minnow, Pimephales promelas (larval survival and growth test**)**, The District conducted chronic toxicity testing once annually as per the permit requirement. The testing results for Chronic Testing are detailed in Table 4

Table 4 Chronic Toxicity Testing for 2022

Dilution Water	Date	Test Species	
		Flathead minnow	
		% effect	TST
Diluted w/ Lab Control Water	January 2022	No Significant reductions	Pass

Accelerated Monitoring Requirements:

Accelerated monitoring is triggered when a Chronic test, analyzed using the TST approach, results in a Fail and the percent effect is >.50. No accelerated monitoring was required during 2022.

Other Projects and Commentary on the Treatment Process:

Treatment Process Trends:

The success of a particular process can be gauged by tracking the removal of BOD and TSS. Chart 1 demonstrates average BOD concentration in mg/L from 2012 through 2022. The average BOD in 2022 was 1.8 mg/L and continues to remain well below 30mg/L, our current limit.

Chart 1 Annual Average BOD Concentrations

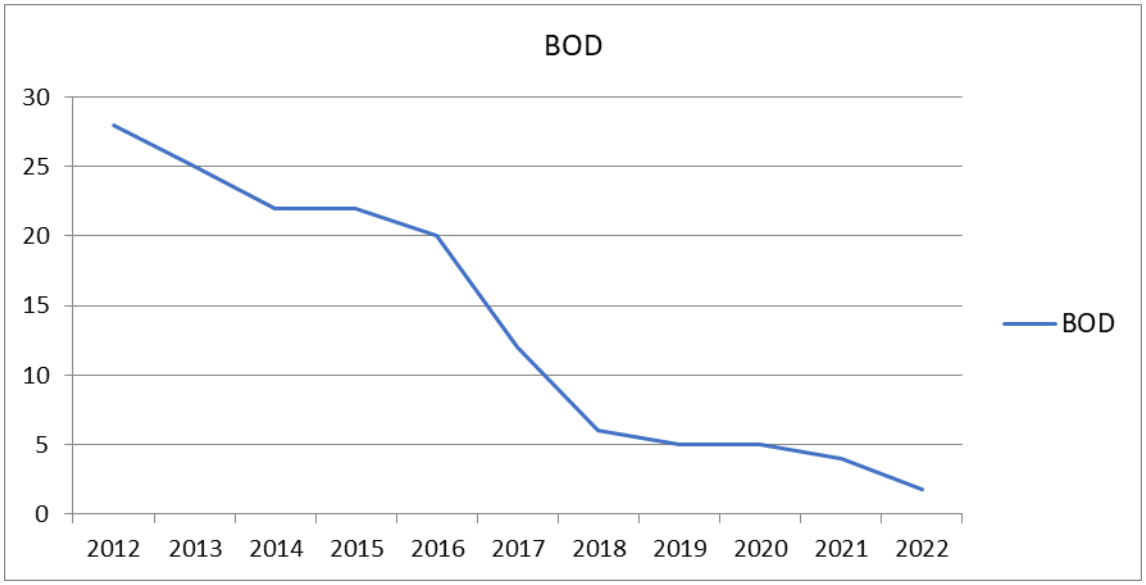


Chart 2 demonstrates average TSS concentration in mg/L from 2012 through 2022. The average TSS in 2022 was 2.2 mg/L and is well below the level it was in 2012. There was a trend increase in 2016 possibly due to the draining of Pond A to build the new plant which diverts flow and nutrient to one Facultative Pond instead of two, along with the additional aerators placed in Pond B.

Chart 2 Annual Average TSS Concentrations

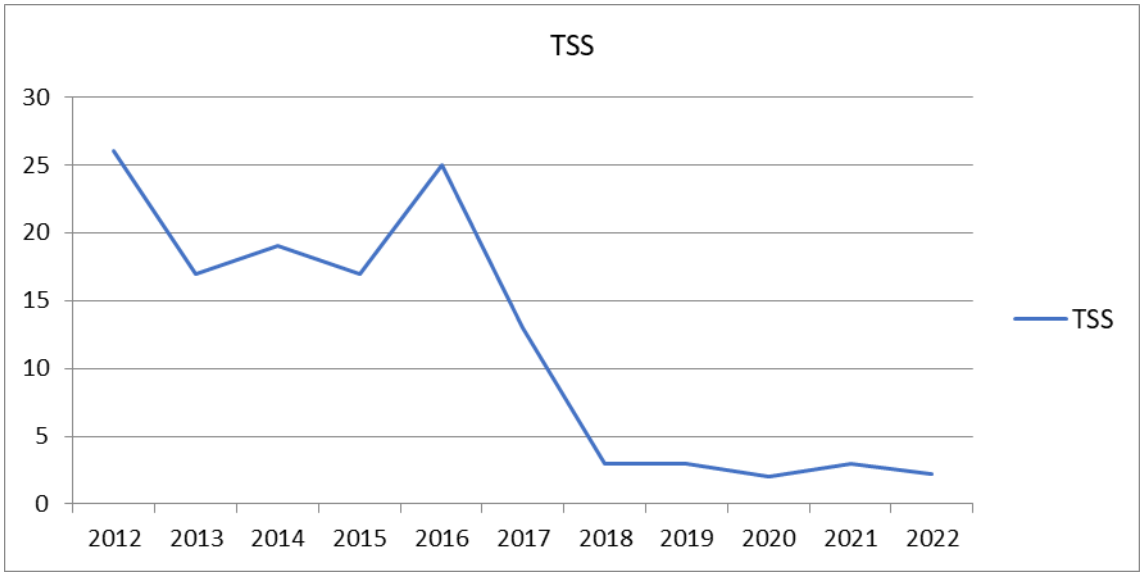
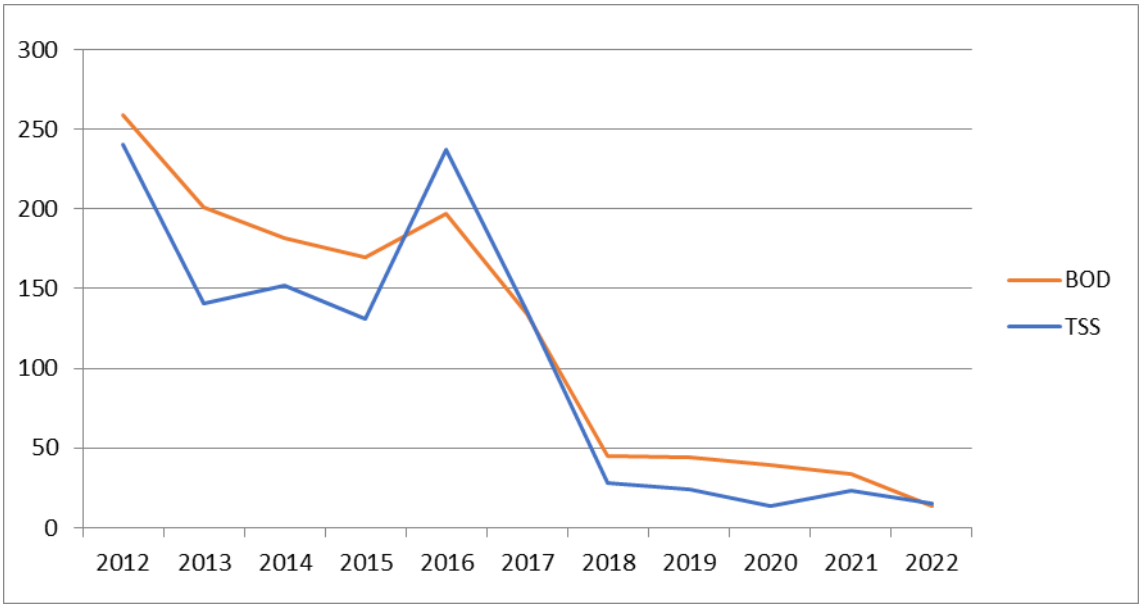


Chart 3 is the product of the flow and the concentration. It is identified as mass loading and measured in pounds per day.

Chart 3 Annual Average BOD and TSS Mass Loading



Charts 1-3 demonstrate the steady trend downward of BOD and TSS from 2012. The treatment marsh upgrade project was completed in 2006. The chart shows the drastic improvements from the performance of the treatment process after the marsh was installed. The efficiency of the process continues to trend down. The blip upward in BOD experience in 2012 but trended back down in 2014 and continued to trend down in 2015. There was another blip upward in 2016 possibly due to the draining of Pond A to build the new plant which diverts flow and nutrient to one Facultative Pond instead of two, along with the additional aerators placed in Pond B. In 2018, there is a drastic decrease due to the WWMF Upgrade project and quality of treatment.

Main Area of Concern:

Ammonia Removal

Due to the performance of the Treatment Plant Upgrade project, ammonia testing results have gone from results of low 30's to ND. As a result of the increased performance, the District experienced higher THM results in 2019 than the Discharge permit allows. The increase Dichlorobromomethane (DCBM) results are a by-product of using chlorine disinfection with an insufficient amount of Ammonia. A series of pilot studies were conducted to verify optimal performance by testing naturally occurring ammonia throughout the system and calculating the flow rate based on the ammonia residual needed.
As part of the treatment process, water is directed to the Biosolids Basin (BSB) through the Waste Activated Sludge (WAS) pump. The supernatant in the BSB has a natural occurring ammonia results of approximately 110 mg/l. The process change involves pumping the supernatant from the BSB to the Secondary Effluent pump vault using a small pump and discharge hose. The supernatant is then diluted with the effluent flow to add the adequate amount of ammonia needed. There were no DCBM exceedances in 2022.

Summary of Work Completed in 2022

Micorgrid Project:
A new Microgrid was installed at the WWMF in 2022. The microgrid will incorporate existing diesel generation, a battery energy storage system and 0.5 MW of new solar photovoltaic (PV) assets to optimize electrical grid resiliency and deliver both financial and environmental benefits to the community. The solar panels were

installed, along with the battery energy storage. This project will extend into 2023 as the District and Contractor are waiting on PG&E to inspect and accept the battery system.

Biosolids Removal:
During the treatment plant upgrade in 2017, a Biosolids Basin was installed to store the biosolids that are generated by the new treatment plant process. It was also projected by the design engineers that the Basin would need to be dredged every 4 to 7 years due to it filling up with biosolids. In 2022 the first dredging was performed. Synagro was contracted and completed the dredging, removing approximately 333 dry tons of solids between November 2021 and February 2022.

Report of Waste Discharge:
The Permittee shall file a Report of Waste Discharge as an application for reissuance of WDRs in accordance with Title 23, California Code of Regulations, (CCR) and an application for reissuance of a National Pollutant Discharge Elimination System (NPDES) permit no later than November 1, 2022. The ROWD was submitted in November 2022 and the current permit is scheduled to expire on October 31, 2023. The District should have a new draft permit to review by then.

California Toxic Rule CTR:
The priority pollutant scan shall include California Toxics Rule (CTR) and Title 22 pollutants. CTR pollutants are those pollutants identified in the California Toxics Rule at 40 C.F.R. Section 131.38, and Title 22 pollutants are those pollutants for which DDW has established MCLs at Title 22, Division 4, Chapter 15, Sections 64431 (Inorganic Chemicals) and 64444 (Organic Chemicals) of the CCR. Duplicate analyses are not required for pollutants that are identified as CTR and Title 22 pollutants. The CTR scan was completed and submitted to the State Water Board in February 2022.

Discharge Monitoring Report Quality Assurance (DMR-QA) Study Reports:
The Permittee shall ensure that the results of the DMR-QA Study or the most recent Water Pollution Performance Evaluation Study are submitted annually to the State Water Board. The DMR-QA was completed in 2022 and a copy of the report was submitted to the State Water Board as a permit requirement.

20 Year Facilities Plan:
The final draft of the facilities plan was published in January 2012 and accepted by the District Board on February 1, 2012. The full document can be located at the District web site by following this link.
https://www.mckinleyvillecsd.com/files/5a493f670/MCSD+20-Year+Facilities+Plan.pdf

Names and General Responsibilities of Staff Working at the Facility

Name	Responsibilities
Patrick Kaspari	General Manger, Owner
James Henry	Chief Plant Operator/Quarterly and annual reporting
Erik Jones	Schedules maintenance and shifts at plant
Chris Jones	Shift Operator/ Runs daily routines
Kyle Stone	Shift Operator/ Runs daily routines
Drew Small	Lead Shift Operator/ daily routines, all sample collection and shipping, training
Seth Meynell	Operator in Training/ Equipment and site maintenance
Jordan Johnson	Shift Operator/ Equipment and site maintenance
Chris Reed	Equipment and site maintenance
Emergency Contacts	
Patrick Kaspari	707-599-5123
James Henry	707-496-2295
Drew Small	707-362-1800
Duty Cell Phone	707-601-9241

INDEX of EXHIBITS

Monthly/ Annual Averages for Pond Level

EXHIBIT J: Tabular Data PG 74

Monthly Total Electric, Cl_2, SO_2, Rain Gage and Water Use Data

EXHIBIT K: Tabular Data PG 75

Monthly Process Data Results

EXHIBIT L: Sludge Disposal and Handling Requirements PG 88

EXHIBIT M: Summary of Irrigation Compliance Report PG 89

Nitrogen Loading lbs/acre
Daily Irrigation Inspection Form

EXHIBIT N: Instrument Calibration Logs PG 94

EXHIBIT O: Source Control PG 133

Summary of compliance and/or enforcement activities and survey results
General Prohibitions and Table presenting Local Limits
List of Industrial Users and Addresses
Non-Residential Survey Results

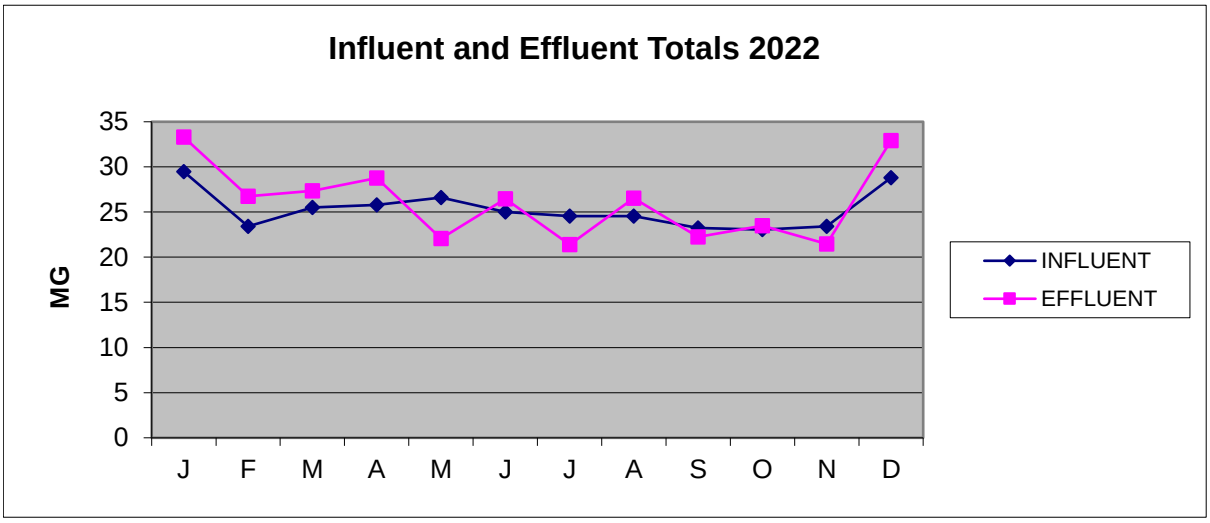
If you have any questions, please contact this office.

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED, IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

Patrick Kaspari, GENERAL MANAGER

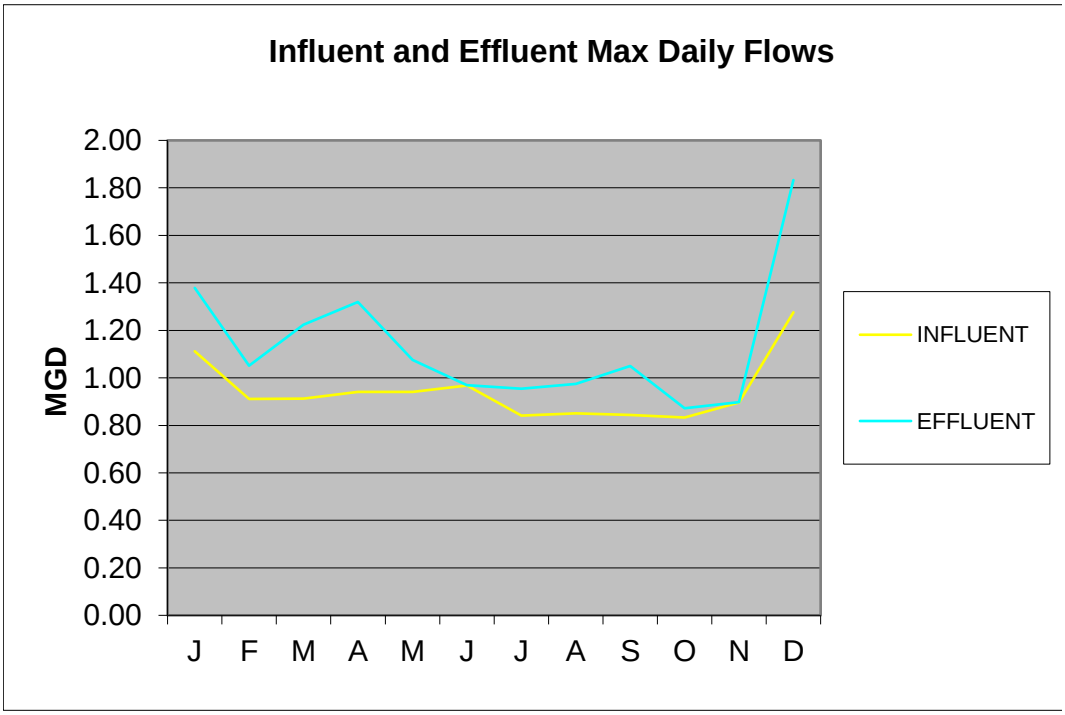
McKinleyville Community Services District
Wastewater Management Facility
Influent and Effluent Flows 2022
in MGD

DATE	INFLUENT	EFFLUENT	AVERAGE GPM
January	29.469	33.289	1113
February	23.403	26.736	974
March	25.512	27.340	980
April	25.798	28.765	1085
May	26.605	22.061	848
June	25.000	26.457	966
July	24.559	21.390	876
August	24.548	26.519	923
September	23.253	22.262	843
October	23.053	23.473	840
November	23.432	21.473	773
December	28.815	32.925	1076
Total	303.447	312.690	
Average	25.287	26.058	941
Maximum	29.469	33.289	1113
Minimum	23.053	21.390	773



McKinleyville Community Services District
Wastewater Management Facility
Influent and Effluent Max Daily Flows in MGD
2022

DATE	INFLUENT	EFFLUENT	MAX GPM
January	1.112	1.379	1698
February	0.911	1.052	1161
March	0.912	1.224	1383
April	0.941	1.320	1851
May	0.941	1.076	1602
June	0.968	0.969	1379
July	0.841	0.955	2358
August	0.851	0.974	1255
September	0.844	1.050	1086
October	0.833	0.872	1180
November	0.897	0.898	924
December	1.276	1.833	1345
Maximum	1.276	1.833	2358



McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
RIVER CFS - EFFLUENT FLOWS -

EXHIBIT B

January 2022

DATE	M-INF INFLUENT MGD	M-001 EFFLUENT MGD	EFFLUENT MAXIMUM GPM	M-003 PERK PONDS MGD	M-004 M-005 M-006 M-007 IRRIGATE MGD	M-002 RIVER MGD	RIVER DILUTION 100: 1	MAXIMUM G.P.M. DISCHARGE FOR 100:1	RIVER FLOW IN CFS	RIVER FLOW IN GPS
1	0. 946	1. 025	939			1.025	1056	9920	2210	16533
2	1. 000	1. 02	965			1.020	893	8618	1920	14364
3	1. 005	1. 016	981			1.016	796	7810	1740	13017
4	1.112	0.997	993			0.997	3933	39051	8700	65085
5	1.090	1.246	1465			1.246	3125	45784	10200	76306
6	1.064	1.379	1698			1.379	2178	36986	8240	61643
7	1.109	1.348	1206			1.348	2695	32497	7240	54162
8	1.089	1.350	1226			1.350	2991	36672	8170	61120
9	1.091	1.358	1366			1.358	1968	26887	5990	44811
10	1.005	0.746	1456			0.746	1514	22039	4910	36732
11	0.974	0.000	0			0.000	0	18493	4120	30822
12	0.966	0.621	926			0.621	1779	16473	3670	27455
13	0.933	1.098	1032			1.098	1405	14498	3230	24164
14	0.912	1.290	1164			1.290	1157	13466	3000	22443
15	0.928	1.329	1351			1.329	867	11715	2610	19525
16	0.954	1.374	1460			1.374	686	10010	2230	16683
17	0.967	1.306	1274			1.306	680	8663	1930	14438
18	0.902	1.153	1410			1.153	541	7631	1700	12718
19	0.884	1.053	975			1.053	691	6733	1500	11222
20	0.874	1.046	1002			1.046	596	5970	1330	9950
21	0.871	1.049	1004			1.049	545	5476	1220	9127
22	0.892	1.045	1053			1.045	473	4982	1110	8304
23	0.937	1.048	1102			1.048	398	4385	977	7309
24	0.881	1.050	1156			1.050	357	4130	920	6883
25	0.862	1.054	1083			1.054	356	3851	858	6419
26	0.877	1.047	990			1.047	351	3474	774	5790
27	0.848	1.047	981			1.047	327	3209	715	5349
28	0.841	1.049	1093			1.049	274	2989	666	4982
29	0.867	1.047	1022			1.047	224	2294	511	3823
30	0.925	1.046	1042			1.046	180	1872	417	3120
31	0.863	1.052	1100			1.052	163	1795	400	2992
TOTAL	29.469	33.289		0.000	0.000	33.289				
AVERAGE	0.951	1.074	1113	0.000	0.000	1.074	1071	13496	3007	22493
MAXI MUM	1.112	1.379	1698	0.000	0.000	1.379	3933	45784	10200	76306
M NI MUM	0.841	0.000	0	0.000	0.000	0.000	0	1795	400	2992
DAYS	31	30		0	0	30				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
RIVER CFS - EFFLUENT FLOWS - RIVER DILUTION

February 2022

DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	EFFLUENT MAXIMUM GPM	**M-002** PERK PONDS MGD	**M-003** **M-004** **M-005** **M-006** IRRIGATE MGD	**EFF-001** RIVER MGD	RIVER DILUTION 100: 1	MAXIMUM G.P.M. DISCHARGE FOR 100:1	RIVER FLOW IN CFS	RIVER FLOW IN GPS
1	0.837	1.051	1106			1.051	162	1795	400	2992
2	0.841	1.052	1121			1.052	160	1795	400	2992
3	0.838	1.046	1161			1.046	151	1755	391	2925
4	0.818	1.045	1028			1.045	167	1719	383	2865
5	0.865	1.048	1036			1.048	162	1683	375	2805
6	0.911	1.040	1062			1.040	155	1647	367	2746
7	0.839	1.041	1088			1.041	146	1593	355	2656
8	0.831	1.040	1160			1.040	134	1558	347	2596
9	0.837	1.043	1040			1.043	143	1486	331	2476
10	0.826	1.046	1022			1.046	137	1400	312	2334
11	0.810	1.042	1013			1.042	135	1365	304	2274
12	0.841	1.043	1112			1.043	121	1342	299	2237
13	0.904	1.038	1130			1.038	115	1297	289	2162
14	0.830	0.947	1068			0.947	117	1252	279	2087
15	0.823	0.876	990			0.876	123	1221	272	2035
16	0.821	0.870	950			0.870	126	1194	266	1990
17	0.812	0.877	878			0.877	129	1136	253	1893
18	0.804	0.872	888			0.872	125	1109	247	1848
19	0.813	0.873	847			0.873	126	1068	238	1780
20	0.862	0.868	840			0.868	124	1041	232	1736
21	0.896	0.814	834			0.814	122	1014	226	1691
22	0.852	0.769	803			0.769	133	1068	238	1780
23	0.811	0.765	770			0.765	135	1041	232	1736
24	0.790	0.867	877	0.581		0.286	113	987	220	1646
25	0.791	0.925	860	0.925		0.000		0		0
26	0.815	0.924	863	0.924		0.000		0		0
27	0.874	0.920	865	0.920		0.000		0		0
28	0.811	0.994	851	0.589	0.405	0.000		0		0
TOTAL	23.403	26.736		3.939	0.405	22.392				
AVERAGE	0.836	0.955	974	0.000	0.000	0.000	136	1163	302	1939
MAXIMUM	0.911	1.052	1161	0.925	0.405	1.052	167	1795	400	2992
MINIMUM	0.790	0.765	770	0.581	0.405	0.000	113	0	220	0
DAYS	28	28	28	5	1	24				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 4

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
RIVER CFS - EFFLUENT FLOWS - RIVER DILUTION

March 2022

DATE	INF-001 INFLUENT MGD	EFF-001 EFFLUENT MGD	EFFLUENT MAXIMUM GPM	M-002 PERK PONDS MGD	M-003 M-004 M-005 M-006 IRRIGATE MGD	EFF-001 RIVER MGD	RIVER DILUTION 100: 1	MAXIMUM G.P.M. DISCHARGE FOR 100:1	RIVER FLOW IN CFS	RIVER FLOW IN GPS
1	0.802	0.974	1093		0.974	0.000	0	0		0
2	0.808	0.988	1137		0.988	0.000	0	0		0
3	0.800	0.777	1043		0.777	0.000	0	0		0
4	0.789	0.894	1115	0.429	0.465	0.000	0	0		0
5	0.828	0.793	792	0.793	0.000	0.000	0	0		0
6	0.881	0.792	795	0.792	0.000	0.000	0	0		0
7	0.811	0.935	917	0.297	0.638	0.000	0	0		0
8	0.804	1.004	1135		1.004	0.000	0	0		0
9	0.793	0.998	1100		0.998	0.000	0	0		0
10	0.792	0.991	1146		0.991	0.000	0	0		0
11	0.794	0.888	1112	0.422	0.466	0.000	0	0		0
12	0.821	0.781	822	0.781	0.000	0.000	0	0		0
13	0.839	0.753	848	0.753	0.000	0.000	0	0		0
14	0.822	0.851	872	0.292	0.559	0.000	0	0		0
15	0.862	0.886	892		0.886	0.000	0	0		0
16	0.820	0.624	852		0.378	0.246	220	1872	417	3120
17	0.803	0.548	667		0.000	0.548	192	1279	285	2132
18	0.811	0.859	998	0.663	0.000	0.196	110	1095	244	1825
19	0.877	1.224	1302	1.224	0.000	0.000	0	0		0
20	0.912	1.163	1383	1.163	0.000	0.000	0	0		0
21	0.847	0.999	1298	0.459	0.540	0.000	0	0		0
22	0.826	0.884	910		0.884	0.000	0	0		0
23	0.816	0.893	935		0.893	0.000	0	0		0
24	0.827	0.888	956		0.888	0.000	0	0		0
25	0.799	0.852	947	0.437	0.415	0.000	0	0		0
26	0.824	0.808	823	0.808	0.000	0.000	0	0		0
27	0.881	0.810	817	0.810	0.000	0.000	0	0		0
28	0.816	0.852	838	0.302	0.550	0.000	0	0		0
29	0.803	0.886	944		0.886	0.000	0	0		0
30	0.795	0.875	943		0.875	0.000	0	0		0
31	0.809	0.870	953		0.870	0.000	0	0		0
TOTAL	25.512	27.340		10.425	15.925	0.990				
AVERAGE	0.823	0.882	980	0.000	0.000	0.032	17	137	315	228
MAXIMUM	0.912	1.224	1383	1.224	1.004	0.548	220	1872	417	3120
MINIMUM	0.789	0.548	667	0.292	0.000	0.000	397	0	244	0
DAYS	31	31		16	21	3				

DAYS WITH NO DISCHARGE TO THE MAD RIVER =

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
RIVER CFS - EFFLUENT FLOWS - RIVER DILUTION

April 2022

DATE	INF-001 INFLUENT MGD	EFF-001 EFFLUENT MGD	EFFLUENT MAXIMUM GPM	M-002 PERK PONDS MGD	M-003 M-004 M-005 M-006 IRRIGATE MGD	EFF-001 RIVER MGD	RIVER DILUTION 100: 1	MAXIMUM G.P.M. DISCHARGE FOR 100:1	RIVER FLOW IN CFS	RIVER FLOW IN GPS
1	0.778	0.826	945	0.410	0.416		0	799	178	1332
2	0.822	0.788	801	0.788			0	799	178	1332
3	0.877	0.787	785	0.787			0	696	155	1160
4	0.859	0.824	842	0.312	0.512		0	723	161	1204
5	0.827	0.888	848		0.888		0	2119	472	3531
6	0.807	0.893	956		0.893		0	1374	306	2289
7	0.808	0.891	961		0.891		0	1055	235	1758
8	0.787	0.751	950	0.297	0.454		0	916	204	1526
9	0.811	0.616	730	0.616			0	830	185	1384
10	0.846	0.603	707	0.603			0	777	173	1294
11	0.860	0.431	810	0.431			0	1001	223	1668
12	0.828	0.000	0	Washed CCB			0	2962	660	4937
13	0.849	0.890	1851	Started River Discharge			142	2626	585	4376
14	0.877	1.286	1267				368	4668	1040	7780
15	0.841	1.277	1582				653	10324	2300	17206
16	0.920	1.320	1311				1020	13376	2980	22293
17	0.925	1.211	1281				1111	14229	3170	23715
18	0.916	1.224	1270				852	10818	2410	18029
19	0.908	1.272	1311				1414	18538	4130	30897
20	0.896	1.293	1327				1123	14902	3320	24837
21	0.904	1.297	1356				1923	26079	5810	43465
22	0.887	1.276	1337				1511	20199	4500	33665
23	0.883	1.172	1237				1281	15845	3530	26408
24	0.941	1.167	1246				1016	12658	2820	21096
25	0.868	1.141	1269				785	9965	2220	16608
26	0.838	1.145	1283				675	8663	1930	14438
27	0.877	1.073	1198				566	6778	1510	11296
28	0.846	0.971	1237				464	5745	1280	9576
29	0.842	0.727	1078				450	4848	1080	8079
30	0.870	0.725	787				553	4349	969	7249
TOTAL	25.798	28.765		4.244	4.054	0.000				
AVERAGE	0.860	0.959	1085	0.000	0.000	#DIV/0!	530	7289	1624	12148
MAXIMUM	0.941	1.320	1851	0.788	0.893	0.000	1923	26079	5810	43465
MINIMUM	0.778	0.000	0	0.297	0.000	0.000	0	696	155	1160
DAYS	30	29		8	6	0				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 12

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
RIVER CFS - EFFLUENT FLOWS - RIVER DILUTION

May 2022

DATE	INF-001 INFLUENT MGD	EFF-001 EFFLUENT MGD	EFFLUENT MAXIMUM GPM	M-002 PERK PONDS MGD	M-003 M-004 M-005 M-006 IRRIGATE MGD	EFF-001 RIVER MGD	RIVER DILUTION 100: 1	MAXIMUM G.P.M. DISCHARGE FOR 100:1	RIVER FLOW IN CFS	RIVER FLOW IN GPS
1	0.927	0.790	783				529	4138	922	6897
2	0.869	0.860	848				441	3743	834	6239
3	0.846	0.929	962				382	3672	818	6119
4	0.859	0.989	1049				309	3241	722	5401
5	0.833	1.034	1192				254	3025	674	5042
6	0.837	1.076	1190				319	3797	846	6329
7	0.874	0.816	1025				464	4758	1060	7930
8	0.930	0.811	790				994	7855	1750	13092
9	0.941	0.865	822				1715	14094	3140	23490
10	0.875	0.917	927				1312	12164	2710	20274
11	0.856	0.975	1020				946	9650	2150	16084
12	0.842	1.019	1040				816	8483	1890	14139
13	0.860	0.602	1115				676	7541	1680	12568
14	0.896	0.000	0	No Discharge			0	8663	1930	14438
15	0.939	0.000	0	No Discharge			0	7945	1770	13241
16	0.870	0.000	0	No Discharge			0	6643	1480	11072
17	0.852	0.438	1602		0.438		350	5611	1250	9351
18	0.842	0.831	937		0.831		0	0		0
19	0.829	0.821	1108		0.821		0	0		0
20	0.831	0.532	965		0.532		0	0		0
21	0.846	0.000	0	No Discharge			0	0		0
22	0.910	0.000	0	No Discharge			0	0		0
23	0.860	0.512	1223		0.512		0	0		0
24	0.826	0.912	1046		0.912		0	0		0
25	0.825	0.979	1029		0.979		0	0		0
26	0.806	0.994	1116		0.994		0	0		0
27	0.805	0.919	980		0.919		0	0		0
28	0.799	0.843	908		0.843		0	0		0
29	0.808	0.839	872		0.839		0	0		0
30	0.871	0.841	876		0.841		0	0		0
31	0.841	0.917	1086		0.917		0	0		0
TOTAL	25.764	21.144		0.000	9.461	0.000				
AVERAGE	0.859	0.705	848	0.000	0.000	0.000	0	3834	1507	6390
MAXIMUM	0.941	1.076	1602	0.000	0.994	0.000	0	14094	3140	23490
MINIMUM	0.799	0.000	0	0.000	0.000	0.000	0	0	674	0
DAYS	31	26		0	13	0	13			

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 18

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
RIVER CFS - EFFLUENT FLOWS - RIVER DILUTION

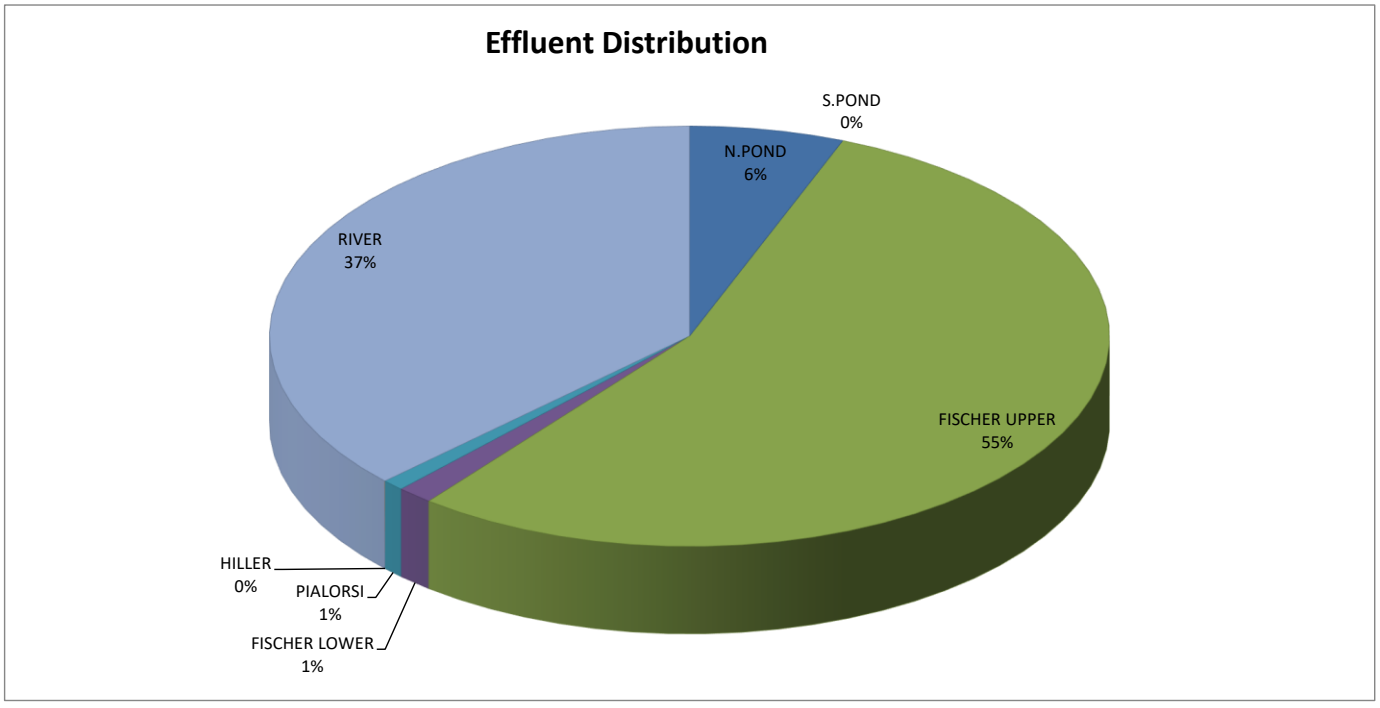
December 2022

DATE	INF-001 INFLUENT MGD	EFF-001 EFFLUENT MGD	EFFLUENT MAXIMUM GPM	M-002 PERK PONDS MGD	M-003 M-004 M-005 M-006 IRRIGATE MGD	EFF-001 RIVER MGD	RIVER DILUTION 100: 1	MAXIMUM G.P.M. DISCHARGE FOR 100:1	RIVER FLOW IN CFS	RIVER FLOW IN GPS
1	0.877	0.912	879	Land	0.912	0.000	174	1526	340	2544
2	0.798	0.910	851	Land	0.910	0.000	316	2693	600	4489
3	0.800	0.908	918	Land	0.908	0.000	155	1418	316	2364
4	0.968	0.908	1011	Land	0.908	0.000	112	1136	253	1893
5	0.934	0.871	991	L/R	0.363	0.508	933	9247	2060	15411
6	0.885	1.081	1071	River		1.081	566	6060	1350	10099
7	0.841	1.264	1301			1.264	235	3057	681	5095
8	0.859	1.256	1316			1.256	143	1881	419	3135
9	0.837	1.300	1278			1.300	202	2585	576	4309
10	1.027	1.249	1139			1.249	276	3147	701	5244
11	1.128	1.243	1068			1.243	1715	18313	4080	30522
12	0.970	1.253	1134			1.253	598	6778	1510	11296
13	0.911	1.261	1255			1.261	304	3820	851	6366
14	0.874	1.263	1278			1.263	196	2509	559	4182
15	0.861	1.124	1314			1.124	140	1840	410	3067
16	0.844	0.948	916			0.948	161	1472	328	2454
17	0.855	0.948	1009			0.948	127	1279	285	2132
18	0.904	0.948	968			0.948	119	1154	257	1923
19	0.853	0.546	880			0.546	114	1005	224	1676
20	0.869	0.394	902	Land	0.394	0.000	104	938	209	1564
21	0.887	0.923	929	Land	0.923	0.000	100	925	206	1541
22	0.827	0.906	977	Land	0.395	0.511	154	1508	336	2514
23	0.849	0.848	825	River		0.848	260	2146	478	3576
24	0.856	0.848	925			0.848	416	3851	858	6419
25	0.810	0.844	827			0.844	377	3115	694	5192
26	0.954	0.976	996			0.976	347	3456	770	5760
27	1.182	0.701	1345			0.701	2453	32991	7350	54985
28	1.053	0.910	1144			0.910	2915	33350	7430	55584
29	1.012	1.746	1270			1.746	1746	22174	4940	36956
30	1.276	1.803	1321			1.803	3772	49823	11100	83039
31	1.214	1.833	1330			1.833	7155	95158	21200	158597
TOTAL	28.815	32.925		0.000	5.713	27.212				
AVERAGE	0.930	1.062	1076	0.000	0.000	0.878	851	10334	2302	17223
MAXIMUM	1.276	1.833	1345	0.000	0.923	1.833	7155	95158	21200	158597
MINIMUM	0.798	0.394	825	0.000	0.363	0.000	100	925	206	1541
DAYS	31	31		0	8	26				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL TOTALS 2022

Dischrange Monitoring DATE	M-INF INFLUENT MGD	M-001 EFFLUENT MGD	002 M-003 N.POND MGD	002 M-003 S.POND MGD	004 M-005 FISCHER MGD UPPER	003 M-004 FISCHER MGD LOWER	006 M-007 PIALORSI MGD	005 M-006 HILLER MGD	IRRGATE TOTAL MGD	001 M-002 RIVER MGD
JANUARY	29.5	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3
FEBRUARY	23.4	26.7	3.9	0.0	0.4	0.0	0.0	0.0	0.4	22.4
MARCH	25.5	27.3	10.4	0.0	15.6	0.0	0.4	0.0	15.9	1.0
APRIL	25.8	28.8	4.2	0.0	4.1	0.0	0.0	0.0	4.1	20.5
MAY	26.6	22.1	0.0	0.0	10.4	0.0	0.0	0.0	10.4	11.7
JUNE	25.0	26.5	0.0	0.0	26.5	0.0	0.0	0.0	26.5	0.0
JULY	24.6	21.4	0.0	0.0	19.6	0.0	1.8	0.0	21.4	0.0
AUGUST	24.5	26.5	0.0	0.0	24.2	1.8	0.5	0.0	26.5	0.0
SEPTEMBER	23.3	22.3	0.0	0.0	20.9	1.4	0.0	0.0	22.3	0.0
OCTOBER	23.1	23.5	0.0	0.0	22.3	1.1	0.0	0.0	23.5	0.0
NOVEMBER	23.4	21.5	0.0	0.0	21.5	0.0	0.0	0.0	21.5	0.0
DECEMBER	28.8	32.9	0.0	0.0	5.7	0.0	0.0	0.0	5.7	27.2
Totals	303.4	312.7	18.6	0.0	171.0	4.4	2.7	0.0	178.0	116.0



McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL JANUARY 2022

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** 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
TOTAL	29.469	33.289		0.000	0.000	0.000	0.000	0.000	0.000	0.000	33.289
AVERAGE	0.951	1.074	1113	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.074
MAXIMUM	1.112	1.379	1698	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.379
MINIMUM	0.841	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

DAYS WITH NO DISCHARGE = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL FEBRUARY 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.837	1.051	1106							0.000	1.051
2	0.841	1.052	1121							0.000	1.052
3	0.838	1.046	1161							0.000	1.046
4	0.818	1.045	1028							0.000	1.045
5	0.865	1.048	1036							0.000	1.048
6	0.911	1.040	1062							0.000	1.040
7	0.839	1.041	1088							0.000	1.041
8	0.831	1.040	1160							0.000	1.040
9	0.837	1.043	1040							0.000	1.043
10	0.826	1.046	1022							0.000	1.046
11	0.810	1.042	1013							0.000	1.042
12	0.841	1.043	1112							0.000	1.043
13	0.904	1.038	1130							0.000	1.038
14	0.830	0.947	1068							0.000	0.947
15	0.823	0.876	990							0.000	0.876
16	0.821	0.870	950							0.000	0.870
17	0.812	0.877	878							0.000	0.877
18	0.804	0.872	888							0.000	0.872
19	0.813	0.873	847							0.000	0.873
20	0.862	0.868	1075							0.000	0.868
21	0.896	0.814	834							0.000	0.814
22	0.852	0.769	803							0.000	0.769
23	0.811	0.765	770							0.000	0.765
24	0.790	0.867	877	0.581	Out of River due to CFS dropping					0.000	0.286
25	0.791	0.925	860	0.925						0.000	0.000
26	0.815	0.924	863	0.924						0.000	0.000
27	0.874	0.920	865	0.920						0.000	0.000
28	0.811	0.994	851	0.589		0.405				0.405	0.000
TOTAL	23.403	26.736		3.939	0.000	0.405	0.000	0.000	0.000	0.405	22.392
AVERAGE	0.836	0.955	982	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.800
MAXIMUM	0.911	1.052	1161	0.925	0.000	0.405	0.000	0.000	0.000	0.405	1.052
MINIMUM	0.790	0.765	770	0.581	0.000	0.405	0.000	0.000	0.000	0.000	0.000
DAYS	28	28	28	5	0	1	0	0	0	1	24

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL MARCH 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.802	0.974	1093			0.974				0.974	0.000
2	0.808	0.988	1137			0.988				0.988	0.000
3	0.800	0.777	1043			0.777				0.777	0.000
4	0.789	0.894	1115	0.429		0.465				0.465	0.000
5	0.828	0.793	792	0.793						0.000	0.000
6	0.881	0.792	795	0.792						0.000	0.000
7	0.811	0.935	917	0.297		0.638				0.638	0.000
8	0.804	1.004	1135			1.004				1.004	0.000
9	0.793	0.998	1100			0.998				0.998	0.000
10	0.792	0.991	1146			0.991				0.991	0.000
11	0.794	0.888	1112	0.422		0.466				0.466	0.000
12	0.821	0.781	822	0.781						0.000	0.000
13	0.839	0.753	848	0.753						0.000	0.000
14	0.822	0.851	872	0.292		0.559				0.559	0.000
15	0.862	0.886	892			0.886				0.886	0.000
16	0.820	0.624	852			0.378				0.378	0.246
17	0.803	0.548	667							0.000	0.548
18	0.811	0.859	998	0.663						0.000	0.196
19	0.877	1.224	1302	1.224						0.000	0.000
20	0.912	1.163	1383	1.163						0.000	0.000
21	0.847	0.999	1298	0.459		0.180		0.360		0.540	0.000
22	0.826	0.884	910			0.884				0.884	0.000
23	0.816	0.893	935			0.893				0.893	0.000
24	0.827	0.888	956			0.888				0.888	0.000
25	0.799	0.852	947	0.437		0.415				0.415	0.000
26	0.824	0.808	823	0.808						0.000	0.000
27	0.881	0.810	817	0.810						0.000	0.000
28	0.816	0.852	838	0.302		0.550				0.550	0.000
29	0.803	0.886	944			0.886				0.886	0.000
30	0.795	0.875	943			0.875				0.875	0.000
31	0.809	0.870	953			0.870				0.870	0.000
TOTAL	25.512	27.340		10.425	0.000	15.565	0.000	0.360	0.000	15.925	0.990
AVERAGE	0.823	0.882	980	0.652	0.000	0.741	0.000	0.360	0.000	0.514	0.032
MAXIMUM	0.912	1.224	1383	1.224	0.000	1.004	0.000	0.360	0.000	1.004	0.548
MINIMUM	0.789	0.548	667	0.292	0.000	0.180	0.000	0.360	0.000	0.000	0.000
DAYS	31	31		16	0	21	0	1	0	21	3
LBS/ACRE											

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL April 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.778	0.826	945	0.410		0.416				0.416	0.000
2	0.822	0.788	801	0.788						0.000	0.000
3	0.877	0.787	785	0.787						0.000	0.000
4	0.859	0.824	842	0.312		0.512				0.512	0.000
5	0.827	0.888	848			0.888				0.888	0.000
6	0.807	0.893	956			0.893				0.893	0.000
7	0.808	0.891	961			0.891				0.891	0.000
8	0.787	0.751	950	0.297		0.454				0.454	0.000
9	0.811	0.616	730	0.616						0.000	0.000
10	0.846	0.603	707	0.603						0.000	0.000
11	0.860	0.431	810	0.431						0.000	0.000
12	0.828	0.000	0			Washed CCB				0.000	0.000
13	0.849	0.890	1851		Started River Discharge					0.000	0.890
14	0.877	1.286	1267							0.000	1.286
15	0.841	1.277	1582							0.000	1.277
16	0.920	1.320	1311							0.000	1.320
17	0.925	1.211	1281							0.000	1.211
18	0.916	1.224	1270							0.000	1.224
19	0.908	1.272	1311							0.000	1.272
20	0.896	1.293	1327							0.000	1.293
21	0.904	1.297	1356							0.000	1.297
22	0.887	1.276	1337							0.000	1.276
23	0.883	1.172	1237							0.000	1.172
24	0.941	1.167	1246							0.000	1.167
25	0.868	1.141	1269							0.000	1.141
26	0.838	1.145	1283							0.000	1.145
27	0.877	1.073	1198							0.000	1.073
28	0.846	0.971	1237							0.000	0.971
29	0.842	0.727	1078							0.000	0.727
30	0.870	0.725	787							0.000	0.725
TOTAL	25.798	28.765		4.244	0.000	4.054	0.000	0.000	0.000	4.054	20.467
AVERAGE	0.860	0.959	1085	0.000	0.000	0.000	0.000	0.000	0.000	0.135	0.682
MAXIMUM	0.941	1.320	1851	0.788	0.000	0.893	0.000	0.000	0.000	0.893	1.320
MINIMUM	0.778	0.000	0	0.297	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DAYS	30	29		8	0	6	0	0	0	6	18

DAYS WITH NO DISCHARGE = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL May 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.927	0.790	783							0.000	0.790
2	0.869	0.860	848							0.000	0.860
3	0.846	0.929	962							0.000	0.929
4	0.859	0.989	1049							0.000	0.989
5	0.833	1.034	1192							0.000	1.034
6	0.837	1.076	1190							0.000	1.076
7	0.874	0.816	1025							0.000	0.816
8	0.930	0.811	790							0.000	0.811
9	0.941	0.865	822							0.000	0.865
10	0.875	0.917	927							0.000	0.917
11	0.856	0.975	1020							0.000	0.975
12	0.842	1.019	1040							0.000	1.019
13	0.860	0.602	1115							0.000	0.602
14	0.896	0.000	0			No Discharge				0.000	0.000
15	0.939	0.000	0			No Discharge				0.000	0.000
16	0.870	0.000	0			No Discharge				0.000	0.000
17	0.852	0.438	1602			0.438				0.438	0.000
18	0.842	0.831	937			0.831				0.831	0.000
19	0.829	0.821	1108			0.821				0.821	0.000
20	0.831	0.532	965			0.532				0.532	0.000
21	0.846	0.000	0			No Discharge				0.000	0.000
22	0.910	0.000	0			No Discharge				0.000	0.000
23	0.860	0.512	1223			0.512				0.512	0.000
24	0.826	0.912	1046			0.912				0.912	0.000
25	0.825	0.979	1029			0.979				0.979	0.000
26	0.806	0.994	1116			0.994				0.994	0.000
27	0.805	0.919	980			0.919				0.919	0.000
28	0.799	0.843	908			0.843				0.843	0.000
29	0.808	0.839	872			0.839				0.839	0.000
30	0.871	0.841	876			0.841				0.841	0.000
31	0.841	0.917	1086			0.917				0.917	0.000
TOTAL	26.605	22.061		0.000	0.000	10.378	0.000	0.000	0.000	10.378	11.683
AVERAGE	0.858	0.712	855	0.000	0.000	0.000	0.000	0.000	0.000	0.335	0.377
MAXIMUM	0.941	1.076	1602	0.000	0.000	0.994	0.000	0.000	0.000	0.994	1.076
MINIMUM	0.799	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DAYS	31	26	26	0	0	13	0	0	0	13	13

DAYS WITH NO DISCHARGE = 5

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL June 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.829	0.902	1379			0.902				0.902	0.000
2	0.801	0.907	981			0.907				0.907	0.000
3	0.795	0.969	974			0.969				0.969	0.000
4	0.866	0.920	966			0.920				0.920	0.000
5	0.968	0.830	987			0.830				0.830	0.000
6	0.868	0.918	996			0.918				0.918	0.000
7	0.846	0.916	1046			0.916				0.916	0.000
8	0.843	0.903	994			0.903				0.903	0.000
9	0.822	0.917	985			0.917				0.917	0.000
10	0.809	0.910	984			0.910				0.910	0.000
11	0.831	0.839	952			0.839				0.839	0.000
12	0.913	0.843	869			0.843				0.843	0.000
13	0.855	0.921	932			0.921				0.921	0.000
14	0.837	0.908	976			0.908				0.908	0.000
15	0.828	0.909	950			0.909				0.909	0.000
16	0.825	0.902	998			0.902				0.902	0.000
17	0.831	0.893	967			0.893				0.893	0.000
18	0.819	0.837	854			0.837				0.837	0.000
19	0.844	0.830	832			0.830				0.830	0.000
20	0.836	0.852	948			0.852				0.852	0.000
21	0.845	0.858	948			0.858				0.858	0.000
22	0.832	0.875	988			0.875				0.875	0.000
23	0.804	0.905	1005			0.905				0.905	0.000
24	0.786	0.863	942			0.863				0.863	0.000
25	0.782	0.791	819			0.791				0.791	0.000
26	0.840	0.786	786			0.786				0.786	0.000
27	0.832	0.865	945			0.865				0.865	0.000
28	0.813	0.876	956			0.876				0.876	0.000
29	0.795	0.929	1062			0.929				0.929	0.000
30	0.805	0.883	954			0.883				0.883	0.000
TOTAL	25.000	26.457		0.000	0.000	26.457	0.000	0.000	0.000	26.457	0.000
AVERAGE	0.833	0.882	966	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAXIMUM	0.968	0.969	1379	0.000	0.000	0.969	0.000	0.000	0.000	0.969	0.000
MINIMUM	0.782	0.786	786	0.000	0.000	0.786	0.000	0.000	0.000	0.786	0.000
DAYS	30	30		0	0	30	0	0	0	30	0

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL JULY 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.841	0.858	950			0.858				0.858	0.000
2	0.777	0.826	944			0.826				0.826	0.000
3	0.757	0.812	836			0.812				0.812	0.000
4	0.797	0.810	812			0.810				0.810	0.000
5	0.810	0.819	817			0.819				0.819	0.000
6	0.826	0.955	1170			0.820		0.135		0.955	0.000
7	0.803	0.906	1112			0.786		0.120		0.906	0.000
8	0.792	0.936	1128			0.804		0.132		0.936	0.000
9	0.769	0.817	949			0.817				0.817	0.000
10	0.783	0.817	820			0.817				0.817	0.000
11	0.816	0.897	1071			0.756		0.141		0.897	0.000
12	0.796	0.921	1076			0.836		0.085		0.921	0.000
13	0.790	0.907	1081			0.737		0.170		0.907	0.000
14	0.795	0.919	1089			0.806		0.113		0.919	0.000
15	0.806	0.907	1108			0.768		0.139		0.907	0.000
16	0.794	0.000	0			No Discharge				0.000	0.000
17	0.777	0.000	0			No Discharge				0.000	0.000
18	0.794	0.281	2358			0.197		0.084		0.281	0.000
19	0.775	0.877	1089			0.750		0.127		0.877	0.000
20	0.775	0.890	1068			0.765		0.125		0.890	0.000
21	0.787	0.897	1072			0.785		0.112		0.897	0.000
22	0.794	0.899	1125			0.781		0.118		0.899	0.000
23	0.771	0.787	789			0.787				0.787	0.000
24	0.790	0.609	800			0.609				0.609	0.000
25	0.818	0.000	0			No Discharge				0.000	0.000
26	0.786	0.000	0			No Discharge				0.000	0.000
27	0.789	0.000	0			No Discharge				0.000	0.000
28	0.780	0.555	1196			0.474		0.081		0.555	0.000
29	0.775	0.889	1084			0.776		0.113		0.889	0.000
30	0.773	0.797	817			0.797				0.797	0.000
31	0.823	0.802	810			0.802				0.802	0.000
TOTAL	24.559	21.390		0.000	0.000	19.595	0.000	1.795	0.000	21.390	0.000
AVERAGE	0.792	0.690	876	0.000	0.000	0.632	0.000	0.000	0.000	0.690	0.000
MAXIMUM	0.841	0.955	2358	0.000	0.000	0.858	0.000	0.170	0.000	0.955	0.000
MINIMUM	0.757	0.000	0	0.000	0.000	0.000	0.000	0.081	0.000	0.000	0.000
DAYS	31	26		0	0	26	0	15	0	26	0

DAYS WITH NO DISCHARGE = 5

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL August 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.810	0.974	1255			0.847		0.127		0.974	0.000
2	0.795	0.973	1046			0.813	0.105	0.055		0.973	0.000
3	0.775	0.891	1075			0.722	0.112	0.057		0.891	0.000
4	0.770	0.893	1044			0.727	0.108	0.058		0.893	0.000
5	0.772	0.929	1059			0.772	0.103	0.054		0.929	0.000
6	0.778	0.796	786			0.796				0.796	0.000
7	0.835	0.802	772			0.802				0.802	0.000
8	0.798	0.888	997			0.797	0.060	0.031		0.888	0.000
9	0.790	0.873	900			0.783	0.090			0.873	0.000
10	0.806	0.817	778			0.767		0.050		0.817	0.000
11	0.781	0.810	773			0.762		0.048		0.810	0.000
12	0.774	0.812	776			0.760		0.052		0.812	0.000
13	0.791	0.785	766			0.785				0.785	0.000
14	0.841	0.789	755			0.789				0.789	0.000
15	0.839	0.795	811			0.795				0.795	0.000
16	0.816	0.884	1049			0.852	0.032			0.884	0.000
17	0.782	0.892	1022			0.787	0.105			0.892	0.000
18	0.767	0.895	1054			0.786	0.109			0.895	0.000
19	0.768	0.880	1014			0.776	0.104			0.880	0.000
20	0.772	0.786	782			0.786				0.786	0.000
21	0.830	0.784	766			0.784				0.784	0.000
22	0.797	0.840	787			0.757	0.083			0.840	0.000
23	0.777	0.851	881			0.749	0.102			0.851	0.000
24	0.776	0.896	1055			0.791	0.105			0.896	0.000
25	0.780	0.867	1045			0.756	0.111			0.867	0.000
26	0.760	0.887	1076			0.775	0.112			0.887	0.000
27	0.781	0.773	827			0.773				0.773	0.000
28	0.851	0.774	740			0.774				0.774	0.000
29	0.786	0.897	1078			0.770	0.127			0.897	0.000
30	0.772	0.898	1052			0.773	0.125			0.898	0.000
31	0.778	0.888	1072			0.760	0.128			0.888	0.000
TOTAL	24.548	26.519		0.000	0.000	24.166	1.821	0.532	0.000	26.519	0.000
AVERAGE	0.792	0.855	923	0.000	0.000	0.000	0.000	0.000	0.000	0.855	0.000
MAXIMUM	0.851	0.974	1255	0.000	0.000	0.852	0.128	0.127	0.000	0.974	0.000
MINIMUM	0.760	0.773	740	0.000	0.000	0.722	0.032	0.031	0.000	0.773	0.000
DAYS	31	31		0	0	31	18	9	0	31	0

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL September 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.768	0.873	1081			0.767	0.106			0.873	0.000
2	0.762	0.847	1086			0.728	0.119			0.847	0.000
3	0.779	0.661	729			0.661				0.661	0.000
4	0.779	0.661	714			0.661				0.661	0.000
5	0.842	0.656	734			0.656				0.656	0.000
6	0.777	0.735	960			0.651	0.084			0.735	0.000
7	0.774	0.739	961			0.653	0.086			0.739	0.000
8	0.754	0.702	894			0.605	0.097			0.702	0.000
9	0.752	0.695	854			0.614	0.081			0.695	0.000
10	0.785	0.634	691			0.634				0.634	0.000
11	0.815	0.640	681			0.640				0.640	0.000
12	0.777	0.701	905			0.625	0.076			0.701	0.000
13	0.762	0.711	887			0.639	0.072			0.711	0.000
14	0.758	0.673	870			0.614	0.059			0.673	0.000
15	0.758	0.627	652			0.627				0.627	0.000
16	0.736	0.704	905			0.618	0.086			0.704	0.000
17	0.762	0.625	626			0.625				0.625	0.000
18	0.844	0.627	683			0.627				0.627	0.000
19	0.788	0.683	920			0.611	0.072			0.683	0.000
20	0.770	0.737	773			0.737				0.737	0.000
21	0.778	0.801	798			0.801				0.801	0.000
22	0.761	0.803	794			0.803				0.803	0.000
23	0.734	0.799	789			0.799				0.799	0.000
24	0.769	0.798	840			0.798				0.798	0.000
25	0.822	0.800	821			0.800				0.800	0.000
26	0.789	0.860	969			0.772	0.088			0.860	0.000
27	0.775	1.050	1000			0.827	0.223			1.050	0.000
28	0.771	0.866	1038			0.717	0.149			0.866	0.000
29	0.769	0.781	853			0.781				0.781	0.000
30	0.743	0.773	775			0.773				0.773	0.000
TOTAL	23.253	22.262		0.000	0.000	20.864	1.398	0.000	0.000	22.262	0.000
AVERAGE	0.775	0.742	843	0.000	0.000	0.695	0.100	0.000	0.000	0.742	0.000
MAXIMUM	0.844	1.050	1086	0.000	0.000	0.827	0.223	0.000	0.000	1.050	0.000
MINIMUM	0.734	0.625	626	0.000	0.000	0.605	0.059	0.000	0.000	0.625	0.000
DAYS	30	30		0	0	30	14	0	0	30	0

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL OCTOBER 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.780	0.779	803			0.779				0.779	0.000
2	0.833	0.770	777			0.770				0.770	0.000
3	0.795	0.780	775			0.780				0.780	0.000
4	0.756	0.785	811			0.785				0.785	0.000
5	0.756	0.797	796			0.797				0.797	0.000
6	0.753	0.866	931			0.781	0.085			0.866	0.000
7	0.739	0.845	909			0.770	0.075			0.845	0.000
8	0.772	0.779	778			0.779				0.779	0.000
9	0.831	0.779	757			0.779				0.779	0.000
10	0.784	0.768	780			0.768				0.768	0.000
11	0.780	0.830	906			0.760	0.070			0.830	0.000
12	0.770	0.673	893			0.605	0.068			0.673	0.000
13	0.759	0.856	914			0.764	0.092			0.856	0.000
14	0.750	0.819	885			0.762	0.057			0.819	0.000
15	0.758	0.769	805			0.769				0.769	0.000
16	0.812	0.760	785			0.760				0.760	0.000
17	0.766	0.806	881			0.751	0.055			0.806	0.000
18	0.745	0.835	908			0.764	0.071			0.835	0.000
19	0.752	0.841	896			0.763	0.078			0.841	0.000
20	0.741	0.820	885			0.764	0.056			0.820	0.000
21	0.738	0.834	899			0.762	0.072			0.834	0.000
22	0.775	0.760	804			0.760				0.760	0.000
23	0.822	0.763	852			0.763				0.763	0.000
24	0.761	0.848	1073			0.777	0.071			0.848	0.000
25	0.758	0.482	910			0.398	0.084			0.482	0.000
26	0.776	0.000	0		Washed CCB					0.000	0.000
27	0.736	0.537	1180			0.481	0.056			0.537	0.000
28	0.728	0.857	935			0.788	0.069			0.857	0.000
29	0.765	0.785	788			0.785				0.785	0.000
30	0.815	0.778	774			0.778				0.778	0.000
31	0.727	0.872	947			0.786	0.086			0.872	0.000
TOTAL	23.053	23.473		0.000	0.000	22.328	1.145	0.000	0.000	23.473	0.000
AVERAGE	0.768	0.757	840	0.000	0.000	0.744	0.000	0.000	0.000	0.757	0.000
MAXIMUM	0.833	0.872	1180	0.000	0.000	0.797	0.092	0.000	0.000	0.872	0.000
MINIMUM	0.727	0.000	0	0.000	0.000	0.398	0.055	0.000	0.000	0.000	0.000
DAYS	31	30		0	0	30	16	0	0	30	0

DAYS WITH NO DISCHARGE = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL NOVEMBER 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.796	0.298	738			0.298				0.298	0.000
2	0.794	0.000	0			Washed CCB				0.000	0.000
3	0.749	0.495	793			0.495				0.495	0.000
4	0.736	0.809	754			0.809				0.809	0.000
5	0.863	0.803	834			0.803				0.803	0.000
6	0.897	0.803	909			0.803				0.803	0.000
7	0.816	0.765	828			0.765				0.765	0.000
8	0.822	0.800	732			0.800				0.800	0.000
9	0.769	0.736	703			0.736				0.736	0.000
10	0.792	0.777	797			0.777				0.777	0.000
11	0.791	0.766	697			0.766				0.766	0.000
12	0.810	0.762	721			0.762				0.762	0.000
13	0.818	0.769	772			0.769				0.769	0.000
14	0.825	0.773	718			0.773				0.773	0.000
15	0.824	0.800	771			0.800				0.800	0.000
16	0.756	0.738	809			0.738				0.738	0.000
17	0.729	0.733	834			0.733				0.733	0.000
18	0.720	0.731	866			0.731				0.731	0.000
19	0.748	0.729	864			0.729				0.729	0.000
20	0.786	0.738	837			0.738				0.738	0.000
21	0.754	0.738	735			0.738				0.738	0.000
22	0.754	0.731	778			0.731				0.731	0.000
23	0.768	0.725	924			0.725				0.725	0.000
24	0.770	0.725	793			0.725				0.725	0.000
25	0.717	0.730	740			0.730				0.730	0.000
26	0.729	0.724	870			0.724				0.724	0.000
27	0.811	0.721	836			0.721				0.721	0.000
28	0.753	0.802	832			0.802				0.802	0.000
29	0.719	0.854	848			0.854				0.854	0.000
30	0.816	0.898	864			0.898				0.898	0.000
TOTAL	23.432	21.473		0.000	0.000	21.473	0.000	0.000	0.000	21.473	0.000
AVERAGE	0.781	0.716	773	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MAXIMUM	0.897	0.898	924	0.000	0.000	0.898	0.000	0.000	0.000	0.898	0.000
MINIMUM	0.717	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DAYS	30	29	29	0	0	29	0	0	0	29	0

DAYS WITH NO DISCHARGE = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL DECEMBER 2022

Discharge Monitoring DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	MAXIMUM GPM	**002 LND-001** N.POND MGD	**002 LND-001** S.POND MGD	**004 REC-001** FISCHER MGD UPPER	**003 REC-001** FISCHER MGD LOWER	**006 REC-001** PIALORSI MGD	**005 REC-001** HILLER MGD	IRRGATE TOTAL MGD	**001 EFF-001** RIVER MGD
1	0.877	0.912	879		Land	0.912				0.912	0.000
2	0.798	0.910	851		Land	0.910				0.910	0.000
3	0.800	0.908	918		Land	0.908				0.908	0.000
4	0.968	0.908	1011		Land	0.908				0.908	0.000
5	0.934	0.871	991		Land	0.363				0.363	0.508
6	0.885	1.081	1071		River Discharge					0.000	1.081
7	0.841	1.264	1301							0.000	1.264
8	0.859	1.256	1316							0.000	1.256
9	0.837	1.300	1278							0.000	1.300
10	1.027	1.249	1139							0.000	1.249
11	1.128	1.243	1068							0.000	1.243
12	0.970	1.253	1134							0.000	1.253
13	0.911	1.261	1255							0.000	1.261
14	0.874	1.263	1278							0.000	1.263
15	0.861	1.124	1314							0.000	1.124
16	0.844	0.948	916							0.000	0.948
17	0.855	0.948	1009							0.000	0.948
18	0.904	0.948	968							0.000	0.948
19	0.853	0.546	880							0.000	0.546
20	0.869	0.394	902		Land	0.394				0.394	0.000
21	0.887	0.923	929		Land	0.923				0.923	0.000
22	0.827	0.906	977		Land	0.395				0.395	0.511
23	0.849	0.848	825		River Discharge					0.000	0.848
24	0.856	0.848	925							0.000	0.848
25	0.810	0.844	827							0.000	0.844
26	0.954	0.976	996							0.000	0.976
27	1.182	0.701	1345							0.000	0.701
28	1.053	0.910	1144							0.000	0.910
29	1.012	1.746	1270							0.000	1.746
30	1.276	1.803	1321							0.000	1.803
31	1.214	1.833	1330							0.000	1.833
TOTAL	28.815	32.925		0.000	0.000	5.713	0.000	0.000	0.000	5.713	27.212
AVERAGE	0.930	1.062	1076	0.000	0.000	0.000	0.000	0.000	0.000	0.184	0.878
MAXIMUM	1.276	1.833	1345	0.000	0.000	0.923	0.000	0.000	0.000	0.923	1.833
MINIMUM	0.798	0.394	825	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DAYS	31	31		0	0	8	0	0	0	8	25

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

ANNUAL MONTHLY AVERAGES 2022

	MONTHLY TESTS EFF-001 DISCHARGE TO RIVER									LND-001 , REC-001 TO PERC PONDS and LAND							
January	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	0.07	1.1	1.3	95	5.5	Lab Error	ND	ND	DNQ .20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
February	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	0.14	1.2	4.0	99	7.4	ND	ND	ND	DNQ .17	4.30	280	1.2	4	ND	39	37	250
March	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	0.09	1.4	1.8	99	7.1	DNQ .07	ND	ND	DNQ .19	1.30	250	1.4	1.8	ND	40	43	250
April	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	0.37	2.4	1.2	94	5.1	ND	ND	ND	DNQ .18	ND	240	2.4	1.2	0.12	39	43	250
May	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	0.08	0.9	0.4	87	3.5	ND	ND	ND	DNQ .14	1.20	200	0.9	0.4	ND	34	40	260
June	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	240	1.1	0.5	ND	34	39	260
July	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.00	230	2.6	0.2	ND	34	42	260
August	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	260	1.7	0.5	ND	36	42	310
September	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	280	1.4	0.2	ND	43	44	320
October	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND	270	2.2	0.3	ND	38	46	310
November	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.60	280	1.9	2.2	ND	40	48	320
December	Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
	0.12	1.6	2.1	110	5.3	ND	ND	ND	ND	ND	260	1.6	2.1	ND	38	44	290

EXHIBIT D

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: January 2022

DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	RIVER Dilution	INFLUENT MONITORING B.O.D. mg/L	INFLUENT MONITORING TSS mg/L	EFFLUENT MONITORING pH	(C°) TEMP	B.O.D. mg/L	TSS mg/L	CL_2 RES.	RIVER CL_2 RES	SETTLEABLE SOLIDS	TOTAL COLIFORM	RSW-001 TIME	RSW-001 PH	RSW-001 TEMP	RSW-001 D.O.	RSW-002 TIME	RSW-002 PH	RSW-002 TEMP	RSW-002 D.O.
1	0.946	1.025	939	2210	0			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		13	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	400	360	7.0	12.9	2.6	2.9	1.4	0.00	<0.1									
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		<1.8								
11	0.974	0.000	0	4120	N/A							No Discharge				13:10	7.3	12.2	11.3	13:20	7.4	11.8	11.2
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	190	110	7.2	12.2	0.0	0.0	1.8	0.00	<0.1									
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		<1.8	15:20	7.5	10.0	11.7	15:30	7.4	10.0	11.6
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	370	340	7.2	11.8	0.0	1.4	2.0	0.00	<0.1									
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		<1.8								
25	0.862	1.054	1083	858	356			7.2	12.6			1.7	0.00			10:20	6.9	10.4	11.2	10:30	6.9	10.4	10.9
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	340	470	7.1	11.7	0.0	1.5	1.8	0.00	<0.1									
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		<1.8								

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
0.07	1.1	1.3	95	5.5	Lab Error	ND	ND	DNQ .20	N/A

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

Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

MONTHLY RIVER RSW-

TDS	Hardness	Ammonia	Conductivity	Turbidity
83	59	ND	135	21.7

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
77	56	ND	147	18.8

ACUTE TOXICITY		
Date	Species	TST Pass/Fail
1/6/2022	Rainbow Trout	Pass

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	1.7

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	1	7	100	1	14	100

EFF-001
REC-001
Quarterly
Permit Exceedance

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

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: February 2022

DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	RIVER Dilution	INFLUENT MONITORING B.O.D. mg/L	INFLUENT MONITORING TSS mg/L	EFFLUENT MONITORING pH	(C°) TEMP	B.O.D. mg/L	TSS mg/L	CL_2 RES.	RIVER CL_2 RES	SETTLEABLE SOLIDS	TOTAL COLIFORM	RSW-001 TIME	RSW-001 PH	RSW-001 TEMP	RSW-001 D.O.	RSW-002 TIME	RSW-002 PH	RSW-002 TEMP	RSW-002 D.O.
1	0.837	1.051	1106	400	162			6.9	12.6			1.4	0.00			15:00	7.5	9.5	9.7	15:10	7.4	9.2	9.4
2	0.841	1.052	1121	400	160			7.0	11.5			2.2	0.00										
3	0.838	1.046	1161	391	151			7.0	11.7			1.8	0.00										
4	0.818	1.045	1028	383	167	310	230	7.0	12.0	0.0	2.1	1.7	0.00	<0.1									
5	0.865	1.048	1036	375	162			7.1	11.7			1.7	0.00										
6	0.911	1.040	1062	367	155			7.1	11.9			1.7	0.00										
7	0.839	1.041	1088	355	146			7.0	11.6			2.0	0.00		<1.8								
8	0.831	1.040	1160	347	134			7.1	11.7			2.2	0.00			11:00	7.2	10.4	11.7	11:10	7.1	12.2	8.5
9	0.837	1.043	1040	331	143			7.0	12.7			1.5	0.00										
10	0.826	1.046	1022	312	137			7.0	13.1			1.5	0.00										
11	0.810	1.042	1013	304	135	320	220	7.0	13.0	0.0	1.8	1.5	0.00	<0.1									
12	0.841	1.043	1112	299	121			7.3	12.5			1.3	0.00										
13	0.904	1.038	1130	289	115			7.2	13.0			1.2	0.00										
14	0.830	0.947	1068	279	117			7.1	12.9			2.1	0.00		<1.8								
15	0.823	0.876	990	272	123			7.1	12.7			1.4	0.00			15:00	6.9	11.8	12.6	15:10	6.9	10.8	11.9
16	0.821	0.870	950	266	126			7.2	12.7			1.6	0.00										
17	0.812	0.877	878	253	129			7.2	12.9			1.1	0.00										
18	0.804	0.872	888	247	125	340	300	7.3	13.0	2.2	2.0	1.8	0.00	<0.1									
19	0.813	0.873	847	238	126			7.1	12.9			1.4	0.00										
20	0.862	0.868	840	232	124			7.0	13.0			1.6	0.00										
21	0.896	0.814	834	226	122			7.1	12.4			1.6	0.00										
22	0.852	0.769	803	238	133			6.9	12.4			2.0	0.00		<1.8	16:30	7.1	9.6	11.3	16:40	7.0	8.0	11.1
23	0.811	0.765	770	232	135			7.1	11.9			1.9	0.00										
24	0.790	0.867	877	220	113			7.2	11.8			1.9	0.00										
25	0.791	0.925	860	212	111	340	310	7.1	14.4	0.0	1.2	1.9	N/A	<0.1									
26	0.815	0.924	863	206	107			7.1	11.4			1.7	N/A										
27	0.874	0.920	865	206	107			7.1	11.6			1.8	N/A										
28	0.811	0.994	851	204	108			7.1	12.7			2.1	N/A		<1.8								

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
0.14	1.2	4.0	99	7.4	ND	ND	ND	DNQ .17	N/A

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

Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
4.30	280	1.2	4	ND	39	37	250

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
100	65	ND	108	5

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
130	69	ND	139	4.8

ACUTE TOXICITY		
Date	Species	TST Pass/Fail
2/10/2022	Rainbow Trout	Pass

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	1.7

	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
BOD & TSS 30 DAY AVERAGE	1	4	100	2	14	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: March 2022

						INFLUENT MONITORING		EFFLUENT MONITORING								RSW-001				RSW-002			
DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	RIVER Dilution	B.O.D. mg/L	TSS mg/L	pH	(C°) TEMP	B.O.D. mg/L	TSS mg/L	CL_2 RES.	RIVER CL_2 RES	SETTLEABLE SOLIDS	TOTAL COLIFORM	TIME	PH	TEMP	D.O.	TIME	PH	TEMP	D.O.
1	0.802	0.974	1093	N/A	N/A			7.2	13.2			1.8	N/A			15:50	6.8	12.5	11.4	16:00	6.9	11.6	11.0
2	0.808	0.988	1137	N/A	N/A			7.2	13.8			1.9	N/A										
3	0.800	0.777	1043	N/A	N/A			7.2	13.8			1.9	N/A										
4	0.789	0.894	1115	N/A	N/A	290	220	7.2	12.6	2.6	2.6	1.8	N/A	<0.1									
5	0.828	0.793	792	N/A	N/A			7.2	12.5			1.6	N/A										
6	0.881	0.792	795	N/A	N/A			7.3	12.6			1.4	N/A										
7	0.811	0.935	917	N/A	N/A			7.3	13.1			2.1	N/A		<1.8								
8	0.804	1.004	1135	N/A	N/A			7.3	13.2			1.5	N/A			9:10	7.7	10.5	11.0	9:20	7.6	11.5	9.8
9	0.793	0.998	1100	N/A	N/A			7.3	17.8			1.9	N/A										
10	0.792	0.991	1146	N/A	N/A			7.4	12.9			1.8	N/A										
11	0.794	0.888	1112	N/A	N/A	300	210	7.4	12.9	0.0	1.9	1.7	N/A	<0.1									
12	0.821	0.781	822	N/A	N/A			7.3	13.6			1.8	N/A										
13	0.839	0.753	848	N/A	N/A			7.2	13.7			1.6	N/A										
14	0.822	0.851	872	N/A	N/A			7.3	13.2			1.8	N/A		<1.8								
15	0.862	0.886	892	N/A	N/A			7.2	14.4			1.6	N/A			14:40	6.9	14.0	10.6	14:50	6.8	14.0	10.1
16	0.820	0.624	852	417	220			7.4	14.1			2.1	0.00										
17	0.803	0.548	667	285	192			7.3	13.8			1.6	0.00										
18	0.811	0.859	998	244	110	340	210	7.4	14.1	2.1	3.0	2.2	0.00	<0.1									
19	0.877	1.224	1302	N/A	N/A			7.3	14.2			1.9	N/A										
20	0.912	1.163	1383	N/A	N/A			7.2	12.8			1.2	N/A										
21	0.847	0.999	1298	N/A	N/A			7.4	14.2			1.5	N/A										
22	0.826	0.884	910	N/A	N/A			7.4	14.3			2.1	N/A		<1.8	8:40	7.8	11.2	10.0	8:50	7.8	12.0	9.6
23	0.816	0.893	935	N/A	N/A			7.4	14.9			2.1	N/A										
24	0.827	0.888	956	N/A	N/A			7.4	14.7			2.0	N/A										
25	0.799	0.852	947	N/A	N/A	330	260	7.4	14.9	0.0	3.3	2.2	N/A	<0.1									
26	0.824	0.808	823	N/A	N/A			7.4	15.3			2.0	N/A										
27	0.881	0.810	817	N/A	N/A			7.3	15.6			2.0	N/A										
28	0.816	0.852	838	N/A	N/A			7.4	15.9			2.1	N/A		<1.8								
29	0.803	0.886	944	N/A	N/A			7.4	15.9			2.1	N/A			14:40	6.9	13.8	10.4	14:50	7.2	14.5	10.0
30	0.795	0.875	943	N/A	N/A			7.4	14.7			2.2	N/A										
31	0.809	0.870	953	N/A	N/A			7.4	14.6			1.9	N/A										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
0.09	1.4	1.8	99	7.1	DNQ .07	ND	ND	DNQ .19	N/A

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

Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
1.30	250	1.4	1.8	ND	40	43	250

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
84	73	ND	130	1.1

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
91	71	ND	142	1.3

ACUTE TOXICITY			Quarterly Tests	Value in ug/l
Date	Species	TST Pass/Fail	Bromoform	ND
3/10/2022	Rainbow Trout	Pass	Chloroform	1.7

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	1	9	100	3	20	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____ Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: April 2022

	INFLUENT	EFFLUENT	EFFLUENT			INFLUENT MONITORING		EFFLUENT MONITORING								RSW-001				RSW-002			
	FLOW	FLOW	MAXIMUM	RIVER	RIVER	B.O.D.	TSS		(C°)	B.O.D.	TSS		RIVER	SETTLEABLE	TOTAL								
DATE	M.G.D.	M.G.D.	GPM	CFS	Dilution	mg/L	mg/L	pH	TEMP	mg/L	mg/L	CL_2 RES.	CL_2 RES	SOLIDS	COLIFORM	TIME	PH	TEMP	D.O.	TIME	PH	TEMP	D.O.
1	0.778	0.826	945	178	N/A	310	260	7.4	14.6	0.0	1.4	2.0	N/A	<0.1									
2	0.822	0.788	801	178	N/A			7.2	15.1			2.0	N/A										
3	0.877	0.787	785	155	N/A			7.4	15.0			1.7	N/A										
4	0.859	0.824	842	161	N/A			7.5	15.2			1.8	N/A		<1.8	8:05	7.6	13.1	9.4	8:15	7.6	13.2	9.5
5	0.827	0.888	848	472	N/A			7.1	14.1			1.6	N/A										
6	0.807	0.893	956	306	N/A			7.3	14.8			2.0	N/A										
7	0.808	0.891	961	235	N/A			7.5	15.3			2.0	N/A										
8	0.787	0.751	950	204	N/A	320	280	7.4	15.7	0.0	1.0	1.9	N/A	<0.1									
9	0.811	0.616	730	185	N/A			7.4	15.4			2.0	N/A										
10	0.846	0.603	707	173	N/A			7.4	14.3			2.0	N/A										
11	0.860	0.431	810	223	N/A			7.5	14.3			1.8	N/A		<1.8								
12	0.828	0.000	0	660	N/A						Washed CCB					14:30	6.9	12.3	10.9	14:40	6.9	11.8	11.0
13	0.849	0.890	1851	585	142			7.4	14.4			1.3	0.00										
14	0.877	1.286	1267	1040	368			7.4	13.3			1.4	0.00										
15	0.841	1.277	1582	2300	653	230	170	7.2	13.4	3.0	2.4	1.8	0.00	<0.1									
16	0.920	1.320	1311	2980	1020			7.4	13.4			1.9	0.00										
17	0.925	1.211	1281	3170	1111			7.4	13.3			1.9	0.00										
18	0.916	1.224	1270	2410	852			7.5	13.9			1.7	0.00		<1.8								
19	0.908	1.272	1311	4130	1414			7.4	13.8			1.8	0.00			8:15	7.5	12.8	10.7	8:25	7.5	13.0	7.4
20	0.896	1.293	1327	3320	1123			7.4	13.8			1.8	0.00										
21	0.904	1.297	1356	5810	1923			7.3	14.1			1.7	0.00										
22	0.887	1.276	1337	4500	1511	290	160	7.4	14.5	2.4	1.3	1.7	0.00	<0.1									
23	0.883	1.172	1237	3530	1281			7.3	14.7			2.0	0.00										
24	0.941	1.167	1246	2820	1016			7.4	15.4			2.2	0.00										
25	0.868	1.141	1269	2220	785			7.5	16.2			2.1	0.00		<1.8								
26	0.838	1.145	1283	1930	675			7.5	15.9			1.8	0.00										
27	0.877	1.073	1198	1510	566			7.5	15.4			2.3	0.00			15:30	7.3	13.0	10.4	15:40	7.2	12.8	8.6
28	0.846	0.971	1237	1280	464			7.4	15.9			1.2	0.00										
29	0.842	0.727	1078	1080	450	300	240	7.5	15.6	3.4	3.0	1.7	0.00	<0.1									
30	0.870	0.725	787	969	553			7.5	16.8			1.8	0.00										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
0.37	2.4	1.2	94	5.1	ND	ND	ND	DNQ .18	N/A

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

Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
ND	240	2.40	1.20	0.12	39	43	250

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
100	77	ND	160	1.6

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
120	77	ND	179	

ACUTE TOXICITY		
Date	Species	TST Pass/Fail
4/19/2022	Rainbow Trout	Pass

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	2.01

	BOD	BOD	BOD	TSS	TSS	TSS
BOD & TSS	mg/L	LBS/DAY	% Removal	mg/L	LBS/DAY	% Removal
30 DAY AVERAGE	1	14	99	2	14	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: May 2022

	INFLUENT	EFFLUENT	EFFLUENT			INFLUENT MONITORING		EFFLUENT MONITORING								RSW-001				RSW-002			
	FLOW	FLOW	MAXIMUM	RIVER	RIVER	B.O.D.	TSS		(C°)	B.O.D.	TSS		RIVER	SETTLEABLE	TOTAL								
DATE	M.G.D.	M.G.D.	GPM	CFS	Dilution	mg/L	mg/L	pH	TEMP	mg/L	mg/L	CL_2 RES.	CL_2 RES	SOLIDS	COLIFORM	TIME	PH	TEMP	D.O.	TIME	PH	TEMP	D.O.
1	0.927	0.790	783	922	529			7.5	16.8			1.3	0.00										
2	0.869	0.860	848	834	441			7.5	17.5			1.3	0.00		<1.8	15:20	7.4	12.8	10.9	15:30	7.2	13.7	9.7
3	0.846	0.929	962	818	382			7.4	16.8			1.2	0.00										
4	0.859	0.989	1049	722	309			7.5	16.4			1.2	0.00										
5	0.833	1.034	1192	674	254			7.5	17.0			1.5	0.00										
6	0.837	1.076	1190	846	319	350	250	7.5	16.9	2.3	2.0	1.7	0.00	<0.1									
7	0.874	0.816	1025	1060	464			7.4	16.3			2.1	0.00										
8	0.930	0.811	790	1750	994			7.3	16.1			1.4	0.00										
9	0.941	0.865	822	3140	1715			7.4	15.7			1.5	0.00		<1.8								
10	0.875	0.917	927	2710	1312			7.5	15.7			1.4	0.00			13:10	6.9	15.7	10.8	13:20	7.1	14.4	10.2
11	0.856	0.975	1020	2150	946			7.5	16.1			1.5	0.00										
12	0.842	1.019	1040	1890	816			7.5	16.7			1.3	0.00										
13	0.860	0.602	1115	1680	676	260	160	7.4	16.4	3.3	2.0	1.1	0.00	<0.1									
14	0.896	0.000	0	N/A	N/A				No Discharge			N/A	N/A										
15	0.939	0.000	0	N/A	N/A				No Discharge			N/A	N/A										
16	0.870	0.000	0	N/A	N/A				No Discharge			N/A	N/A										
17	0.852	0.438	1602	N/A	N/A			7.4	15.8		Land Discharge				<1.8	14:20	7.1	16.1	10.1	14:30	7.0	16.0	10.0
18	0.842	0.831	937	N/A	N/A			7.1	17.5			1.3	N/A										
19	0.829	0.821	1108	N/A	N/A			7.2	17.6			2.1	N/A										
20	0.831	0.532	965	N/A	N/A	370	220	7.3	16.7	4.4	1.6	1.5	N/A	<0.1									
21	0.846	0.000	0	N/A	N/A				No Discharge				N/A										
22	0.910	0.000	0	N/A	N/A				No Discharge				N/A										
23	0.860	0.512	1223	N/A	N/A			7.5	16.4			1.2	N/A										
24	0.826	0.912	1046	N/A	N/A			7.4	17.2			1.2	N/A		<1.8	13:15	7.3	17.2	9.7	13:25	7.2	17.0	10.2
25	0.825	0.979	1029	N/A	N/A			7.4	17.4			1.2	N/A										
26	0.806	0.994	1116	N/A	N/A			7.4	18.0			1.0	N/A										
27	0.805	0.919	980	N/A	N/A	330	270	7.2	17.6	2.8	1.6	1.3	N/A	<0.1									
28	0.799	0.843	908	N/A	N/A			7.2	17.9			1.5	N/A										
29	0.808	0.839	872	N/A	N/A			7.4	17.4			1.2	N/A										
30	0.871	0.841	876	N/A	N/A			7.3	17.1			1.1	N/A										
31	0.841	0.917	1086	N/A	N/A			7.3	17.7			1.2	N/A		<1.8	15:10	6.9	19.1	10.5	15:20	7.0	18.3	9.7

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
0.08	0.9	0.39	87	3.5	ND	ND	ND	DNQ .14	N/A

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

Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
1.20	200	0.92	0.39	ND	34	40	260

ACUTE TOXICITY		
Date	Species	TST Pass/Fail
5/3/2022	Rainbow Trout	Pass

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	2.01

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
70	63	ND	118	5.3

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
110	69	0.19	179	4.4

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	3	20	99	2	12	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____ Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: June 2022

DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	RIVER Dilution	INFLUENT MONITORING B.O.D. mg/L	INFLUENT MONITORING TSS mg/L	EFFLUENT MONITORING pH	(C°) TEMP	B.O.D. mg/L	TSS mg/L	CL_2 RES.	RIVER CL_2 RES	SETTLEABLE SOLIDS	TOTAL COLIFORM	RSW-001 TIME	RSW-001 PH	RSW-001 TEMP	RSW-001 D.O.	RSW-002 TIME	RSW-002 PH	RSW-002 TEMP	RSW-002 D.O.
1	0.829	0.902	1379	N/A	N/A			7.3	18.0			1.3	N/A			7:25	7.1	15.6	8.9	7:30	7.4	16.2	8.8
2	0.801	0.907	981	N/A	N/A			7.4	18.0			1.3	N/A										
3	0.795	0.969	974	N/A	N/A	340	280	7.3	18.6	3.6	2.6	1.4	N/A	<0.1									
4	0.866	0.920	966	N/A	N/A			7.3	18.3			1.1	N/A										
5	0.968	0.830	987	N/A	N/A			7.2	18.6			1.2	N/A										
6	0.868	0.918	996	N/A	N/A			7.2	19.4			1.3	N/A		<1.8								
7	0.846	0.916	1046	N/A	N/A			7.2	18.7			1.3	N/A			11:15	7.2	15.0	9.0	11:25	7.2	15.9	9.1
8	0.843	0.903	994	N/A	N/A			6.9	19.2			1.1	N/A										
9	0.822	0.917	985	N/A	N/A			7.0	18.8			1.4	N/A										
10	0.809	0.910	984	N/A	N/A	370	380	7.3	20.0	5.9	5.6	1.0	N/A	<0.1									
11	0.831	0.839	952	N/A	N/A			7.1	20.3			1.3	N/A										
12	0.913	0.843	869	N/A	N/A			7.2	19.8			1.7	N/A										
13	0.855	0.921	932	N/A	N/A			7.0	19.1			1.1	N/A		<1.8								
14	0.837	0.908	976	N/A	N/A			7.1	18.3			1.1	N/A			11:30	7.0	16.4	11.0	11:40	7.1	16.9	10.7
15	0.828	0.909	950	N/A	N/A			7.2	18.5			0.6	N/A										
16	0.825	0.902	998	N/A	N/A			7.4	18.8			1.9	N/A										
17	0.831	0.893	967	N/A	N/A	340	310	7.4	18.3	4.7	3.0	1.8	N/A	<0.1									
18	0.819	0.837	854	N/A	N/A			7.2	18.5			2.1	N/A										
19	0.844	0.830	832	N/A	N/A			7.3	18.9			1.6	N/A										
20	0.836	0.852	948	N/A	N/A			7.3	18.5			2.0	N/A		<1.8								
21	0.845	0.858	948	N/A	N/A			7.3	19.1			1.7	N/A										
22	0.832	0.875	988	N/A	N/A			7.3	19.5			1.9	N/A			11:37	6.6	18.9	9.6	11:25	6.6	20.4	8.8
23	0.804	0.905	1005	N/A	N/A			7.2	19.4			1.6	N/A										
24	0.786	0.863	942	N/A	N/A	370	340	7.2	19.3	4.8	3.6	1.1	N/A	<0.1									
25	0.782	0.791	819	N/A	N/A			7.3	19.5			0.6	N/A										
26	0.840	0.786	786	N/A	N/A			7.3	19.5			0.5	N/A										
27	0.832	0.865	945	N/A	N/A			7.3	19.6			0.9	N/A		4.5								
28	0.813	0.876	956	N/A	N/A			7.4	19.5			0.7	N/A										
29	0.795	0.929	1062	N/A	N/A			7.4	19.3			3.3	N/A			15:10	7.1	19.2	10.1	15:20	7.3	20.6	9.8
30	0.805	0.883	954	N/A	N/A			7.4	20.1			0.8	N/A										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
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	BORON
ND	240	1.10	0.47	ND	34	39	260

ACUTE TOXICITY		
Date	Species	% Survivial
	Rainbow Trout	N/A

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	2.01

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
100	69	ND	138	1.7

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
120	68	ND	161	1.9

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	5	36	99	4	28	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____ Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: July 2022

	INFLUENT	EFFLUENT	EFFLUENT			INFLUENT MONITORING		EFFLUENT MONITORING								RSW-001				RSW-002			
	FLOW	FLOW	MAXIMUM	RIVER	RIVER	B.O.D.	TSS		(C°)	B.O.D.	TSS		RIVER	SETTLEABLE	TOTAL								
DATE	M.G.D.	M.G.D.	GPM	CFS	Dilution	mg/L	mg/L	pH	TEMP	mg/L	mg/L	CL_2 RES.	CL_2 RES	SOLIDS	COLIFORM	TIME	PH	TEMP	D.O.	TIME	PH	TEMP	D.O.
1	0.841	0.858	950	N/A	N/A	420	320	7.1	18.7	4.0	2.2	1.7	N/A	N/A									
2	0.777	0.826	944	N/A	N/A			7.2	19.2			1.5	N/A	N/A									
3	0.757	0.812	836	N/A	N/A			7.2	18.8			1.4	N/A	N/A									
4	0.797	0.810	812	N/A	N/A			7.3	18.9			1.4	N/A	N/A									
5	0.810	0.819	817	N/A	N/A			7.2	19.0			1.5	N/A	N/A	4.5	10:00	7.2	18.6	8.9	10:10	7.4	18.4	8.1
6	0.826	0.955	1170	N/A	N/A			7.0	19.3			1.4	N/A	N/A									
7	0.803	0.906	1112	N/A	N/A			7.0	19.1			1.1	N/A	N/A									
8	0.792	0.936	1128	N/A	N/A	340	240	7.2	19.4	4.6	2.8	1.2	N/A	N/A									
9	0.769	0.817	949	N/A	N/A			7.3	19.4			1.0	N/A	N/A									
10	0.783	0.817	820	N/A	N/A			7.3	19.5			1.0	N/A	N/A									
11	0.816	0.897	1071	N/A	N/A			7.3	20.3			1.1	N/A	N/A	<1.8								
12	0.796	0.921	1076	N/A	N/A			7.1	20.2			1.0	N/A	N/A		14:35	7.4	21.1	10.1	14:45	7.5	22.2	10.4
13	0.790	0.907	1081	N/A	N/A			7.2	20.0			0.9	N/A	N/A									
14	0.795	0.919	1089	N/A	N/A			7.1	19.5			1.2	N/A	N/A									
15	0.806	0.907	1108	N/A	N/A	340	190	7.2	19.2	4.0	2.6	1.2	N/A	N/A									
16	0.794	0.000	0	N/A	N/A						No Discharge			N/A									
17	0.777	0.000	0	N/A	N/A						No Discharge			N/A									
18	0.794	0.281	2358	N/A	N/A			7.4	19.6			1.4	N/A	N/A									
19	0.775	0.877	1089	N/A	N/A			7.3	19.4			1.5	N/A	N/A	<1.8	9:40	7.0	17.8	9.2	9:52	7.2	18.5	8.2
20	0.775	0.890	1068	N/A	N/A			7.4	19.0			1.6	N/A	N/A									
21	0.787	0.897	1072	N/A	N/A			7.3	18.9			0.9	N/A	N/A									
22	0.794	0.899	1125	N/A	N/A	380	260	7.4	19.1	3.7	3.1	1.0	N/A	N/A									
23	0.771	0.787	789	N/A	N/A			7.1	19.5			0.9	N/A	N/A									
24	0.790	0.609	800	N/A	N/A			7.4	19.3			0.9	N/A	N/A									
25	0.818	0.000	0	N/A	N/A						No Discharge			N/A									
26	0.786	0.000	0	N/A	N/A						No Discharge			N/A		15:40	7.2	21.7	10.6	15:45	7.6	22.3	11.1
27	0.789	0.000	0	N/A	N/A						No Discharge			N/A									
28	0.780	0.555	1196	N/A	N/A			7.2	18.1			1.8	N/A	N/A	<1.8								
29	0.775	0.889	1084	N/A	N/A	300	240	7.3	19.6	3.9	2.9	1.0	N/A	N/A									
30	0.773	0.797	817	N/A	N/A			7.2	20.1			1.2	N/A	N/A									
31	0.823	0.802	810	N/A	N/A			7.2	20.1			1.4	N/A	N/A									

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
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	BORON
1.00	230	2.60	0.22	ND	34	42	260

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
100	85	ND	182	0.9

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
120	84	ND	157	1

ACUTE TOXICITY		
Date	Species	% Survivial
	Rainbow Trout	N/A

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	3.32

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	4	25	99	3	18	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: August 2022

	INFLUENT	EFFLUENT	EFFLUENT			INFLUENT MONITORING		EFFLUENT MONITORING								RSW-001				RSW-002			
DATE	FLOW M.G.D.	FLOW M.G.D.	MAXIMUM GPM	RIVER CFS	RIVER Dilution	B.O.D. mg/L	TSS mg/L	pH	(C°) TEMP	B.O.D. mg/L	TSS mg/L	CL_2 RES.	RIVER CL_2 RES	SETTLEABLE SOLIDS	TOTAL COLIFORM	TIME	PH	TEMP	D.O.	TIME	PH	TEMP	D.O.
1	0.810	0.974	1255	N/A	N/A			7.2	20.2			1.8	N/A		2	16:00	7.6	22.0	11.5	16:10	7.7	21.8	11.0
2	0.795	0.973	1046	N/A	N/A			7.0	20.0			1.8	N/A										
3	0.775	0.891	1075	N/A	N/A			7.2	19.7			1.7	N/A										
4	0.770	0.893	1044	N/A	N/A			7.2	19.6			1.7	N/A										
5	0.772	0.929	1059	N/A	N/A	380	320	7.2	20.1	ND	4.0	1.9	N/A	<0.1									
6	0.778	0.796	786	N/A	N/A			7.3	19.9			1.7	N/A										
7	0.835	0.802	772	N/A	N/A			7.2	19.9			1.9	N/A										
8	0.798	0.888	997	N/A	N/A			7.3	19.7			2.1	N/A		<1.8								
9	0.790	0.873	900	N/A	N/A			7.1	19.4			1.6	N/A			13:30	7.4	21.8	11.2	13:40	7.5	22.1	10.9
10	0.806	0.817	778	N/A	N/A			6.9	21.4			1.7	N/A										
11	0.781	0.810	773	N/A	N/A			7.2	19.9			1.8	N/A										
12	0.774	0.812	776	N/A	N/A	420	360	7.2	20.0	2.2	2.1	1.6	N/A	<0.1									
13	0.791	0.785	766	N/A	N/A			7.1	19.9			2.0	N/A										
14	0.841	0.789	755	N/A	N/A			7.1	20.2			1.6	N/A										
15	0.839	0.795	811	N/A	N/A			7.1	20.0			2.2	N/A		<1.8								
16	0.816	0.884	1049	N/A	N/A			7.3	20.0			2.0	N/A			8:30	6.9	18.7	8.1	8:40	7.2	18.6	7.2
17	0.782	0.892	1022	N/A	N/A			7.2	19.9			1.8	N/A										
18	0.767	0.895	1054	N/A	N/A			7.0	19.9			1.6	N/A										
19	0.768	0.880	1014	N/A	N/A	370	210	7.0	19.8	3.6	3.0	1.6	N/A	<0.1									
20	0.772	0.786	782	N/A	N/A			7.0	20.0			1.7	N/A										
21	0.830	0.784	766	N/A	N/A			7.2	20.0			1.4	N/A										
22	0.797	0.840	787	N/A	N/A			7.2	20.1			1.7	N/A		<1.8								
23	0.777	0.851	881	N/A	N/A			7.0	20.3			1.7	N/A			15:00	6.9	21.7	8.3	15:10	7.6	22.7	9.6
24	0.776	0.896	1055	N/A	N/A			7.2	20.4			1.6	N/A										
25	0.780	0.867	1045	N/A	N/A			6.9	20.3			1.7	N/A										
26	0.760	0.887	1076	N/A	N/A	340	230	7.1	20.2	2.1	1.9	1.6	N/A	<0.1									
27	0.781	0.773	827	N/A	N/A			7.3	19.7			1.5	N/A										
28	0.851	0.774	740	N/A	N/A			7.3	19.7			1.5	N/A										
29	0.786	0.897	1078	N/A	N/A			7.4	19.6			1.6	N/A		<1.8								
30	0.772	0.898	1052	N/A	N/A			7.2	19.4			1.6	N/A			16:15	7.0	19.3	9.2	16:22	7.9	19.7	11.6
31	0.778	0.888	1072	N/A	N/A			7.2	19.4			1.5	N/A										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
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	BORON
ND	260	1.70	0.53	ND	36	42	310

ACUTE TOXICITY		
Date	Species	% Survivial
	Rainbow Trout	N/A

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	3.32

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
810	230	ND	289	0.7

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
180	110	ND	1220	0.8

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	2	14	99	3	20	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____ Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: September 2022

DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	RIVER Dilution	INFLUENT MONITORING B.O.D. mg/L	INFLUENT MONITORING TSS mg/L	EFFLUENT MONITORING pH	(C°) TEMP	B.O.D. mg/L	TSS mg/L	CL_2 RES.	RIVER CL_2 RES	SETTLEABLE SOLIDS	TOTAL COLIFORM	RSW-001 TIME	RSW-001 PH	RSW-001 TEMP	RSW-001 D.O.	RSW-002 TIME	RSW-002 PH	RSW-002 TEMP	RSW-002 D.O.
1	0.768	0.873	1081	N/A	N/A			7.3	18.3			0.8	N/A										
2	0.762	0.847	1086	N/A	N/A	370	280	7.3	18.9	2.5	1.3	1.8	N/A										
3	0.779	0.661	729	N/A	N/A			7.2	19.4			1.0	N/A										
4	0.779	0.661	714	N/A	N/A			7.3	18.9			0.8	N/A										
5	0.842	0.656	734	N/A	N/A			7.2	19.0			1.0	N/A	<0.1									
6	0.777	0.735	960	N/A	N/A			7.3	19.4			1.4	N/A		<1.8	13:40	7.1	21.8	9.3	13:50	7.2	21.9	8.7
7	0.774	0.739	961	N/A	N/A			7.3	19.3			1.3	N/A										
8	0.754	0.702	894	N/A	N/A			7.3	19.4			1.4	N/A										
9	0.752	0.695	854	N/A	N/A	420	280	7.2	19.3	2.2	3.1	1.4	N/A										
10	0.785	0.634	691	N/A	N/A			7.2	19.7			1.4	N/A										
11	0.815	0.640	681	N/A	N/A			7.2	19.4			1.4	N/A										
12	0.777	0.701	905	N/A	N/A			7.3	19.6			1.6	N/A	<0.1	<1.8								
13	0.762	0.711	887	N/A	N/A			7.3	18.7			1.3	N/A			15:50	7.0	21.3	9.0	16:00	7.3	20.3	10.4
14	0.758	0.673	870	N/A	N/A			7.3	18.6			1.4	N/A										
15	0.758	0.627	652	N/A	N/A			7.3	18.6			1.4	N/A										
16	0.736	0.704	905	N/A	N/A	330	210	7.3	18.6	ND	1.4	1.4	N/A										
17	0.762	0.625	626	N/A	N/A			7.2	18.6			1.4	N/A										
18	0.844	0.627	683	N/A	N/A			7.2	18.5			1.3	N/A										
19	0.788	0.683	920	N/A	N/A			7.3	18.7			1.2	N/A	<0.1	<1.8								
20	0.770	0.737	773	N/A	N/A			7.3	18.4			1.2	N/A			13:50	7.1	20.5	9.2	14:00	7.3	20.5	8.7
21	0.778	0.801	798	N/A	N/A			7.2	18.9			1.9	N/A										
22	0.761	0.803	794	N/A	N/A			7.3	18.6			1.8	N/A										
23	0.734	0.799	789	N/A	N/A	370	310	7.2	18.5	ND	2.0	1.8	N/A										
24	0.769	0.798	840	N/A	N/A			7.0	18.5			1.6	N/A										
25	0.822	0.800	821	N/A	N/A			7.0	18.3			1.7	N/A										
26	0.789	0.860	969	N/A	N/A			7.3	18.5			1.6	N/A	<0.1	<1.8								
27	0.775	1.050	1000	N/A	N/A			7.1	18.8			1.5	N/A			16:00	7.1	19.3	9.4	16:10	7.3	19.4	9.3
28	0.771	0.866	1038	N/A	N/A			7.2	18.5			1.9	N/A										
29	0.769	0.781	853	N/A	N/A			7.0	18.4			1.7	N/A										
30	0.743	0.773	775	N/A	N/A	390	320	6.9	18.3	2.2	1.1	1.5	N/A										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
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	BORON
ND	280	1.40	0.21	ND	43	44	320

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
160	110	ND	249	0.8

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
660	190	ND	970	0.9

ACUTE TOXICITY		
Date	Species	% Survivial
	Rainbow Trout	N/A

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	3.32

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	1	8	100	2	11	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____ Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: October 2022

	INFLUENT	EFFLUENT	EFFLUENT			INFLUENT MONITORING		EFFLUENT MONITORING								RSW-001				RSW-002			
	FLOW	FLOW	MAXIMUM	RIVER	RIVER	B.O.D.	TSS		(C°)	B.O.D.	TSS		RIVER	SETTLEABLE	TOTAL								
DATE	M.G.D.	M.G.D.	GPM	CFS	Dilution	mg/L	mg/L	pH	TEMP	mg/L	mg/L	CL_2 RES.	CL_2 RES	SOLIDS	COLIFORM	TIME	PH	TEMP	D.O.	TIME	PH	TEMP	D.O.
1	0.780	0.779	803	N/A	N/A			7.0	18.4			1.7	N/A										
2	0.833	0.770	777	N/A	N/A			7.1	18.1			1.8	N/A										
3	0.795	0.780	775	N/A	N/A			7.0	18.1			1.3	N/A		<1.8	11:25	7.0	17.8	9.0	11:35	6.9	17.7	8.4
4	0.756	0.785	811	N/A	N/A			7.2	18.5			1.5	N/A										
5	0.756	0.797	796	N/A	N/A			7.0	17.9			1.3	N/A										
6	0.753	0.866	931	N/A	N/A			7.2	18.4			1.7	N/A										
7	0.739	0.845	909	N/A	N/A	360	400	7.0	17.6	0.0	1.7	1.3	N/A	<0.1									
8	0.772	0.779	778	N/A	N/A			7.2	17.7			1.2	N/A										
9	0.831	0.779	757	N/A	N/A			7.0	18.5			1.8	N/A										
10	0.784	0.768	780	N/A	N/A			7.1	17.3			1.6	N/A										
11	0.780	0.830	906	N/A	N/A			7.2	17.3			1.6	N/A		<1.8	15:30	7.1	18.1	9.5	3:40	7.1	17.4	9.6
12	0.770	0.673	893	N/A	N/A			7.2	17.1			1.8	N/A										
13	0.759	0.856	914	N/A	N/A			7.1	17.1			1.5	N/A										
14	0.750	0.819	885	N/A	N/A	370	280	7.2	16.7	0.0	1.9	1.5	N/A	<0.1									
15	0.758	0.769	805	N/A	N/A			7.1	16.9			1.6	N/A										
16	0.812	0.760	785	N/A	N/A			7.1	16.9			1.8	N/A										
17	0.766	0.806	881	N/A	N/A			7.1	17.0			1.6	N/A		<1.8								
18	0.745	0.835	908	N/A	N/A			7.2	16.7			1.8	N/A			11:30	6.9	16.7	9.3	11:43	6.8	16.1	9.5
19	0.752	0.841	896	N/A	N/A			7.2	16.4			1.5	N/A										
20	0.741	0.820	885	N/A	N/A			7.1	16.8			1.6	N/A										
21	0.738	0.834	899	N/A	N/A	400	300	7.2	16.5	0.0	2.5	1.6	N/A	<0.1									
22	0.775	0.760	804	N/A	N/A			7.1	16.7			1.5	N/A										
23	0.822	0.763	852	N/A	N/A			7.2	16.2			1.4	N/A										
24	0.761	0.848	1073	N/A	N/A			7.2	15.4			1.5	N/A		<1.8								
25	0.758	0.482	910	N/A	N/A			7.1	16.2			1.7	N/A			15:20	6.9	14.7	10.5	15:28	6.9	14.5	10.2
26	0.776	0.000	0	N/A	N/A								N/A										
27	0.736	0.537	1180	N/A	N/A			7.1	15.8			1.1	N/A										
28	0.728	0.857	935	N/A	N/A	370	220	7.0	15.0	0.0	2.1	1.6	N/A	<0.1									
29	0.765	0.785	788	N/A	N/A			7.2	14.9			1.8	N/A										
30	0.815	0.778	774	N/A	N/A			7.2	15.2			1.6	N/A										
31	0.727	0.872	947	N/A	N/A			7.1	15.1			2.0	N/A		<1.8								

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
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	BORON
ND	270	2.20	0.30	ND	38	46	310

ACUTE TOXICITY		
Date	Species	% Survivial
	Rainbow Trout	N/A

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	2.25

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
110	88	ND	190	0.5

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
310	120	ND	530	0.6

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	0	0	100	2	14	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____

Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: November 2022

	INFLUENT	EFFLUENT	EFFLUENT			INFLUENT MONITORING		EFFLUENT MONITORING								RSW-001				RSW-002			
DATE	FLOW M.G.D.	FLOW M.G.D.	MAXIMUM GPM	RIVER CFS	RIVER Dilution	B.O.D. mg/L	TSS mg/L	pH	(C°) TEMP	B.O.D. mg/L	TSS mg/L	CL_2 RES.	RIVER CL_2 RES	SETTLEABLE SOLIDS	TOTAL COLIFORM	TIME	PH	TEMP	D.O.	TIME	PH	TEMP	D.O.
1	0.796	0.298	738	N/A	N/A			7.2	15.9			1.7	N/A			11:20	7.0	13.6	9.6	11:30	7.1	14.2	9.4
2	0.794	0.000	0	N/A	N/A		Washed CCB						N/A										
3	0.749	0.495	793	N/A	N/A			7.2	13.4			1.3	N/A										
4	0.736	0.809	754	N/A	N/A	340	220	7.3	14.6	0.0	2.2	1.5	N/A	<0.1									
5	0.863	0.803	834	N/A	N/A			7.2	14.9			1.3	N/A										
6	0.897	0.803	909	N/A	N/A			7.2	15.3			1.4	N/A										
7	0.816	0.765	828	N/A	N/A			7.2	13.7			1.3	N/A		<1.8								
8	0.822	0.800	732	N/A	N/A			7.0	14.1			0.9	N/A			15:00	7.1	10.7	10.9	15:15	7.1	10.9	10.6
9	0.769	0.736	703	N/A	N/A			6.9	14.0			0.9	N/A										
10	0.792	0.777	797	N/A	N/A	360	230	7.1	13.1	0.0	1.1	1.0	N/A	<0.1									
11	0.791	0.766	697	N/A	N/A			7.1	13.7			0.8	N/A										
12	0.810	0.762	721	N/A	N/A			7.1	13.4			1.3	N/A										
13	0.818	0.769	772	N/A	N/A			7.1	13.0			0.8	N/A										
14	0.825	0.773	718	N/A	N/A			7.1	12.6			0.9	N/A		<1.8								
15	0.824	0.800	771	N/A	N/A			7.1	12.7			0.9	N/A			8:50	7.0	9.7	10.9	9:00	7.1	10.0	9.4
16	0.756	0.738	809	N/A	N/A			7.2	14.0			0.7	N/A										
17	0.729	0.733	834	N/A	N/A			7.2	13.0			0.9	N/A										
18	0.720	0.731	866	N/A	N/A	290	230	7.2	12.4	0.0	0.0	2.5	N/A	<0.1									
19	0.748	0.729	864	N/A	N/A			7.0	12.4			2.0	N/A										
20	0.786	0.738	837	N/A	N/A			7.0	12.4			2.0	N/A										
21	0.754	0.738	735	N/A	N/A			7.1	12.3			1.9	N/A		<1.8								
22	0.754	0.731	778	N/A	N/A	360	290	6.9	12.1	3.0	0.0	1.8	N/A	<0.1		15:30	7.3	12.8	11.2	15:40	7.4	12.9	11.3
23	0.768	0.725	924	N/A	N/A			7.3	13.0			1.7	N/A										
24	0.770	0.725	793	N/A	N/A			7.3	12.2			1.6	N/A										
25	0.717	0.730	740	N/A	N/A			7.3	12.4			1.6	N/A										
26	0.729	0.724	870	N/A	N/A			7.3	12.6			1.6	N/A										
27	0.811	0.721	836	N/A	N/A			7.3	12.3			1.6	N/A										
28	0.753	0.802	832	N/A	N/A			7.1	13.3			1.4	N/A	<0.1	<1.8								
29	0.719	0.854	848	N/A	N/A			7.1	12.7			1.6	N/A			16:00	7.2	9.6	10.4	16:10	7.3	9.8	10.0
30	0.816	0.898	864	N/A	N/A			7.0	12.6			1.4	N/A										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
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	BORON
1.60	280	1.9	2.2	ND	40	48	320

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
500	160	ND	318	1.6

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
1800	360	ND	407	1.7

ACUTE TOXICITY		
Date	Species	TST Pass/Fail
	Rainbow Trout	N/A

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	2.25

BOD & TSS	BOD	BOD	BOD	TSS	TSS	TSS
	mg/L	LBS/DAY	% Removal	mg/L	LBS/DAY	% Removal
30 DAY AVERAGE	1	5	100	1	5	100

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____ Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: December 2022

	INFLUENT	EFFLUENT	EFFLUENT			INFLUENT MONITORING		EFFLUENT MONITORING								RSW-001				RSW-002			
	FLOW	FLOW	MAXIMUM	RIVER	RIVER	B.O.D.	TSS		(C°)	B.O.D.	TSS		RIVER	SETTLEABLE	TOTAL								
DATE	M.G.D.	M.G.D.	GPM	CFS	Dilution	mg/L	mg/L	pH	TEMP	mg/L	mg/L	CL_2 RES.	CL_2 RES	SOLIDS	COLIFORM	TIME	PH	TEMP	D.O.	TIME	PH	TEMP	D.O.
1	0.877	0.912	879	N/A	N/A			7.1	12.3			1.1	Land			11:20	7.0	9.6	11.3	11:30	7.0	10.0	11.4
2	0.798	0.910	851	N/A	N/A	300	330	7.1	11.7	0.0	1.2	1.2	Land	<0.1									
3	0.800	0.908	918	N/A	N/A			7.1	11.3			1.2	Land										
4	0.968	0.908	1011	N/A	N/A			7.1	11.6			1.0	Land										
5	0.934	0.871	991	2060	933			7.1	11.6			1.5	0.00		<1.8								
6	0.885	1.081	1071	1350	566			7.0	11.5			1.2	0.00			15:45	7.2	9.8	11.1	15:55	7.3	10.4	10.5
7	0.841	1.264	1301	681	235			7.1	11.6			2.6	0.00										
8	0.859	1.256	1316	419	143			7.0	12.3			1.9	0.00										
9	0.837	1.300	1278	576	202	260	170	7.1	11.7	2.9	2.2	1.7	0.00	<0.1									
10	1.027	1.249	1139	701	276			7.0	12.0			1.9	0.00										
11	1.128	1.243	1068	4080	1715			7.1	11.5			1.4	0.00										
12	0.970	1.253	1134	1510	598			7.0	11.3			3.1	0.00		<1.8								
13	0.911	1.261	1255	851	304			7.0	10.8			2.4	0.00			15:50	7.0	9.8	11.7	16:00	7.1	9.3	11.4
14	0.874	1.263	1278	559	196			7.0	10.7			2.0	0.00										
15	0.861	1.124	1314	410	140			7.0	10.7			1.6	0.00										
16	0.844	0.948	916	328	161	320	230	6.9	10.2	0.0	1.1	1.5	0.00	<0.1									
17	0.855	0.948	1009	285	127			6.9	10.0			1.9	0.00										
18	0.904	0.948	968	257	119			7.1	10.1			2.0	0.00										
19	0.853	0.546	880	224	114			7.2	10.3			2.0	0.00		<1.8								
20	0.869	0.394	902	N/A	N/A			7.0	11.3			1.0	Land			14:25	6.8	8.3	11.9	14:35	6.9	8.3	11.7
21	0.887	0.923	929	N/A	N/A	370	340	7.0	11.4	2.6	1.0	2.4	Land										
22	0.827	0.906	977	N/A	N/A			6.9	11.7			2.3	0.00	<0.1									
23	0.849	0.848	825	478	260			7.0	11.3			2.8	0.00										
24	0.856	0.848	925	858	416			7.1	11.5			2.0	0.00										
25	0.810	0.844	827	694	377			7.1	12.3			2.0	0.00										
26	0.954	0.976	996	770	347			7.2	13.0			2.2	0.00										
27	1.182	0.701	1345	7350	2453			7.2	13.6			2.1	0.00		<1.8	14:45	7.1	10.7	10.8	14:30	6.9	10.7	11.3
28	1.053	0.910	1144	7430	2915	440	320	7.2	11.8	3.6	6.0	0.7	0.00										
29	1.012	1.746	1270	4940	1746			6.9	11.6			1.6	0.00										
30	1.276	1.803	1321	11100	3772			7.0	12.1			1.6	0.00	<0.1									
31	1.214	1.833	1330	21200	7155			6.9	12.2			1.8	0.00										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
0.12	1.6	2.1	110	5.3	ND	ND	ND	ND	N/A

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

Organic nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
ND	260	1.60	2.10	ND	38	44	290

ACUTE TOXICITY		
Date	Species	TST Pass/Fail
12/13/2022	Rainbow Trout	Pass

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	2.25

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
170	74	ND	222	7.3

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
120	76	ND	150	5.4

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	2	16	99	2	19	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____ Remarks:_____

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
Average Annual 2022

	INFLUENT						EFFLUENT											RIVER RSW-001			RIVER RSW-002		
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL_2 Res	River CL_2 Res	Coliform	BOD	NFR	pH	Temp	D.O.	pH	Temp	D.O.
January	7.9	14.5	21	58	325	320	7.1	12.3	5.4	<0.1	2.30	1.5	1.8	0.0	<1.8	0.7	1.5	7.1	11.1	11.3	7.1	11.0	11.2
February	8.0	14.6	18	57	328	265	7.1	12.4	5.4	<0.1	1.30	1.0	1.7	0.0	<1.8	0.6	1.8	7.2	10.3	11.3	7.1	10.1	10.2
March	8.0	15.0	17	58	315	225	7.3	14.1	7.5	<0.1	1.96	1.3	1.9	0.0	<1.8	1.2	2.7	7.2	12.4	10.7	7.26	12.7	10.1
April	7.9	15.1	21	54	290	222	7.4	14.7	8.1	<0.1	1.77	1.0	1.8	0.0	<1.8	1.8	1.8	7.3	12.8	10.4	7.3	12.7	9.1
May	8.0	16.5	17	56	327.5	225	7.4	16.9	6.2	<0.1	1.74	1.3	1.5	0.0	<1.8	3.2	1.8	7.1	16.2	10.4	7.1	15.9	10.0
June	7.8	18.3	19	55	355	328	7.2	19.0	5.5	<0.1	1.77	1.5	1.4	0.0	<1.8	4.8	3.7	7.0	17.0	9.7	7.12	18.0	9.4
July	7.7	19.1	16	52	356	250	7.2	19.4	4.1	<0.1	2.05	1.2	2.1	0.0	<1.8	4.0	2.7	7.2	19.8	9.7	7.4	20.4	9.5
August	7.8	20.0	19	60	377.5	280	7.2	19.9	3.8	<0.1	1.54	0.9	1.7	0.0	<1.8	2.0	2.8	7.1	20.4	9.2	7.55	20.8	9.8
Septembe	7.7	19.78	16	61	376	280	7.2	18.8	4.2	<0.1	1.99	1.2	1.4	0.0	<1.8	1.4	1.8	7.1	20.7	9.23	7.28	20.5	9.28
October	7.7	18.7	35	64	375	300	7.1	16.8	4.0	<0.1	1.67	0.7	1.6	0.0	<1.8	0.0	2.1	7.0	16.8	9.6	6.93	16.4	9.4
November	7.8	16.4	23	66	338	243	7.1	13.2	5.6	<0.1	3.16	0.6	1.4	0.0	<1.8	0.8	0.8	7.1	11.3	10.6	7.2	11.6	10.1
December	7.9	14.9	21	62	338	278	7.0	11.5	5.8	<0.1	2.03	0.9	1.8	0.0	<1.8	1.8	2.3	7.0	9.7	11.4	7.1	9.7	11.2
Average	7.9	16.9	20.1	59	342	268	7.2	15.8	5.5	<0.1	1.94	1.1	1.7	0.0	<1.8	1.8	2.1	7.1	14.9	10.3	7.2	15.0	10.0
Maximum	8.0	20.0	34.5	66.2	378	328	7.4	19.9	8.1	<0.1	3.2	1.5	2.1	0.0	<1.8	4.8	3.7	7.3	20.7	11.4	7.6	20.8	11.2
Minimum	7.7	14.5	16.0	52	290	222	7.0	11.5	3.8	<0.1	1.30	0.6	1.4	0.0	<1.8	0.0	0.8	7.0	9.7	9.2	6.9	9.7	9.1

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
January 2022

	INFLUENT						EFFLUENT										RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	7.3	13.4					6.9	10.9	5.2			2.5	1.7	0.00											
2	7.6	14.1					6.9	10.4	4.8			2.2	1.7	0.00											
3	7.8	14.6		48			7.0	13.0	6.4		1.28	2.0	1.5	0.00	13			15:30	6.7	11.7	11.1	15:45	6.8	11.8	11.2
4	8.1	14.9		64			7.1	12.9	7.1		1.94	2.6	1.8	0.00											
5	8.0	13.1		60			6.9	11.6	5.8		1.84	1.2	1.8	0.00											
6	7.5	14.7		54			7.0	13.4	6.7		2.04	2.9	2.1	0.00											
7	7.7	14.3	20	52	400	360	7.0	12.9	5.9	<0.1	2.04	1.9	1.4	0.00		2.6	2.9								
8	7.9	14.6					7.2	11.8	6.1			2.8	1.8	0.00											
9	7.9	14.1					7.2	11.0	6.1			2.1	1.5	0.00											
10	8.1	14.8		48			7.1	12.1	4.9		2.10	1.8	1.5	0.00	<1.8										
11	8.1	14.9		46							No Discharge							13:10	7.3	12.2	11.3	13:20	7.4	11.8	11.2
12	8.2	14.7		56			7.1	13.4	4.6		2.64	1.4	1.4	0.00											
13	8.0	15.1		44			7.1	12.8	4.4		2.34	1.3	2.1	0.00											
14	8.1	14.6	14	58	190	110	7.2	12.2	4.7	<0.1	2.24	1.3	1.8	0.00		0.0	0.0								
15	7.8	14.8					7.1	11.9	5.0			1.3	1.9	0.00											
16	7.9	14.6					7.1	12.0	4.6			1.3	1.7	0.00											
17	8.0	14.4					7.1	11.8	4.9			1.4	1.9	0.00											
18	8.1	14.6		58			7.0	12.1	4.7		2.10	1.1	2.1	0.00	<1.8			15:20	7.5	10.0	11.7	15:30	7.4	10.0	11.6
19	8.0	14.3		60			7.0	11.8	4.9		2.02	1.4	2.1	0.00											
20	7.7	15.5		48			7.1	12.5	5.4		1.80	1.0	2.0	0.00											
21	7.5	13.9	28	54	370	340	7.2	11.8	8.0	<0.1	1.86	1.2	2.0	0.00		0.0	1.4								
22	7.9	13.9					7.0	12.8	5.4			1.2	1.7	0.00											
23	7.6	14.3					7.0	12.8	4.8			1.8	1.8	0.00											
24	8.0	15.5		76			7.0	13.5	5.4		1.62	1.0	1.6	0.00	<1.8										
25	8.2	15.6		80			7.2	12.6	5.1		1.82	1.0	1.7	0.00				10:20	6.9	10.4	11.2	10:30	6.9	10.4	10.9
26	8.0	15.1		68			7.2	13.1	5.6		3.88	0.8	1.4	0.00											
27	8.0	15.0		64			7.1	12.1	4.9		4.80	0.7	1.8	0.00											
28	7.7	14.5	20	48	340	470	7.1	11.7	4.9	<0.1	3.68	0.9	1.8	0.00		0.0	1.5								
29	7.6	13.9					7.0	11.9	5.9			0.8	1.3	0.00											
30	7.5	13.9					6.9	11.8	4.5			1.6	2.4	0.00											
31	7.6	14.8		78			6.9	13.0	6.2		1.70	1.0	1.5	0.00	<1.8										
Average	7.9	14.5	21	58	325	320	7.1	12.3	5.4	<0.1	2.30	1.5	1.8	0.0	<1.8	0.7	1.5		7.1	11.1	11.3		7.1	11.0	11.2
Maximum	8.2	15.6	28	80	400	470	7.2	13.5	8.0	<0.1	4.80	2.9	2.4	0.0	13	2.6	2.9		7.5	12.2	11.7		7.4	11.8	11.6
Minimum	7.3	13.1	14	44	190	110	6.9	10.4	4.4	<0.1	1.28	0.7	1.3	0.0	<1.8	0.0	0.0		6.7	10.0	11.1		6.8	10.0	10.9

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
February 2022

	INFLUENT						EFFLUENT										RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	7.7	14.7		72			6.9	12.6	6.4		1.40	2.0	1.4	0.00				15:00	7.5	9.5	9.7	15:10	7.4	9.2	9.4
2	7.7	14.7		66			7.0	11.5	5.5		5.00	1.4	2.2	0.00											
3	7.5	14.1		34			7.0	11.7	4.5		1.82	1.0	1.8	0.00											
4	7.9	13.8	16	50	310	230	7.0	12.0	4.6	<0.1	1.30	1.1	1.7	0.00		0.0	2.1								
5	8.6	14.3					7.1	11.7				1.0	1.7	0.00											
6	8.1	14.0					7.1	11.9				1.0	1.7	0.00											
7	7.8	14.2		46			7.0	11.6	4.5		1.54	1.2	2.0	0.00	<1.8										
8	8.1	14.6		44			7.1	11.7	4.6		1.46	1.0	2.2	0.00				11:00	7.2	10.4	11.7	11:10	7.1	12.2	8.5
9	8.1	15.2		68			7.0	12.7	4.5		1.12	0.8	1.5	0.00											
10	8.2	14.8		72			7.0	13.1	4.4		0.68	1.0	1.5	0.00											
11	7.5	15.4	22	34	320	220	7.0	13.0	3.8	<0.1	1.52	0.9	1.5	0.00		0.0	1.8								
12	8.0	15.0					7.3	12.5	5.6			1.1	1.3	0.00											
13	7.3	13.0					7.2	13.0	6.2			0.9	1.2	0.00											
14	7.4	14.1		32			7.1	12.9	3.7		0.34	1.1	2.1	0.00	<1.8										
15	8.1	14.6		62			7.1	12.7	4.5		0.12	0.8	1.4	0.00				15:00	6.9	11.8	12.6	15:10	6.9	10.8	11.9
16	8.0	14.6		70			7.2	12.7	6.0		2.37	1.1	1.6	0.00											
17	8.1	15.3		66			7.2	12.9	7.5		0.12	0.8	1.1	0.00											
18	8.1	15.1	20	62	340	300	7.3	13.0	6.3	<0.1	0.78	0.9	1.8	0.00		2.2	2.0								
19	8.1	14.7					7.1	12.9	6.0			0.7	1.4	0.00											
20	8.1	14.8					7.0	13.0	5.9			0.8	1.6	0.00											
21	8.0	14.5					7.1	12.4	5.8			0.8	1.6	0.00											
22	8.0	15.1		60			6.9	12.4	4.9		0.62	0.7	2.0	0.00	<1.8			16:30	7.1	9.6	11.3	16:40	7.0	8.0	11.1
23	8.1	14.2		56			7.1	11.9	5.3		1.22	0.8	1.9	0.00											
24	8.1	14.7		54			7.2	11.8	5.6		0.70	0.8	1.9	0.00											
25	8.3	14.4	14	66	340	310	7.1	14.4	5.8	<0.1	0.88	1.0	1.9	N/A		0.0	1.2								
26	7.9	14.6					7.1	11.4	6.1			1.0	1.7	N/A											
27	8.0	14.8					7.1	11.6	5.9			1.0	1.8	N/A											
28	8.4	15.3		72			7.1	12.7	6.1		1.70	0.9	2.1	N/A	<1.8										
Average	8.0	14.6	18	57	328	265	7.1	12.4	5.4	<0.1	1.30	1.0	1.7	0.0	<1.8	0.6	1.8		7.2	10.3	11.3		7.1	10.1	10.2
Maximum	8.6	15.4	22	72	340	310	7.3	14.4	7.5	<0.1	5.00	2.0	2.2	0.0	<1.8	2.2	2.1		7.5	11.8	12.6		7.4	12.2	11.9
Minimum	7.3	13.0	14	32	310	220	6.9	11.4	3.7	<0.1	0.12	0.7	1.1	0.0	<1.8	0.0	1.2		6.9	9.5	9.7		6.9	8.0	8.5

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
March 2022

	INFLUENT						EFFLUENT											RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	8.1	15.5		62			7.2	13.2	6.1		2.12	1.1	1.8	N/A				15:50	6.8	12.5	11.4	16:00	6.9	11.6	11.0
2	8.1	15.5		64			7.2	13.8	4.7		3.70	1.3	1.9	N/A											
3	8.3	15.6		74			7.2	13.8	6.2		3.86	1.5	1.9	N/A											
4	8.2	14.5	20	50	290	220	7.2	12.6	6.9	<0.1	1.30	1.4	1.8	N/A		2.6	2.6								
5	7.9	14.5					7.2	12.5	7.4			1.0	1.6	N/A											
6	8.3	14.9					7.3	12.6	7..9			1.0	1.4	N/A											
7	8.0	14.9		58			7.3	13.1	7.2		0.44	1.0	2.1	N/A	<1.8										
8	7.8	14.2		48			7.3	13.2	7.5		0.50	1.5	1.5	N/A				9:10	7.7	10.5	11.0	9:20	7.6	11.5	9.8
9	8.3	15.4		70			7.3	17.8	8.2		1.60	1.4	1.9	N/A											
10	8.1	14.9		58			7.4	12.9	7.9		1.32	1.5	1.8	N/A											
11	8.3	14.6	12	62	300	210	7.4	12.9	6.2	<0.1	1.42	1.3	1.7	N/A		0.0	1.9								
12	8.2	15.6					7.3	13.6	9.1			1.3	1.8	N/A											
13	8.1	14.7					7.2	13.7	8.2			1.2	1.6	N/A											
14	7.9	15.0		56			7.3	13.2	7.9		0.56	1.0	1.8	N/A	<1.8										
15	7.3	14.5		30			7.2	14.4	5.3		0.46	0.9	1.6	N/A				14:40	6.9	14.0	10.6	14:50	6.8	14.0	10.1
16	8.2	14.9		56			7.4	14.1	7.8		5.00	1.5	2.1	0.00											
17	7.7	14.5		42			7.3	13.8	8.7		0.26	1.0	1.6	0.00											
18	8.3	15.3	15	78	340	210	7.4	14.1	8.2	<0.1		1.4	2.2	0.00		2.1	3.0								
19	8.0	14.4					7.3	14.2	8.3			1.8	1.9	N/A											
20	7.4	13.8					7.2	12.8	8.3			1.2	1.2	N/A											
21	8.2	15.6		70			7.4	14.2	8.5		0.02	0.7	1.5	N/A											
22	8.1	15.2		64			7.4	14.3	6.7		3.54	1.4	2.1	N/A	<1.8			8:40	7.8	11.2	10.0	8:50	7.8	12.0	9.6
23	8.0	15.4		56			7.4	14.9	7.4		3.08	1.4	2.1	N/A											
24	8.2	14.7		56			7.4	14.7	7.9		3.16	1.5	2.0	N/A											
25	8.2	15.0	19	56	330	260	7.4	14.9	7.4	<0.1	3.04	1.5	2.2	N/A		0.0	3.3								
26	8.5	16.2					7.4	15.3	8.4			1.3	2.0	N/A											
27	7.4	14.7					7.3	15.6	8.5			1.3	2.0	N/A											
28	7.4	15.7		60			7.4	15.9	7.5		2.42	1.2	2.1	N/A	<1.8										
29	8.2	15.9		50			7.4	15.9	6.8		2.32	1.2	2.1	N/A				14:40	6.9	13.8	10.4	14:50	7.2	14.5	10.0
30	8.2	14.7		50			7.4	14.7	7.9		2.18	1.4	2.2	N/A											
31	7.8	15.1		56			7.4	14.6	7.5		2.78	1.3	1.9	N/A											
Average	8.0	15.0	17	58	315	225	7.3	14.1	7.5	<0.1	1.96	1.3	1.9	0.0	<1.8	1.2	2.7		7.2	12.4	10.7		7.3	12.7	10.1
Maximum	8.5	16.2	20	78	340	260	7.4	17.8	9.1	<0.1	5.00	1.8	2.2	0.0	<1.8	2.6	3.3		7.8	14.0	11.4		7.8	14.5	11.0
Minimum	7.3	13.8	12	30	290	210	7.2	12.5	4.7	<0.1	0.0	0.7	1.2	0.0	<1.8	0.0	1.9		6.8	10.5	10.0		6.8	11.5	9.6

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
April 2022

	INFLUENT						EFFLUENT											RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	8.1	15.5	23	62	310	260	7.4	14.6	7.9	<0.1	2.52	1.3	2.0	N/A		0.0	1.4								
2	7.3	15.0					7.2	15.1	7.9			1.1	2.0	N/A											
3	8.0	15.2					7.4	15.0	7.8			1.1	1.7	N/A											
4	7.7	14.5		46			7.5	15.2	8.5		2.55	1.3	1.8	N/A	<1.8			8:05	7.6	13.1	9.4	8:15	7.6	13.2	9.5
5	7.7	14.7		58			7.1	14.1	6.8		2.42	1.5	1.6	N/A											
6	7.6	15.5		46			7.3	14.8	7.1		2.02	1.1	2.0	N/A											
7	8.3	15.9		68			7.5	15.3	8.5		2.12	1.0	2.0	N/A											
8	7.4	14.8	25	28	320	280	7.4	15.7	9.1	<0.1	2.43	1.0	1.9	N/A		0.0	1.0								
9	7.8	14.6					7.4	15.4	8.9			1.0	2.0	N/A											
10	7.9	15.0					7.4	14.3	7.5			0.6	2.0	N/A											
11	7.9	15.2		52			7.5	14.3	8.7		0.74	0.7	1.8	N/A	<1.8										
12	8.0	14.0		52							Washed CCB							14:30	6.9	12.3	10.9	14:40	6.9	11.8	11.0
13	8.1	14.8		54			7.4	14.4	7.1		0.19	1.0	1.3	0.00											
14	8.1	15.1		56			7.4	13.3	6.6		0.07	0.7	1.4	0.00											
15	7.7	14.1	16	52	230	170	7.2	13.4	6.3	<0.1	3.14	1.2	1.8	0.00		3.0	2.4								
16	8.1	14.7					7.4	13.4	7.6			1.2	1.9	0.00											
17	7.8	14.8					7.4	13.3	9.4			1.3	1.9	0.00											
18	7.6	14.5		28			7.5	13.9	8.6		3.04	1.5	1.7	0.00	<1.8										
19	8.2	14.8		58			7.4	13.8	7.4		1.54	1.1	1.8	0.00				8:15	7.5	12.8	10.7	8:25	7.5	13.0	7.4
20	8.5	16.2		76			7.4	13.8	7.3		1.53	1.0	1.8	0.00											
21	8.2	15.3		56			7.3	14.1	7.4		1.53	0.9	1.7	0.00											
22	8.0	15.3	22	58	290	160	7.4	14.5	8.1	<0.1	1.47	0.8	1.7	0.00		2.4	1.3								
23	7.5	14.8					7.3	14.7	9.5			1.1	2.0	0.00											
24	7.9	15.3					7.4	15.4	10.7			1.2	2.2	0.00											
25	7.7	15.0		52			7.5	16.2	8.8		1.51	0.8	2.1	0.00	<1.8										
26	8.3	15.8		58			7.5	15.9	9.0		1.44	1.0	1.8	0.00											
27	7.8	15.1		44			7.5	15.4	8.8		1.11	1.1	2.3	0.00				15:30	7.3	13.0	10.4	15:40	7.2	12.8	8.6
28	8.3	16.1		54			7.4	15.9	8.3		1.83	1.0	1.2	0.00											
29	8.3	15.1	20	82	300	240	7.5	15.6	7.9	<0.1	2.23	0.8	1.7	0.00		3.4	3.0								
30	8.3	15.1					7.5	16.8	8.0			0.9	1.8	0.00											
Average	7.9	15.1	21	54	290	222	7.4	14.7	8.1	<0.1	1.77	1.0	1.8	0.0	<1.8	1.8	1.8		7.3	12.8	10.4		7.3	12.7	9.1
Maximum	8.5	16.2	25	82	320	280	7.5	16.8	10.7	<0.1	3.14	1.5	2.3	0.0	<1.8	3.4	3.0		7.6	13.1	10.9		7.6	13.2	11.0
Minimum	7.3	14.0	16	28	230	160	7.1	13.3	6.3	<0.1	0.07	0.6	1.2	0.0	<1.8	0.0	1.0		6.9	12.3	9.4		6.9	11.8	7.4

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
May 2022

	INFLUENT						EFFLUENT											RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	8.2	16.2					7.5	16.8	8.0			0.8	1.3	0.00											
2	8.2	16.3		60			7.5	17.5	7.3		1.71	0.8	1.3	0.00	<1.8			15:20	7.4	12.8	10.9	15:30	7.2	13.7	9.7
3	8.2	16.3		58			7.4	16.8	7.4		2.00	0.6	1.2	0.00											
4	8.5	17.2		80			7.5	16.4	7.6		2.13	0.7	1.2	0.00											
5	8.4	17.1		56			7.5	17.0	7.6		1.71	0.8	1.5	0.00											
6	7.5	16.0	16	32	350	250	7.5	16.9	6.7	<0.1	2.17	0.7	1.7	0.00		2.3	2.0								
7	8.0	15.9					7.4	16.3	6.6			0.7	2.1	0.00											
8	8.1	15.8					7.3	16.1	6.7			0.8	1.4	0.00											
9	7.8	14.9		56			7.4	15.7	5.0		2.20	1.0	1.5	0.00	<1.8										
10	8.3	15.9		64			7.5	15.7	6.5		2.10	0.9	1.4	0.00				13:10	6.9	15.7	10.8	13:20	7.1	14.4	10.2
11	7.7	15.3		40			7.5	16.1	7.5		1.86	1.0	1.5	0.00											
12	8.0	16.3		54			7.5	16.7	7.4		2.08	1.0	1.3	0.00											
13	8.2	16.4	10	64	260	160	7.4	16.4	6.7	<0.1	2.14	1.2	1.1	0.00		3.3	2.0								
14										No Discharge															
15										No Discharge															
16	8.1	16.9		52						No Discharge															
17	8.2	16.1		56			7.4	15.8	7.1		0.34	1.2	3.7	Land Discharge	<1.8			14:20	7.1	16.1	10.1	14:30	7.0	16.0	10.0
18	7.7	16.3		52			7.1	17.5	5.6		0.06	1.0	1.3	N/A											
19	8.1	16.8		54			7.2	17.6	5.5		2.44	1.6	2.1	N/A											
20	7.6	15.3	26	34	370	220	7.3	16.7	5.1	<0.1	2.96	1.8	1.5	N/A		4.4	1.6								
21										No Discharge				N/A											
22										No Discharge				N/A											
23	8.1	16.9		64			7.5	16.4	5.8		0.72	1.5	1.2	N/A											
24	8.4	17.4		76			7.4	17.2	6.5		1.74	1.4	1.2	N/A	<1.8			13:15	7.3	17.2	9.7	13:25	7.2	17	10.2
25	8.0	17.2		66			7.4	17.4	5.1		1.43	1.4	1.2	N/A											
26	7.9	17.3		50			7.4	18.0	5.2		1.76	2.0	1.0	N/A											
27	7.5	17.2	15	48	330	270	7.2	17.6	6.4	<0.1	0.98	2.2	1.3	N/A		2.8	1.6								
28	7.5	16.5					7.2	17.9	5.7			2.3	1.5	N/A											
29	8.3	17.2					7.4	17.4	5.4			2.3	1.2	N/A											
30	7.7	16.9					7.3	17.1	4.6			2.1	1.1	N/A											
31	8.1	17.5		64			7.3	17.7	4.0		2.20	2.2	1.2	N/A	<1.8			15:10	6.9	19.1	10.5	15:20	7	18.3	9.7
Average	8.0	16.5	17	56	328	225	7.4	16.9	6.2	<0.1	1.74	1.3	1.5	0.0	<1.8	3.2	1.8		7.1	16.2	10.4		7.1	15.9	10.0
Maximum	8.5	17.5	26	80	370	270	7.5	18.0	8.0	<0.1	2.96	2.3	3.7	0.0	<1.8	4.4	2.0		7.4	19.1	10.9		7.2	18.3	10.2
Minimum	7.5	14.9	10	32	260	160	7.1	15.7	4.0	<0.1	0.06	0.6	1.0	0.0	<1.8	2.3	1.6		6.9	12.8	9.7		7.0	13.7	9.7

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
June 2022

	INFLUENT						EFFLUENT											RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	7.9	17.9		66			7.3	18.0	4.9		1.36	1.9	1.3	N/A				7:25	7.1	15.6	8.9	7:30	7.4	16.2	8.8
2	8.1	17.3		62			7.4	18.0	4.8		2.05	2.0	1.3	N/A											
3	8.1	18.4	18	74	340	280	7.3	18.6	5.0	<0.1	1.32	1.7	1.4	N/A		3.6	2.6								
4	8.2	17.7					7.3	18.3	5.0			1.6	1.1	N/A											
5	7.6	16.9					7.2	18.6	5.4			1.4	1.2	N/A											
6	7.9	19.1		56			7.2	19.4	6.0		1.17	1.6	1.3	N/A	<1.8										
7	7.6	19.0		48			7.2	18.7	4.8		1.10	1.3	1.3	N/A				11:15	7.2	15.0	9.0	11:25	7.2	15.9	9.1
8	7.8	18.9		62			6.9	19.2	6.0		1.10	1.2	1.1	N/A											
9	7.7	19.2		52			7.0	18.8	5.4		1.36	1.1	1.4	N/A											
10	7.7	18.3	15	36	370	380	7.3	20.0	5.9	<0.1	0.78	1.4	1.0	N/A		5.9	5.6								
11	7.6	17.8					7.1	20.3	5.8			1.6	1.3	N/A											
12	7.5	17.2					7.2	19.8	5.9			1.4	1.7	N/A											
13	7.8	19.9		58			7.0	19.1	6.1		1.42	1.5	1.1	N/A	<1.8										
14	7.7	17.7		58			7.1	18.3	6.6		2.06	1.5	1.1	N/A				11:30	7.0	16.4	11.0	11:40	7.1	16.9	10.7
15	7.6	17.7		52			7.2	18.5	6.2		1.71	1.5	0.6	N/A											
16	7.9	18.3		58			7.4	18.8	6.6		1.98	1.6	1.9	N/A											
17	8.2	19.2	16	44	340	310	7.4	18.3	5.7	<0.1	0.86	1.6	1.8	N/A		4.7	3.0								
18	7.6	18.0					7.2	18.5	5.6			1.6	2.1	N/A											
19	7.6	18.2					7.3	18.9	5.6			1.5	1.6	N/A											
20	8.0	18.5		70			7.3	18.5	5.3		2.13	1.5	2.0	N/A	<1.8										
21	7.8	18.2		50			7.3	19.1	5.2		2.22	1.5	1.7	N/A											
22	7.8	18.8		56			7.3	19.5	5.4		2.22	1.5	1.9	N/A				11:37	6.6	18.9	9.6	11:25	6.6	20.4	8.8
23	7.4	17.5		40			7.2	19.4	5.4		2.34	1.6	1.6	N/A											
24	7.3	17.8	26	34	370	340	7.2	19.3	5.2	<0.1	1.94	1.3	1.1	N/A		4.8	3.6								
25	8.0	18.4					7.3	19.5	5.3			1.2	0.6	N/A											
26	7.7	18.3					7.3	19.5	4.9			1.3	0.5	N/A											
27	7.6	18.6		44			7.3	19.6	5.0		2.38	1.2	0.9	N/A	4.5										
28	8.1	19.1		72			7.4	19.5	4.8		2.50	1.2	0.7	N/A											
29	7.7	18.5		46			7.4	19.3	4.9		2.33	1.1	3.3	N/A				15:10	7.1	19.2	10.1	15:20	7.3	20.6	9.8
30	7.7	19.1		64			7.4	20.1	5.5		2.64	1.4	0.8	N/A											
Average	7.8	18.3	19	55	355	328	7.2	19.0	5.5	<0.1	1.77	1.5	1.4	0.0	<1.8	4.8	3.7		7.0	17.0	9.7		7.1	18.0	9.4
Maximum	8.2	19.9	26	74	370	380	7.4	20.3	6.6	<0.1	2.64	2.0	3.3	0.0	4.5	5.9	5.6		7.2	19.2	11.0		7.4	20.6	10.7
Minimum	7.3	16.9	15	34	340	280	6.9	18.0	4.8	<0.1	0.78	1.1	0.5	0.0	<1.8	3.6	2.6		6.6	15.0	8.9		6.6	15.9	8.8

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
July 2022

	INFLUENT						EFFLUENT										RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	7.6	18.2	24	48	420	320	7.1	18.7	4.4	<0.1	1.17	1.7	2.2	N/A		4.0	2.2								
2	7.9	18.4					7.2	19.2	3.1			1.5	2.3	N/A											
3	8.0	18.2					7.2	18.8	3.2			1.4	2.3	N/A											
4	7.8	18.7					7.3	18.9	3.8			1.4	2.3	N/A											
5	7.6	18.8		60			7.2	19.0	3.8		2.53	1.5	2.6	N/A	4.5			10:00	7.2	18.6	8.9	10:10	7.4	18.4	8.1
6	7.6	18.9		46			7.0	19.3	2.8		2.58	1.4	2.5	N/A											
7	7.7	18.8		60			7.0	19.1	2.2		2.58	1.1	2.4	N/A											
8	7.2	18.5	13	36	340	240	7.2	19.4	4.3	<0.1	2.47	1.2	2.7	N/A		4.6	2.8								
9	7.7	18.8					7.3	19.4	4.0			1.0	2.7	N/A											
10	7.7	18.7					7.3	19.5	4.3			1.0	2.9	N/A											
11	7.6	22.9		54			7.3	20.3	6.0		2.40	1.1	3.3	N/A	<1.8										
12	7.2	18.8		32			7.1	20.2	3.0		2.07	1.0	1.7	N/A				14:35	7.4	21.1	10.1	14:45	7.5	22.2	10.4
13	7.8	19.3		54			7.2	20.0	2.3		2.00	0.9	1.7	N/A											
14	7.7	19.0		60			7.1	19.5	3.4		2.20	1.2	1.6	N/A											
15	7.8	19.3	16	54	340	190	7.2	19.2	2.9	<0.1	2.20	1.2	1.6	N/A		4.0	2.6								
16												No Discharge		N/A											
17												No Discharge		N/A											
18	7.8	19.3		64			7.4	19.6	8.1		0.83	1.4	1.9	N/A											
19	7.9	18.9		54			7.3	19.4	4.6		3.44	1.5	1.5	N/A	<1.8			9:40	7.0	17.8	9.2	9:52	7.2	18.5	8.2
20	7.8	19.1		62			7.4	19.0	5.1		3.30	1.6	1.7	N/A											
21	7.7	19.0		52			7.3	18.9	4.8		1.54	0.9	2.1	N/A											
22	7.7	19.2	18	44	380	260	7.4	19.1	4.5	<0.1	0.78	1.0	1.6	N/A		3.7	3.1								
23	7.5	19.1					7.1	19.5	3.9			0.9	2.8	N/A											
24	8.1	19.5					7.4	19.3	3.5			0.9	1.7	N/A											
25	7.9	19.2		52								No Discharge		N/A											
26	7.8	19.5		56								No Discharge		N/A				15:40	7.2	21.7	10.6	15:45	7.6	22.3	11.1
27	7.8	19.5		60								No Discharge		N/A											
28	7.5	18.8		42			7.2	18.1	5.1		1.43	1.8	2.0	N/A	<1.8										
29	7.8	19.7	9	40	300	240	7.3	19.6	4.5	<0.1	1.30	1.0	1.6	N/A		3.9	2.9								
30	7.8	19.5					7.2	20.1	4.3			1.2	1.7	N/A											
31	7.7	19.5					7.2	20.1	3.8			1.4	1.6	N/A											
Average	7.7	19.1	16	52	356	250	7.2	19.4	4.1	<0.1	2.05	1.2	2.1	0.0	<1.8	4.0	2.7		7.2	19.8	9.7		7.4	20.4	9.5
Maximum	8.1	22.9	24	64	420	320	7.4	20.3	8.1	<0.1	3.44	1.8	3.3	0.0	4.5	4.6	3.1		7.4	21.7	10.6		7.6	22.3	11.1
Minimum	7.2	18.2	9	32	300	190	7.0	18.1	2.2	<0.1	0.78	0.9	1.5	0.0	<1.8	3.7	2.2		7.0	17.8	8.9		7.2	18.4	8.1

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
August 2022

	INFLUENT						EFFLUENT											RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL_2 Res	River CL_2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	7.7	19.2		62			7.2	20.2	4.8		2.62	1.2	1.8	N/A	2			16:00	7.6	22	11.5	16:10	7.7	21.8	11
2	7.6	19.5		38			7.0	20.0	5.0		2.58	1.1	1.8	N/A											
3	7.7	19.7		66			7.2	19.7	5.1		2.64	1.2	1.7	N/A											
4	7.8	19.4		60			7.2	19.6	5.2		2.60	1.3	1.7	N/A											
5	7.7	19.7	26	46	380	320	7.2	20.1	5.9	<0.1	1.66	0.9	1.9	N/A		0	4								
6	8.2	20.3					7.3	19.9	4.3			0.9	1.7	N/A											
7	7.7	19.2					7.2	19.9	4.4			0.9	1.9	N/A											
8	7.8	20.0		56			7.3	19.7	4.6		2.50	0.9	2.1	N/A	<1.8										
9	7.6	19.3		64			7.1	19.4	5.1		2.04	0.9	1.6	N/A				13:30	7.4	21.8	11.2	13:40	7.5	22.1	10.9
10	7.5	21.5		44			6.9	21.4	4.4		1.66	0.8	1.7	N/A											
11	7.5	19.9		58			7.2	19.9	5.2		2.06	0.9	1.8	N/A											
12	7.9	20.2	20	58	420	360	7.2	20.0	5.1	<0.1	1.88	0.7	1.6	N/A		2.2	2.1								
13	7.5	19.8					7.1	19.9	4.8			0.9	2.0	N/A											
14	7.8	19.9					7.1	20.2	4.3			0.7	1.6	N/A											
15	8.1	20.4		74			7.1	20.0	3.0		0.98	0.8	2.2	N/A	<1.8										
16	8.1	20.8		60			7.3	20.0	3.1		1.05	0.7	2.0	N/A				8:30	6.9	18.7	8.1	8:40	7.2	18.6	7.2
17	7.8	20.1		74			7.2	19.9	5.6		1.13	0.8	1.8	N/A											
18	7.9	18.7		60			7.0	19.9	2.6		1.07	0.9	1.6	N/A											
19	7.5	19.5	16	36	370	210	7.0	19.8	2.5	<0.1	0.89	1.0	1.6	N/A		3.6	3								
20	7.8	19.7					7.0	20.0	2.3			0.9	1.7	N/A											
21	8.0	19.6					7.2	20.0	2.6			1.0	1.4	N/A											
22	7.9	20.6		60			7.2	20.1	2.4		0.74	0.7	1.7	N/A	<1.8										
23	7.9	20.2		54			7.0	20.3	2.2		0.91	0.9	1.7	N/A				15:00	6.9	21.7	8.3	15:10	7.6	22.7	9.6
24	7.9	20.4		60			7.2	20.4	2.2		0.99	0.7	1.6	N/A											
25	8.3	21.0		74			6.9	20.3	2.4		0.95	0.9	1.7	N/A											
26	8.0	20.3	15	62	340	230	7.1	20.2	2.8	<0.1	1.25	0.7	1.6	N/A		2.1	1.9								
27	8.2	20.3					7.3	19.7	3.6			0.7	1.5	N/A											
28	7.5	20.1					7.3	19.7	3.8			0.7	1.5	N/A											
29	8.4	20.5		88			7.4	19.6	3.3		1.55	0.7	1.6	N/A	<1.8										
30	8.4	20.7		90			7.2	19.4	3.1		1.43	1.4	1.6	N/A				16:15	7.0	19.3	9.2	16:22	7.9	19.7	11.6
31	7.2	19.1		42			7.2	19.4	3.5		1.32	1.5	1.5	N/A											
Average	7.8	20.0	19	60	378	280	7.2	19.9	3.8	<0.1	1.54	0.9	1.7	0.0	<1.8	2.0	2.8		7.1	20.4	9.2		7.6	20.8	9.8
Maximum	8.4	21.5	26	90	420	360	7.4	21.4	5.9	<0.1	2.64	1.5	2.2	0.0	2.0	3.6	4.0		7.6	22.0	11.5		7.9	22.7	11.6
Minimum	7.2	18.7	15	36	340	210	6.9	19.4	2.2	<0.1	0.74	0.7	1.4	0.0	<1.8	0.0	1.9		6.9	18.7	8.1		7.2	18.6	7.2

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
September 2022

	INFLUENT						EFFLUENT											RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	7.8	20.0		88			7.3	18.3	3.7		0.94	1.6	0.8	N/A											
2	7.6	19.4	16	58	370	280	7.3	18.9	3.5	<0.1	0.04	1.6	1.8	N/A		2.5	1.3								
3	7.5	19.9					7.2	19.4	4.3			2.0	1.0	N/A											
4	7.8	19.7					7.3	18.9	3.8			2.7	0.8	N/A											
5	7.8	19.4					7.2	19.0	3.8			4.3	1.0	N/A											
6	8.1	20.4		60			7.3	19.4	3.2		3.14	1.6	1.4	N/A	<1.8			13:40	7.1	21.8	9.3	13:50	7.2	21.9	8.7
7	7.4	19.3		36			7.3	19.3	3.3		2.70	1.5	1.3	N/A											
8	8.3	20.8		72			7.3	19.4	3.4		2.78	1.0	1.4	N/A											
9	7.7	19.7	17	50	420	280	7.2	19.3	3.1	<0.1	3.34	1.4	1.4	N/A		2.2	3.1								
10	7.8	20.0					7.2	19.7	3.8			1.6	1.4	N/A											
11	7.3	19.5					7.2	19.4	3.1			1.2	1.4	N/A											
12	7.8	20.2		64			7.3	19.6	6.6		3.26	1.0	1.6	N/A	<1.8										
13	7.6	19.2		62			7.3	18.7	5.5		2.66	1.1	1.3	N/A				15:50	7.0	21.3	9.0	16:00	7.3	20.3	10.4
14	7.9	19.5		64			7.3	18.6	4.7		2.52	1.1	1.4	N/A											
15	7.7	19.8		68			7.3	18.6	4.6		1.88	1.1	1.4	N/A											
16	7.5	19.1	7	46	330	210	7.3	18.6	4.1	<0.1	0.69	0.8	1.4	N/A		0.0	1.4								
17	7.5	19.2					7.2	18.6	3.7			1.0	1.4	N/A											
18	8.1	20.3					7.2	18.5	3.9			0.7	1.3	N/A											
19	7.7	20.3		52			7.3	18.7	5.9		0.91	0.6	1.2	N/A	<1.8										
20	7.9	20.3		66			7.3	18.4	3.1		1.50	1.1	1.2	N/A				13:50	7.1	20.5	9.2	14:00	7.3	20.5	8.7
21	7.8	20.5		62			7.2	18.9	4.6		2.12	0.8	1.9	N/A											
22	7.8	20.5		56			7.3	18.6	5.4		1.66	0.6	1.8	N/A											
23	8.0	19.9	17	46	370	310	7.2	18.5	4.4	<0.1	0.90	0.7	1.8	N/A		0.0	2.00								
24	7.5	19.4					7.0	18.5	3.9			0.8	1.6	N/A											
25	7.5	19.3					7.0	18.3	3.0			0.8	1.7	N/A											
26	7.5	19.0		70			7.3	18.5	5.6		2.38	0.6	1.6	N/A	<1.8										
27	7.8	19.0		74			7.1	18.8	5.4		2.41	0.7	1.5	N/A				16:00	7.1	19.3	9.4	16:10	7.3	19.4	9.3
28	7.9	19.9		74			7.2	18.5	5.0		2.26	1.1	1.9	N/A											
29	7.6	19.8		64			7.0	18.4	4.4		2.58	0.9	1.7	N/A											
30	7.7	20.0	25	46	390	320	6.9	18.3	4.5	<0.1	1.15	1.1	1.5	N/A		2.2	1.1								
Average	7.7	19.8	16	61	376	280	7.2	18.8	4.2	<0.1	1.99	1.2	1.4	0.0	<1.8	1.4	1.8		7.1	20.7	9.2		7.3	20.5	9.3
Maximum	8.3	20.8	25	88	420	320	7.3	19.7	6.6	<0.1	3.34	4.3	1.9	0.0	<1.8	2.5	3.1		7.1	21.8	9.4		7.3	21.9	10.4
Minimum	7.3	19.0	7	36	330	210	6.9	18.3	3.0	<0.1	0.04	0.6	0.8	0.0	<1.8	0.0	1.1		7.0	19.3	9.0		7.2	19.4	8.7

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
October 2022

	INFLUENT						EFFLUENT										RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	7.8	20.1					7.0	18.4	2.6			0.8	1.7	N/A											
2	7.6	19.8					7.1	18.1	2.2			0.9	1.8	N/A											
3	7.7	19.5		72			7.0	18.1	5.1		2.14	0.9	1.3	N/A	<1.8			11:25	7.0	17.8	9.0	11:35	6.9	17.7	8.4
4	7.5	19.1		48			7.2	18.5	4.7		1.21	1.0	1.5	N/A											
5	7.6	18.8		64			7.0	17.9	4.0		1.88	0.7	1.3	N/A											
6	7.9	19.3		80			7.2	18.4	4.7		1.85	0.9	1.7	N/A											
7	7.7	18.9	33	60	360	400	7.0	17.6	3.9	<0.1	1.28	0.7	1.3	N/A		0.0	1.7								
8	8.2	18.1					7.2	17.7	3.8			0.9	1.2	N/A											
9	7.6	20.2					7.0	18.5	4.1			0.5	1.8	N/A											
10	8.0	19.2					7.1	17.3	4.2			0.5	1.6	N/A											
11	8.3	19.6		86			7.2	17.3	3.7		1.68	0.6	1.6	N/A	<1.8			15:30	7.1	18.1	9.5	3:40	7.1	17.4	9.6
12	7.8	19.0		64			7.2	17.1	3.7		1.74	0.6	1.8	N/A											
13	7.4	18.4		40			7.1	17.1	3.7		1.48	0.6	1.5	N/A											
14	7.8	18.8	33	66	370	280	7.2	16.7	4.2	<0.1	1.43	0.7	1.5	N/A		0.0	1.9								
15	7.5	17.9					7.1	16.9	4.1			0.7	1.6	N/A											
16	7.4	18.2					7.1	16.9	4.3			0.5	1.8	N/A											
17	7.9	19.2		62			7.1	17.0	3.5		1.46	0.6	1.6	N/A	<1.8										
18	7.7	18.8		68			7.2	16.7	3.6		1.61	0.6	1.8	N/A				11:30	6.9	16.7	9.3	11:43	6.8	16.1	9.5
19	7.5	18.1		60			7.2	16.4	3.5		1.75	0.6	1.5	N/A											
20	7.4	18.4		48			7.1	16.8	3.3		1.94	0.6	1.6	N/A											
21	7.9	18.4	42	74	400	300	7.2	16.5	4.0	<0.1	1.85	0.6	1.6	N/A		0.0	2.5								
22	8.4	18.9					7.1	16.7	3.6			0.7	1.5	N/A											
23	7.4	17.9					7.2	16.2	4.0			0.7	1.4	N/A											
24	7.9	18.3		64			7.2	15.4	3.9		1.61	0.5	1.5	N/A	<1.8										
25	7.5	17.3		58			7.1	16.2	5.4		1.70	0.6	1.7	N/A				15:20	6.9	14.7	10.5	15:28	6.9	14.5	10.2
26	7.9	18.5		66			Washed CCB							N/A											
27	7.7	18.4		62			7.1	15.8	4.3		0.41	0.6	1.1	N/A											
28	7.9	18.4	30	82	370	220	7.0	15.0	2.9	<0.1	2.42	0.6	1.6	N/A		0.0	2.1								
29	7.6	18.0					7.2	14.9	5.1			0.5	1.8	N/A											
30	8.2	18.8					7.2	15.2	4.7			0.7	1.6	N/A											
31	7.4	17.7		52			7.1	15.1	3.5		2.37	0.8	2.0	N/A	<1.8										
Average	7.7	18.7	35	64	375	300	7.1	16.8	4.0	<0.1	1.67	0.7	1.6	0.0	<1.8	0.0	2.1		7.0	16.8	9.6		6.9	16.4	9.4
Maximum	8.4	20.2	42	86	400	400	7.2	18.5	5.4	<0.1	2.42	1.0	2.0	0.0	<1.8	0.0	2.5		7.1	18.1	10.5		7.1	17.7	10.2
Minimum	7.4	17.3	30	40	360	220	7.0	14.9	2.2	<0.1	0.41	0.5	1.1	0.0	<1.8	0.0	1.7		6.9	14.7	9.0		6.8	14.5	8.4

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
November 2022

	INFLUENT						EFFLUENT										RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	8.2	18.2		72			7.2	15.9	6.0		2.02	0.7	1.7	N/A				11:20	7.0	13.6	9.6	11:30	7.1	14.2	9.4
2	7.7	17.9		44						Washed CCB				N/A											
3	7.9	15.8		60			7.2	13.4	6.7		0.11	0.8	1.3	N/A											
4	8.0	17.2	14	68	340	220	7.3	14.6	3.4	<0.1	2.98	0.6	1.5	N/A		0.0	2.2								
5	7.7	16.9					7.2	14.9	3.7			0.7	1.3	N/A											
6	8.1	17.1					7.2	15.3	3.9			0.8	1.4	N/A											
7	7.4	15.7		38			7.2	13.7	3.7		2.99	0.5	1.3	N/A	<1.8										
8	7.6	16.6		44			7.0	14.1	4.9		2.74	0.6	0.9	N/A				15:00	7.1	10.7	10.9	15:15	7.1	10.9	10.6
9	7.8	18.6		64			6.9	14.0	5.8		3.20	0.5	0.9	N/A											
10	8.2	17.1	22	76	360	230	7.1	13.1	6.2	<0.1	3.58	0.5	1.0	N/A		0.0	1.1								
11	7.7	17.3					7.1	13.7	5.2			0.5	0.8	N/A											
12	7.5	16.8					7.1	13.4	4.9			0.6	1.3	N/A											
13	7.9	16.9					7.1	13.0	5.6			0.5	0.8	N/A											
14	7.8	16.6		58			7.1	12.6	5.4		4.04	0.5	0.9	N/A	<1.8										
15	8.1	12.7		68			7.1	12.7	5.1		4.28	0.5	0.9	N/A				8:50	7.0	9.7	10.9	9:00	7.1	10.0	9.4
16	7.9	17.0		78			7.2	14.0	6.5		4.48	0.5	0.7	N/A											
17	7.5	15.7		62			7.2	13.0	5.7		2.16	0.4	0.9	N/A											
18	8.4	17.4	33	78	290	230	7.2	12.4	5.3	<0.1	4.24	0.6	2.5	N/A		0.0	0.0								
19	7.6	16.4					7.0	12.4	5.7			0.6	2.0	N/A											
20	7.4	15.8					7.0	12.4	6.3			0.6	2.0	N/A											
21	8.2	17.5		82			7.1	12.3	6.6		4.10	0.6	1.9	N/A	<1.8										
22	7.5	15.2	22	56	360	290	6.9	12.1	6.2	<0.1	2.38	0.7	1.8	N/A		3.0	0.0	15:30	7.3	12.8	11.2	15:40	7.4	12.9	11.3
23	7.7	16.4		74			7.3	13.0	6.3		3.32	0.7	1.7	N/A											
24	7.5	15.7					7.3	12.2	6.1			0.5	1.6	N/A											
25	7.6	15.9					7.3	12.4	5.8			0.5	1.6	N/A											
26	8.2	16.3					7.3	12.6	5.8			0.6	1.6	N/A											
27	8.0	15.6					7.3	12.3	6.0			0.6	1.6	N/A											
28	7.8	16.7		82			7.1	13.3	6.1	<0.1	3.36	0.6	1.4	N/A	<1.8										
29	7.7	14.8		82			7.1	12.7	7.7		3.56	0.7	1.6	N/A				16:00	7.2	9.6	10.4	16:10	7.3	9.8	10.0
30	7.8	15.5		72			7.0	12.6	6.4		3.40	0.8	1.4	N/A											
Average	7.8	16.4	23	66	338	243	7.1	13.2	5.6	<0.1	3.16	0.6	1.4	0.0	<1.8	0.8	0.8		7.1	11.3	10.6		7.2	11.6	10.1
Maximum	8.4	18.6	33	82	360	290	7.3	15.9	7.7	<0.1	4.48	0.8	2.5	0.0	<1.8	3.0	2.2		7.3	13.6	11.2		7.4	14.2	11.3
Minimum	7.4	12.7	14	38	290	220	6.9	12.1	3.4	<0.1	0.11	0.4	0.7	0.0	<1.8	0.0	0.0		7.0	9.6	9.6		7.1	9.8	9.4

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
December 2022

	INFLUENT						EFFLUENT											RIVER RSW-001				RIVER RSW-002			
Date	pH	Temp	S.S	AMMONIA	BOD	NFR	pH	Temp	D.O.	S.S.	AMMONIA	NTU	CL/2 Res	River CL/2 Res	Coliform	BOD	NFR	TIME	pH	Temp	D.O.	TIME	pH	Temp	D.O.
1	8.1	15.2		68			7.1	12.3	6.3		2.26	1.2	1.1	Land Discharge				11:20	7.0	9.6	11.3	11:30	7.0	10.0	11.4
2	8.3	16.0	11	56	300	330	7.1	11.7	4.4	<0.1	2.16	1.0	1.2	Land Discharge		0.0	1.2								
3	8.5	16.2					7.1	11.3	5.1			0.8	1.2	Land Discharge											
4	7.8	15.7					7.1	11.6	5.6			0.6	1.0	Land Discharge											
5	7.9	14.8		60			7.1	11.6	5.7		2.19	0.7	1.5	0.00	<1.8										
6	7.8	14.0		56			7.0	11.5	6.2		2.38	1.0	1.2	0.00				15:45	7.2	9.8	11.1	15:55	7.3	10.4	10.5
7	7.9	15.1		70			7.1	11.6	6.3		2.24	1.1	2.6	0.00											
8	7.9	14.8		68			7.0	12.3	6.4		2.55	1.0	1.9	0.00											
9	8.1	15.6	10	50	260	170	7.1	11.7	5.6	<0.1	2.21	0.9	1.7	0.00		2.9	2.2								
10	7.4	15.2					7.0	12.0	6.1			0.9	1.9	0.00											
11	7.3	13.2					7.1	11.5	6.0			1.0	1.4	0.00											
12	8.0	12.1		62			7.0	11.3	6.6		2.20	1.4	3.1	0.00	<1.8										
13	8.2	14.6		70			7.0	10.8	6.6		1.95	1.0	2.4	0.00				15:50	7.0	9.8	11.7	16:00	7.1	9.3	11.4
14	8.2	14.5		70			7.0	10.7	6.1		2.11	1.0	2.0	0.00											
15	7.8	14.1		70			7.0	10.7	6.9		2.25	0.9	1.6	0.00											
16	8.0	14.3	25	54	320	230	6.9	10.2	6.3	<0.1	2.12	0.9	1.5	0.00		0.0	1.1								
17	8.5	15.0					6.9	10.0	5.3			1.0	1.9	0.00											
18	8.4	14.9					7.1	10.1	5.8			0.9	2.0	0.00											
19	8.1	14.6		64			7.2	10.3	5.6		2.42	0.9	2.0	0.00	<1.8										
20	7.7	14.6		76			7.0	11.3	5.8		1.52	0.7	1.0	Land Discharge				14:25	6.8	8.3	11.9	14:35	6.9	8.3	11.7
21	7.9	15.4		62	370	340	7.0	11.4	5.4		2.50	0.8	2.4	Land Discharge		2.6	1.0								
22	7.5	15.1	45	54			6.9	11.7	5.2	<0.1	2.54	0.8	2.3	0.00											
23	7.6	15.1					7.0	11.3	5.5			0.8	2.8	0.00											
24	7.5	14.5					7.1	11.5	5.2			0.7	2.0	0.00											
25	7.9	16.1					7.1	12.3	5.1			0.8	2.0	0.00											
26	7.9	15.5					7.2	13.0	5.8			0.9	2.2	0.00											
27	8.1	14.8		54			7.2	13.6	5.5		1.91	1.7	2.1	0.00	<1.8			14:45	7.1	10.7	10.8	14:30	6.9	10.7	11.3
28	7.9	14.9		66	440	320	7.2	11.8	6.0		1.42	0.6	0.7	0.00		3.6	6.0								
29	7.8	14.7		46			6.9	11.6	5.6		0.99	1.4	1.6	0.00											
30	8.1	15.3	13	68			7.0	12.1	6.4	<0.1	0.95	1.1	1.6	0.00											
31	7.8	15.4					6.9	12.2	4.9			1.0	1.8	0.00											
Average	7.9	14.9	21	62	338	278	7.0	11.5	5.8	<0.1	2.03	0.9	1.8	0.0	<1.8	1.8	2.3		7.0	9.7	11.4		7.1	9.7	11.2
Maximum	8.5	16.2	45	76	440	340	7.2	13.6	6.9	<0.1	2.55	1.7	3.1	0.0	<1.8	3.6	6.0		7.2	10.7	11.9		7.3	10.7	11.7
Minimum	7.3	12.1	10	46	260	170	6.9	10.0	4.4	<0.1	0.95	0.6	0.7	0.0	<1.8	0.0	1.0		6.8	8.3	10.8		6.9	8.3	10.5

McKinleyville CSD
Waste Water Management Facility 30 Day Average
BOD & TSS Work Sheet 2022

DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
1/7/2022	1.109	1.348	400	2.6	360	2.9	3	29	99	3	33	99	
1/14/2022	0.912	1.290	190	0.0	110	0.0	0	0	100	0	0	100	
1/21/2022	0.871	1.049	370	0.0	340	1.4	0	0	100	1	12	100	
1/28/2022	0.841	1.049	340	0.0	470	1.5	0	0	100	2	13	100	
							1	7	100	1	14	100	**Monthly Avg.**

DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
2/4/2022	0.818	1.045	310	0.0	230	2.1	0	0	100	2	18	99	
2/11/2022	0.810	1.042	320	0.0	220	1.8	0	0	100	2	16	99	
2/18/2022	0.804	0.872	340	2.2	300	2.0	2	16	99	2	15	99	
2/25/2022	0.791	0.925	340	0.0	310	1.2	0	0	100	1	9	100	
							1	4	100	2	14	99	**Monthly Avg.**

DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
3/4/2022	0.789	0.894	290	2.6	220	2.6	3	19	99	3	19	99	
3/11/2022	0.794	0.888	300	0.0	210	1.9	0	0	100	2	14	99	
3/18/2022	0.811	0.859	340	2.1	210	3.0	2	15	99	3	21	99	
3/25/2022	0.799	0.852	330	0.0	260	3.3	0	0	100	3	23	99	
							1	9	100	3	20	99	**Monthly Avg.**

DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
4/1/2022	0.778	0.826	310	0.0	260	1.4	0	0	100	1	10	99	
4/8/2022	0.787	0.751	320	0.0	280	1.0	0	0	100	1	6	100	
4/15/2022	0.841	1.277	230	3.0	170	2.4	3	32	99	2	26	99	
4/22/2022	0.887	1.276	290	2.4	160	1.3	2	26	99	1	14	99	
4/29/2022	0.842	0.727	300	3.4	240	3.0	3	21	99	3	18	99	
							1	14	99	2	14	99	**Monthly Avg.**

DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
5/6/2022	0.837	1.076	350	2.3	250	2.0	2	21	99	2	18	99	
5/13/2022	0.860	0.602	260	3.3	160	2.0	3	17	99	2	10	99	
5/20/2022	0.831	0.532	370	4.4	220	1.6	4	20	99	2	7	99	
5/27/2022	0.805	0.919	330	2.8	270	1.6	3	21	99	2	12	99	
							3	20	99	2	12	99	**Monthly Avg.**

DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
6/3/2022	0.795	0.969	340	3.6	280	2.6	4	29	99	3	21	99	
6/10/2022	0.809	0.910	370	5.9	380	5.6	6	45	98	6	43	99	
6/17/2022	0.831	0.893	340	4.7	310	3.0	5	35	99	3	22	99	
6/24/2022	0.786	0.863	370	4.8	340	3.6	5	35	99	4	26	99	
							5	36	99	4	28	99	**Monthly Avg.**

DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
7/1/2022	0.139	0.091	420	4.0	320	2.2	4	3	99	2	2	99	
7/8/2022	0.792	0.936	340	4.6	240	2.8	5	36	99	3	22	99	
7/15/2022	0.806	0.907	340	4.0	190	2.6	4	30	99	3	20	99	
7/22/2022	0.794	0.899	380	3.7	260	3.1	4	28	99	3	23	99	
7/29/2022	0.775	0.889	300	3.9	240	2.9	4	29	99	3	22	99	
							4	25	99	3	18	99	**Monthly Avg.**

DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
8/5/2022	0.772	0.929	380	0.0	320	4.0	0	0	100	4	31	99	
8/12/2022	0.774	0.812	420	2.2	360	2.1	2	15	99	2	14	99	
8/19/2022	0.768	0.880	370	3.6	210	3.0	4	26	99	3	22	99	
8/26/2022	0.760	0.887	340	2.1	230	1.9	2	16	99	2	14	99	
							2	14	99	3	20	99	**Monthly Avg.**

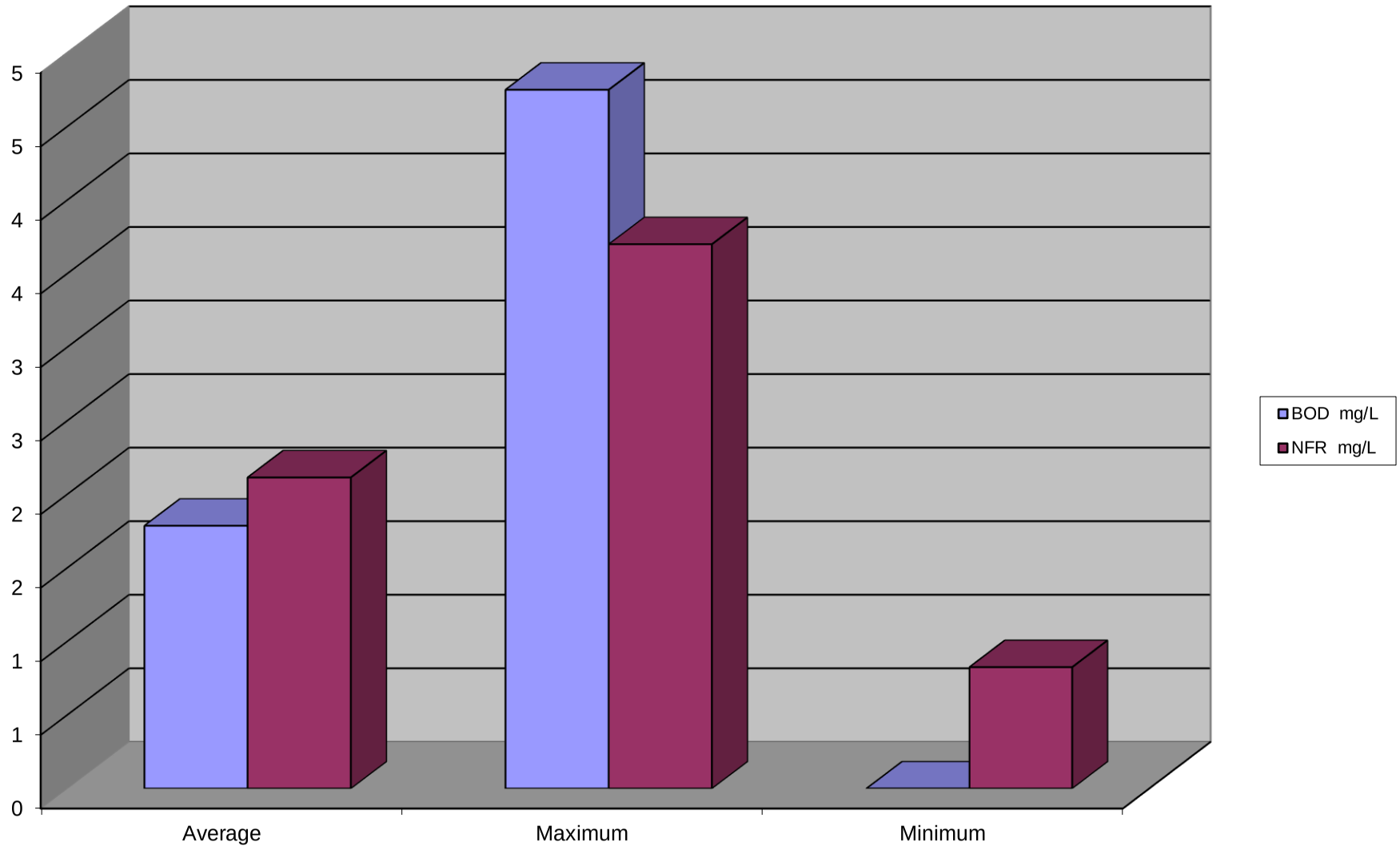
DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
9/2/2022	0.762	0.847	370	2.5	280	1.3	3	18	99	1	9	100	
9/9/2022	0.752	0.695	420	2.2	280	3.1	2	13	99	3	18	99	
9/16/2022	0.736	0.704	330	0.0	210	1.4	0	0	100	1	8	99	
9/23/2022	0.734	0.799	370	0.0	310	2.0	0	0	100	2	13	99	
9/30/2022	0.743	0.773	390	2.2	320	1.1	2	14	99	1	7	100	
							1	8	100	2	11	99	**Monthly Avg.**

DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
10/7/2022	0.739	0.845	360	0.0	400	1.7	0	0	100	2	12	100	
10/14/2022	0.750	0.819	370	0.0	280	1.9	0	0	100	2	13	99	
10/21/2022	0.738	0.834	400	0.0	300	2.5	0	0	100	3	17	99	
10/28/2022	0.728	0.857	370	0.0	220	2.1	0	0	100	2	15	99	
							0	0	100	2	14	99	**Monthly Avg.**

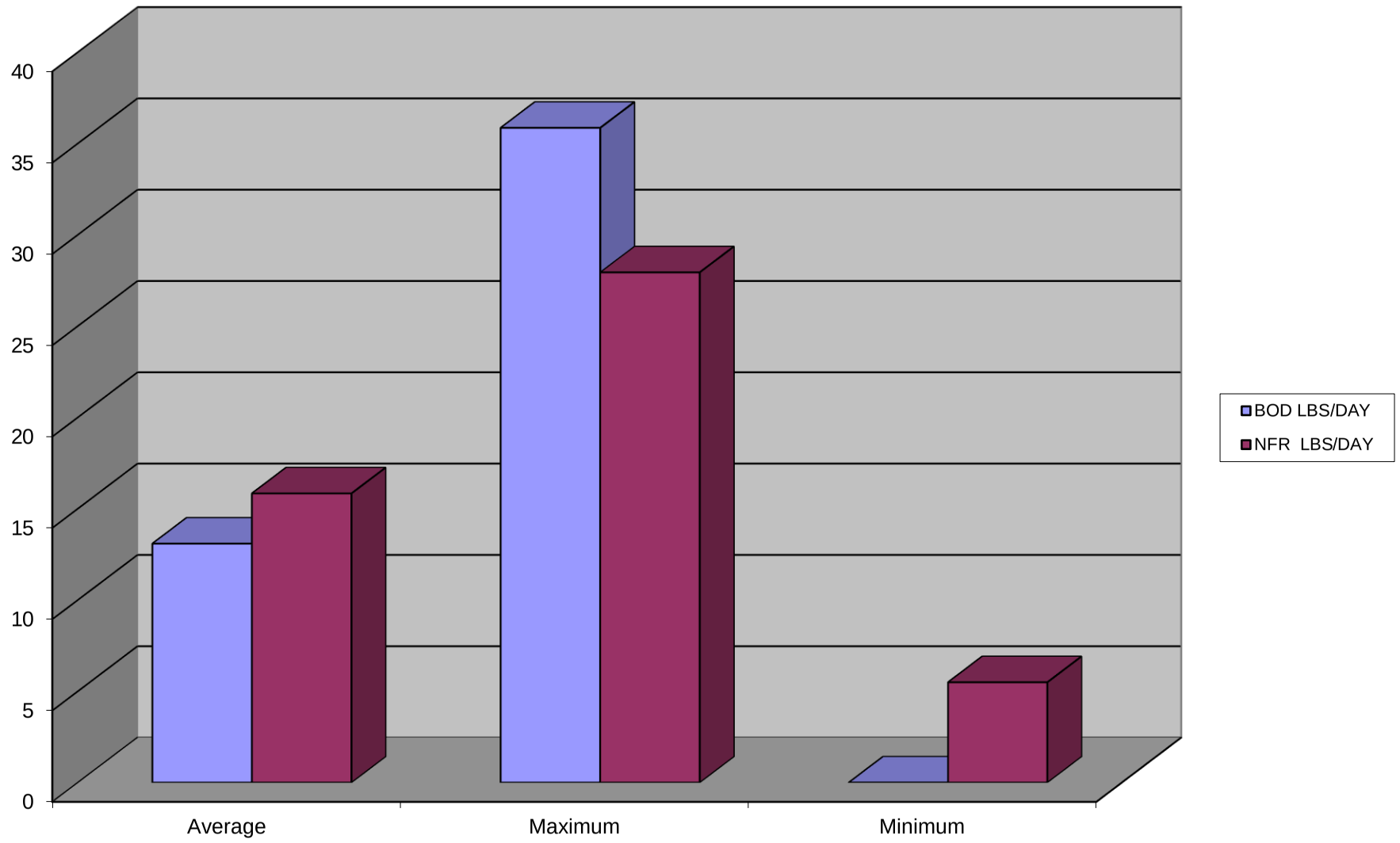
DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
11/4/2022	0.736	0.809	340	0.0	220	2.2	0	0	100	2	15	99	
11/10/2022	0.792	0.777	360	0.0	230	1.1	0	0	100	1	7	100	
11/18/2022	0.720	0.731	290	0.0	230	0.0	0	0	100	0	0	100	
11/22/2022	0.754	0.731	360	3.0	290	0.0	3	18	99	0	0	100	
							1	5	100	1	5	100	**Monthly Avg.**

DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
12/2/2022	0.798	0.910	300	0.0	330	1.2	0	0	100	1	9	100	
12/9/2022	0.837	1.300	260	2.9	170	2.2	3	31	99	2	24	99	
12/16/2022	0.844	0.948	320	0.0	230	1.1	0	0	100	1	9	100	
12/21/2022	0.887	0.923	370	2.6	340	1.0	3	20	99	1	8	100	
12/28/2022	1.053	0.910	440	3.6	320	6.0	4	27	99	6	46	98	
							2	16	99	2	19	99	**Monthly Avg.**

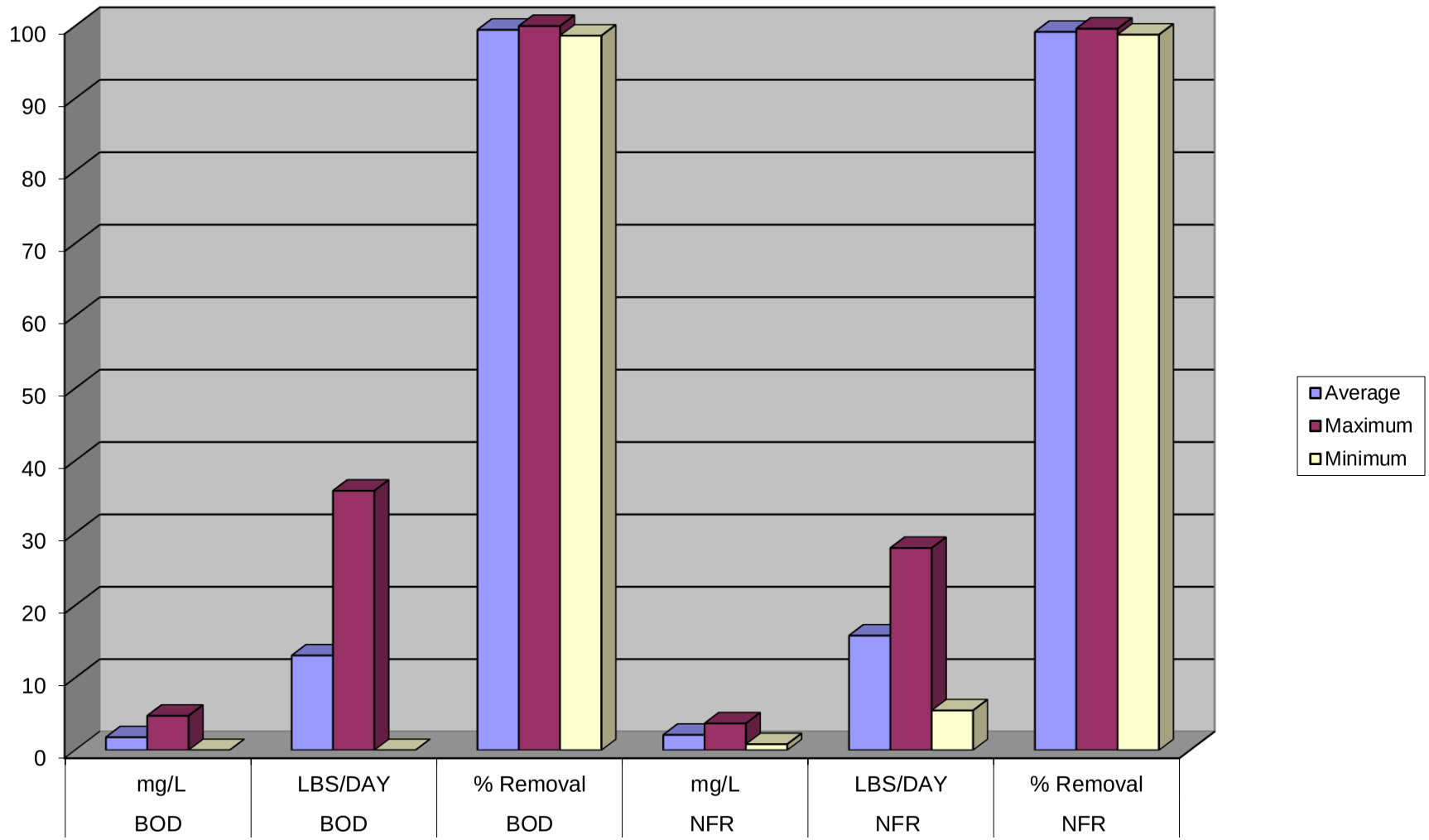
BOD & NFR 30 DAY AVERAGE mg/L



BOD & NFR 30 DAY AVERAGE LBS/DAY



30 Day BOD & NFR
Maximum, Minimum, and Average



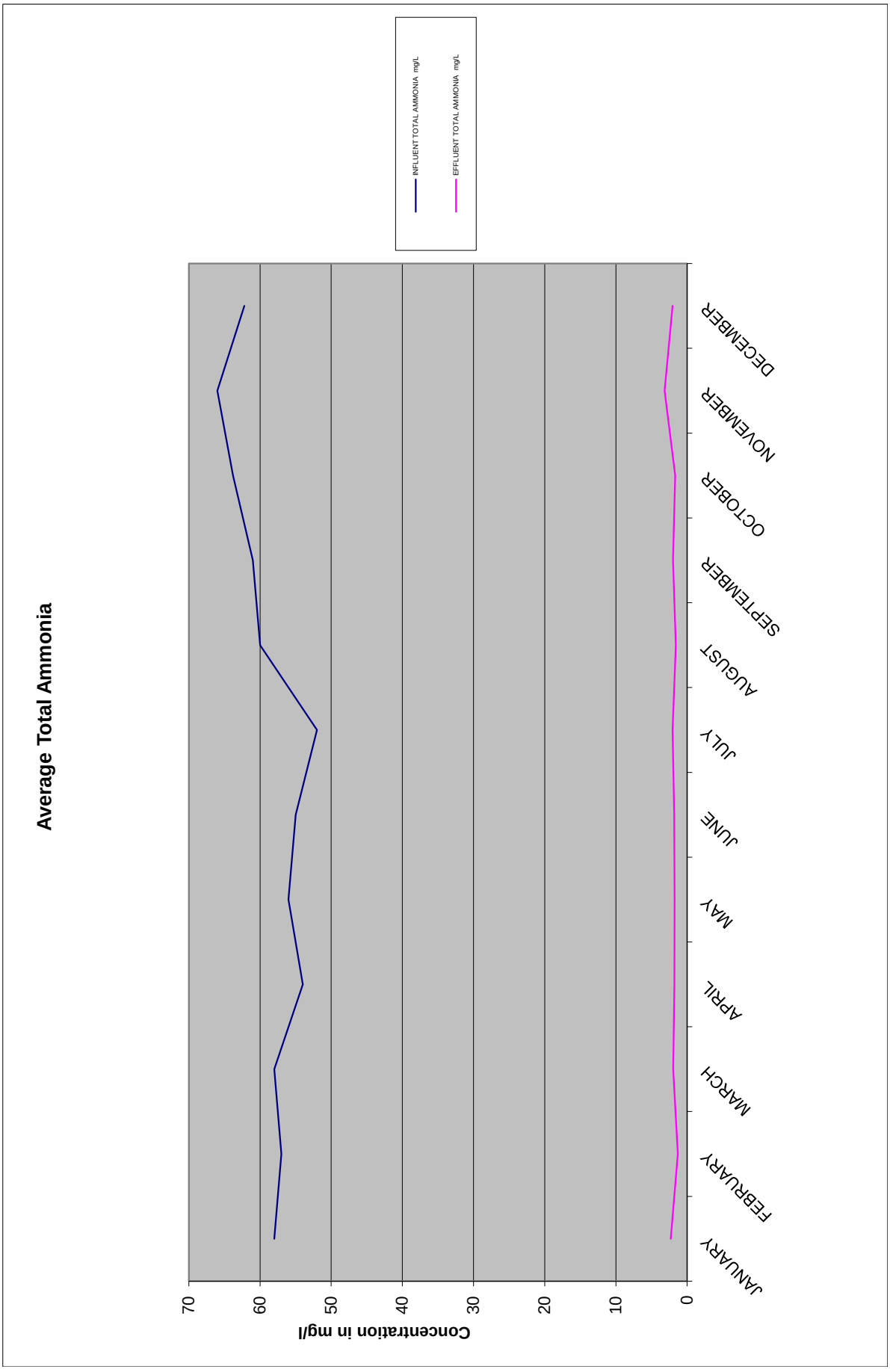
McKinleyville Community Services District
Wastewater Management Facility
2022 Influent, Terminal Pond, and Effluent BOD

MONTH		INFLUENT	EFFLUENT	Terminal Pond	SE
		BOD	BOD	BOD	BOD
January	1/7/2022	400	2.6	5.2	4.8
	1/14/2022	190	ND	3.0	5.1
	1/21/2022	370	ND	ND	ND
	1/28/2022	340	ND	ND	5.8
February	2/4/2022	310	ND	ND	5.0
	2/11/2022	320	ND	ND	4.8
	2/18/2022	340	2.2	ND	4.0
	2/25/2022	340	ND	ND	3.2
March	3/4/2022	290	2.6	ND	2.9
	3/11/2022	300	ND	ND	4.0
	3/18/2022	340	2.1	ND	7.4
	3/25/2022	330	ND	ND	6.4
April	4/1/2022	310	0.0	ND	5.5
	4/8/2022	320	0.0	ND	4.7
	4/15/2022	230	3.0	ND	2.0
	4/22/2022	290	2.4	ND	3.8
	4/29/2022	300	3.4	ND	4.4
May	5/6/2022	350	2.3	ND	ND
	5/13/2022	260	3.3	2.8	2.9
	5/20/2022	370	4.4	3.0	3.4
	5/27/2022	330	2.8	2.6	3.1
June	6/3/2022	340	3.6	2.7	3.6
	6/10/2022	370	5.9	2.3	2.6
	6/17/2022	340	4.7	3.0	3.2
	6/24/2022	370	4.8	5.4	2.6
July	7/1/2022	420	4.0	3.7	3.7
	7/8/2022	340	4.6	3.2	2.2
	7/15/2022	340	4.0	2.6	2.1
	7/22/2022	380	3.7	2.6	2.6
	7/29/2022	300	3.9	2.7	ND
August	8/5/2022	380	0.0	ND	3.6
	8/12/2022	420	2.2	2.5	2.5
	8/19/2022	370	3.6	3.4	2.5
	8/26/2022	340	2.1	3.8	2.4
September	9/2/2022	370	2.5	2.6	3.2
	9/9/2022	420	2.2	2.2	2.8
	9/16/2022	330	0.0	4.4	3.6
	9/23/2022	370	0.0	3.8	2.4
	9/30/2022	390	2.2	4.6	2.4
October	10/7/2022	360	0	2	2.4
	10/14/2022	370	0	2	2.2
	10/21/2022	400	0	0	4.0
	10/28/2022	370	0	0	3.2
November	11/4/2022	340	0	0	2.3
	11/10/2022	360	0	0	4.1
	11/18/2022	290	0	2	3.0
	11/22/2022	360	3	0	4.4
December	12/2/2022	300	0	0	3.8
	12/9/2022	260	2.9	0	5.6
	12/16/2022	320	0.0	2.3	5.8
	12/21/2022	370	2.6	0.0	7.0
	12/28/2022	440	3.6	0.0	2.6
Average		342	2	2	4
Maximum		440	5.9	5	7
Minimum		190	0	0	2

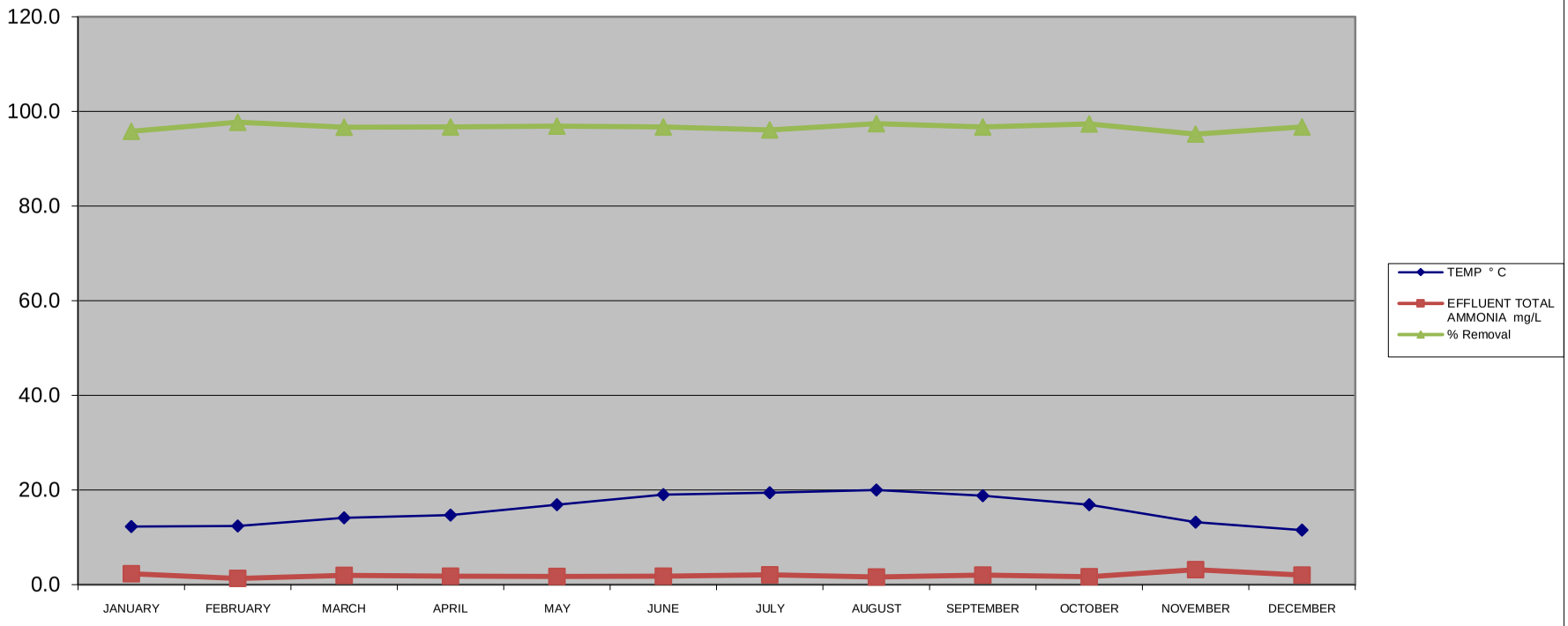
McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITIES INFLUENT & EFFLUENT
AVERAGE AMMONIA, TEMPERATURE, pH,
ANNUAL MONTHLY AVERAGE 2022

DATE	pH	TEMP ° C	INFLUENT TOTAL AMMONIA mg/L		pH	TEMP ° C	EFFLUENT TOTAL AMMONIA mg/L	% Removal
JANUARY	7.9	14.5	58		7.1	12.3	2.30	95.8
FEBRUARY	8.0	14.6	57		7.1	12.4	1.30	97.7
MARCH	8.0	15.0	58		7.3	14.1	1.95	96.6
APRIL	7.9	15.1	54		7.4	14.7	1.77	96.7
MAY	8.0	16.5	56		7.4	16.9	1.74	96.9
JUNE	7.8	18.3	55		7.2	19.0	1.80	96.7
JULY	7.7	19.1	52		7.2	19.4	2.05	96.1
AUGUST	7.8	20.0	60		7.2	20.0	1.59	97.4
SEPTEMBER	7.7	19.8	61		7.2	18.8	1.99	96.7
OCTOBER	7.7	18.7	64		7.1	16.9	1.67	97.4
NOVEMBER	7.8	16.4	66		7.1	13.2	3.16	95.2
DECEMBER	7.9	14.9	62		7.0	11.5	2.04	96.7
AVERAGE	7.9	16.9	59		7.2	15.8	1.9	96.7
MAXIMUM	8.0	20.0	66		7.4	20.0	3.2	97.7
MINIMUM	7.7	14.5	52		7.0	11.5	1.3	95.2

EXHIBIT G


Average Total Ammonia
Concentration in mg/l
70
60
50
40
30
20
10
0
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
INFLUENT TOTAL AMMONIA mg/L
EFFLUENT TOTAL AMMONIA mg/L

Relationship Between Temperature and Removal of Monthly Averages



Monitoring Well Levels

Date	Well ID	T.O.C. Elevation	Depth of GW	G.W. elev. above sea level/ft	inches
1/5/2022	GW-001	63.61	24.00	39.61	475.32
1/5/2022	GW-002	61.40	19.10	42.30	507.60
1/5/2022	GW-006	15.70	4.40	11.30	135.60
1/5/2022	GW-007	44.36	24.40	19.96	239.52
1/5/2022	GW-009	37.65	25.20	12.45	149.40
1/5/2022	GW-019	16.08	7.45	8.63	103.56

Date	Well ID	T.O.C. Elevation	Depth of GW	G.W. elev. above sea level/ft	inches
4/7/2022	GW-001	63.61	23.4	40.21	482.52
4/7/2022	GW-002	61.4	18.9	42.50	510.00
4/7/2022	GW-006	15.7	7.4	8.30	99.60
4/7/2022	GW-007	44.36	17.4	26.96	323.52
4/7/2022	GW-009	37.65	23.4	14.25	171.00
4/7/2022	GW-019	16.08	5.0	11.08	132.96

Date	Well ID	T.O.C. Elevation	Depth of GW	G.W. elev. above sea level/ft	inches
7/27/2022	GW-001	63.61	16.2	47.41	568.92
7/27/2022	GW-002	61.4	17.6	43.8	525.60
7/27/2022	GW-006	15.7	6.3	9.4	112.80
7/27/2022	GW-007	44.36	19.4	24.96	299.52
7/27/2022	GW-009	37.65	17	20.65	247.80
7/27/2022	GW-019	16.08	7.8	8.28	99.36

Date	Well ID	T.O.C. Elevation	Depth of GW	G.W. elev. above sea level/ft	inches
10/4/2022	GW-001	63.61	21.15	42.46	509.52
10/4/2022	GW-002	61.4	17.6	43.8	525.60
10/4/2022	GW-006	15.7	6.45	9.25	111.00
10/4/2022	GW-007	44.36	13.4	30.96	371.52
10/4/2022	GW-009	37.65	22.7	14.95	179.40
10/4/2022	GW-019	16.08	7.9	8.18	98.16

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
MONITORING WELL DATA 2022

Location	GW-001		GW-002		GW-006		GW-007		GW-009		GW-019	
Quarter	Nitrate	TDS	Nitrate	TDS	Nitrate	TDS	Nitrate	TDS	Nitrate	TDS	Nitrate	TDS
Q1	2.8	140	6.3	110	3.4	140	4.5	150	3.1	130	ND	4800
Q2	2.9	150	5.1	93	4.6	160	5.5	140	2.5	150	ND	4900
Q3	3.5	150	5	120	2.5	190	1.9	180	2.1	140	ND	6400
Q4	2.7	120	3.5	120	1.7	180	1.9	140	1.9	180	ND	6200
AVERAGE	3.0	140.0	5.0	110.8	3.1	167.5	3.5	152.5	2.4	150.0	0.0	5575.0
MAXIMUM	3.5	150.0	6.3	120.0	4.6	190.0	5.5	180.0	3.1	180.0	0.0	6400.0
MINIMUM	2.7	120.0	3.5	93.0	1.7	140.0	1.9	140.0	1.9	130.0	0.0	4800.0

McKinleyville Community Services District
River Monitoring 2022

Upstream RSW-001

Month	Date	Time	CFS	Temp	pH	D.O.	NTU	Conductivity	Ammonia	Hardness	TDS
January	1/3/2022	15:30	1740	11.7	6.7	11.1	21.7	135	ND	59	83
February	2/1/2022	15:00	400	9.5	7.5	9.7	5	108	ND	65	100
March	3/1/2022	15:50	204	12.5	6.8	11.4	1.1	130	ND	73	84
April	4/4/2022	8:05	161	13.1	7.6	9.4	1.6	160	ND	77	100
May	5/2/2022	15:20	722	12.8	7.4	10.9	5.3	118	ND	63	70
June	6/1/2022	7:25	412	15.6	7.1	8.9	1.7	138	1.1	69	100
July	7/5/2022	10:00	157	18.6	7.2	8.9	0.9	182	ND	85	100
August	8/1/2022	16:00	72	22.0	7.6	11.5	0.7	289	ND	230	260
September	9/6/2022	13:50	46	21.8	7.1	9.3	0.8	249	ND	110	160
October	10/3/2022	11:25	56	17.8	7.0	9.0	0.5	190	ND	88	110
November	11/1/2022	11:20	58	13.6	7.0	9.6	1.60	318	ND	160	500
December	12/1/2022	11:20	340	9.6	7.0	11.3	7.30	222	ND	74	170
Average				14.9	7.2	10.1	4.0	187	ND	96	153
Maximum				22.0	7.6	11.5	21.7	318	ND	230	500
Minimum				9.5	6.7	8.9	0.5	108	ND	59	70

Upstream RSW-002

Month	Date	Time	CFS	Temp	pH	D.O.	NTU	Conductivity	Ammonia	Hardness	TDS
January	1/3/2022	15:45	1740	11.8	6.8	11.2	18.8	147	ND	56	77
February	2/1/2022	15:10	400	9.2	7.4	9.4	4.8	139	ND	69	130
March	3/1/2022	16:00	204	11.6	6.9	11.0	1.3	142	ND	71	91
April	4/4/2022	8:10	161	13.2	7.6	9.5	1.5	179	ND	77	179
May	5/2/2022	15:30	722	13.7	7.2	9.7	4.4	179	0.19	69	110
June	6/1/2022	7:30	412	16.2	7.4	8.8	1.9	161	ND	68	120
July	7/5/2022	10:10	157	18.4	7.4	8.1	1.0	157	ND	84	120
August	8/1/2022	16:10	72	21.8	7.7	11	0.8	1220	ND	110	180
September	9/6/2022	8:45	46	21.9	7.2	8.7	0.9	970	ND	190	660
October	10/3/2022	11:35	56	17.7	6.9	8.4	0.6	530	ND	120	310
November	11/1/2022	11:30	58	14.2	7.1	9.4	1.7	407	ND	360	1800
December	12/1/2022	11:30	340	10.0	7.0	11.4	5.40	150.0	ND	76	120
Average				15.0	7.2	9.7	3.6	365	0.19	113	325
Maximum				21.9	7.7	11.4	18.8	1220	0.19	360	1800
Minimum				9.2	6.8	8.1	0.6	139	0.19	56	77

WWMF EFF-001

Month	Date	Time	CFS	Temp	pH	D.O.	NTU	Conductivity	Ammonia	Hardness	TDS
January	1/3/2022	11:00	1740	13.0	7.0	6.4	2	302	1.1	95	
February	2/1/2022	11:00	400	12.6	6.9	6.4	2	357	1.2	99	280
March	3/1/2022	13:20	204	13.2	7.2	6.1	1.1	304	1.4	99	250
April	4/4/2022	8:15	161	15.2	7.5	8.5	1.3	382	2.4	94	240
May	5/2/2022	14:40	722	17.5	7.5	7.3	0.8	350	0.92	87	200
June	6/1/2022	11:00	412	18	7.3	4.9	1.9	393	1.1		240
July	7/5/2022	11:00	157	19.0	7.2	3.8	1.5	386	2.6		230
August	8/1/2022	11:00	72	20.2	7.2	4.8	1.2	424	1.7		260
September	9/6/2022	13:40	46	19.4	7.3	3.2	1.6	428	1.4		280
October	10/3/2022	9:30	56	18.1	7.0	5.1	0.9	441	2.2		270
November	11/1/2022	8:30	58	15.9	7.2	6	0.7	440	1.9		280
December	12/1/2022	13:30	340	12.3	7.1	6.3	1.2	308	1.6	110	260
Average				16.2	7.2	5.7	1.4	376	2	0	254
Maximum				20.2	7.5	8.5	2.0	441	3	110	280
Minimum				12.3	6.9	3.2	0.7	302	1	87	200

McKinleyville Community Services District
Wastewater Management Facility
Pond Ammonia Levels in mg/L
Annual Averages 2022

Date		Pond 1	Pond 2	Pond 3	Pond 4	Pond 5
January		1.28	0.67	0.98	EMPTY	EMPTY
February		1.16	0.42	0.25	EMPTY	EMPTY
March		0.07	0.01	0.01	EMPTY	EMPTY
April		0.06	0.00	0.01	EMPTY	EMPTY
May		0.17	0.01	0.01	EMPTY	EMPTY
June		0.28	0.14	0.25	EMPTY	EMPTY
July		0.02	0.05	0.09	EMPTY	EMPTY
August		0.03	0.03	0.02	EMPTY	EMPTY
September		0.03	0.03	0.03	EMPTY	EMPTY
October		0.34	0.05	0.06	EMPTY	EMPTY
November		2.03	0.24	0.78	EMPTY	EMPTY
December		1.90	0.61	0.51	EMPTY	EMPTY
Average		0.61	0.19	0.25		
Minimum		0.02	0.00	0.01		
Maximum		2.03	0.67	0.98		

McKinleyville Community Services District
Wastewater Management Facility
Pond Temperatures in C
Annual Averages 2022

							Average
Date		Pond 1	Pond 2	Pond 3	Pond 4	Pond 5	Pond Temp.
January		11.6	11.6	11.6			11.6
February		13.0	13.2	13.4			13.2
March		14.4	14.5	14.5			14.5
April		15.1	15.6	15.2			15.3
May		17.3	17.8	17.6			17.6
June		20.5	19.9	20.2			20.2
July		20.0	19.5	19.0			19.5
August		19.9	19.9	19.4			19.7
September		18.2	18.6	18.3			18.4
October		15.8	15.5	15.4			15.6
November		12.8	12.1	12.2			12.4
December		10.8	10.2	9.9			10.3
Average		15.8	15.7	15.6			15.7
Minimum		10.8	10.2	9.9			10.3
Maximum		20.5	19.9	20.2			20.2

McKinleyville Community Services District
Wastewater Management Facility
Pond pH
Annual Averages 2022

Date		Pond 1	Pond 2	Pond 3	Pond 4	Pond 5	Average Pond pH
January		7.2	7.3	7.4	EMPTY	EMPTY	7.3
February		7.1	7.3	7.5	EMPTY	EMPTY	7.3
March		7.7	8.2	8.3	EMPTY	EMPTY	8.1
April		7.6	9.1	9.4	EMPTY	EMPTY	8.7
May		7.7	8.8	9.4	EMPTY	EMPTY	8.7
June		8.4	8.3	9.4	EMPTY	EMPTY	8.7
July		8.6	8.1	9.1	EMPTY	EMPTY	8.6
August		8.3	8.0	8.2	EMPTY	EMPTY	8.2
September		7.4	7.7	7.6	EMPTY	EMPTY	7.5
October		7.3	7.4	7.3	EMPTY	EMPTY	7.3
November		7.1	7.6	7.4	EMPTY	EMPTY	7.3
December		7.0	7.3	7.5	EMPTY	EMPTY	7.3
Average		7.6	7.9	8.2			7.9
Minimum		7.0	7.3	7.3			7.3
Maximum		8.6	9.1	9.4			8.7

McKinleyville Community Services District
Wastewater Management Facility
Pond Dissolved Oxygen in mg/L
Annual Averages 2022

Date		Pond 1	Pond 2	Pond 3	Pond 4	Pond 5	Average Pond D.O.
January		6.4	5.6	7.7	EMPTY	EMPTY	6.5
February		6.8	7.2	7.8	EMPTY	EMPTY	7.2
March		10.1	12.3	11.3	EMPTY	EMPTY	11.3
April		9.1	13.0	12.5	EMPTY	EMPTY	11.5
May		9.2	8.7	10.0	EMPTY	EMPTY	9.3
June		9.9	6.1	6.9	EMPTY	EMPTY	7.7
July		8.7	3.8	5.6	EMPTY	EMPTY	6.0
August		6.6	4.5	3.6	EMPTY	EMPTY	4.9
September		6.0	5.3	3.3	EMPTY	EMPTY	4.8
October		6.9	5.4	3.5	EMPTY	EMPTY	5.3
November		5.6	9.8	6.0	EMPTY	EMPTY	7.1
December		7.6	8.2	8.4	EMPTY	EMPTY	8.1
Average		7.7	7.5	7.2			7.5
Minimum		5.6	3.8	3.3			4.8
Maximum		10.1	13.0	12.5			11.5

McKinleyville Community Services District
Wastewater Management Facility
Pond Depths, Elevation in Feet Above Sea Level
Annual Averages 2022

Date		Pond 1	Pond 2	Pond 3	Pond 4	Pond 5	Average Pond Depth
January		60.7	60.5	60.5	EMPTY	EMPTY	60.6
February		60.4	60.3	60.3	EMPTY	EMPTY	60.3
March		60.4	60.1	60.1	EMPTY	EMPTY	60.2
April		60.5	60.0	60.0	EMPTY	EMPTY	60.2
May		60.6	60.2	60.2	EMPTY	EMPTY	60.3
June		60.9	60.8	60.8	EMPTY	EMPTY	60.8
July		60.5	60.4	60.4	EMPTY	EMPTY	60.5
August		60.6	60.5	60.5	EMPTY	EMPTY	60.5
September		60.3	60.2	60.1	EMPTY	EMPTY	60.2
October		60.1	60.0	59.9	EMPTY	EMPTY	60.0
November		61.0	60.9	60.9	EMPTY	EMPTY	60.9
December		61.5	61.4	61.4	EMPTY	EMPTY	61.4
Average		60.6	60.4	60.4			60.5
Minimum		60.1	60.0	59.9			60.0
Maximum		61.5	61.4	61.4			61.4

MCKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
ELECTRIC, CL_2, $SO_{2,\ WATER}$ and RAIN DATA
ANNUAL 2022

DATE	PG&E kw Hours	CL_2 USAGE lbs.	SO2 USAGE lbs.	RAIN inches
JANUARY	1928	26	21	0.10
FEBRUARY	1913	24	21	0.02
MARCH	2014	22	1	0.07
APRIL	1845	23	15	0.16
MAY	2028	13	9	0.08
JUNE	2095	18	0	0.08
JULY	2003	21	0	0.02
AUGUST	2133	24	0	0.00
SEPTEMBER	-171	19	0	0.02
OCTOBER	521	21	0	0.01
NOVEMBER	421	16	0	0.17
DECEMBER	933	27	18	0.40

AVERAGE	1472	21	7	0.09
MAXIMUM	2133	27	21	0.40
MINIMUM	-171	13	0	0.00

WWMF WATER METER			
DATE	LOW	HIGH	CU.FT.
START	09787	005302	
END	17083	009387	

Month		Year	2022	McKinleyville WWMF Annual Averages																																								
	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU
January	0.950	1.073	0.033	80	325	327	2.6	1.4	2656	2573	2558	2285	6101	473	21	89	2587	2451	69781	1707	20	185	41	0.040	7.9	6.9	7.1	6.9	6.9	6.9	6.9	335	139	137	136	58	1.25	1.16	2.23	2.30	3.0	3.9	3.1	3.0	0.8	1.5
February	0.836	0.955	0.031	80	328	303	3.0	1.4	2668	2531	2536	2264	6241	496	18	89	2058	2283	69381	1614	20	196	43	0.037	8.0	7.0	7.1	6.8	6.8	6.8	6.8	316	133	124	122	57	0.52	0.37	1.23	1.30	4.5	7.9	6.1	4.7	0.6	1.0
March	0.823	0.879	0.031	80	315	313	3.8	1.6	2597	2470	2515	2259	5718	531	17	90	2080	2195	67615	1478	26	211	45	0.036	8.0	7.1	7.3	7.0	7.0	6.9	7.0	323	147	140	141	58	0.34	0.42	1.68	1.95	1.1	0.9	1.1	2.4	0.9	1.3
April	0.860	0.944	0.031	80	290	280	2.5	1.5	2536	2474	2469	2219	5682	531	21	90	1989	2060	66846	1469	18	215	45	0.035	7.9	7.1	7.4	7.0	7.0	6.9	6.7	288	138	136	136	54	0.32	0.42	1.42	1.77	1.2	1.0	1.5	1.6	0.7	1.0
May	0.857	0.712	0.031	80	328	298	2.9	1.5	2506	2449	2427	2173	4953	404	17	90	2182	2307	66113	1271	20	167	51	0.039	8.0	7.1	7.4	7.0	7.0	6.9	7.0	297	140	140	131	56	0.41	0.43	1.08	1.74	1.0	0.6	0.9	0.8	1.1	1.3
June	0.836	0.876	0.030	80	355	323	3.8	1.7	2561	2436	2483	2202	5367	341	19	89	2234	2417	66678	1333	26	138	52	0.041	7.8	7.1	7.2	7.0	7.0	7.0	7.0	322	139	140	135	55	0.29	0.31	1.35	1.80	1.0	0.9	1.0	1.2	1.5	1.5
July	0.781	0.637	0.030	80	356	267	3.2	1.7	2604	2516	2512	2188	5769	371	16	87	1735	2296	68314	1428	20	148	79	0.039	7.7	7.1	7.2	7.0	7.0	7.0	7.0	317	160	154	157	52	0.04	0.14	1.54	2.05	1.5	1.0	1.0	0.9	1.2	1.2
August	0.792	0.855	0.031	80	378	316	2.8	0.7	2656	2490	2476	2145	5808	390	19	87	2120	2470	68665	1502	18	158	47	0.043	7.8	7.1	7.2	7.0	7.0	7.0	7.1	362	156	152	154	60	0.06	0.17	1.23	1.59	1.3	1.0	0.9	0.7	0.9	0.9
September	0.776	0.739	0.031	80	376	341	2.1	1.0	2634	2593	2535	2216	5886	462	16	87	2182	2432	69747	1522	13	182	46	0.041	7.7	7.1	7.2	7.0	7.0	7.0	7.0	345	162	159	160	61	0.09	0.15	1.39	1.99	1.5	1.2	1.3	0.8	0.7	1.4
October	0.770	0.758	0.031	80	375	341	1.7	0.7	2482	2380	2397	2117	5449	526	35	88	2147	2408	64634	1414	11	223	46	0.043	7.7	7.1	7.1	7.0	7.0	7.0	7.0	349	150	148	157	64	0.13	0.36	1.06	1.67	5.5	3.0	4.1	2.2	0.7	0.7
November	0.790	0.722	0.033	80	338	330	2.1	0.6	2469	2331	2342	2077	5948	702	23	89	2138	2298	64048	1608	13	300	40	0.041	7.8	7.1	7.1	7.0	6.9	7.0	7.0	360	143	144	138	66	0.19	0.28	2.05	3.16	3.5	6.1	4.6	2.9	0.7	0.6
December	0.911	1.031	0.037	80	338	308	4.7	1.7	2510	2434	2413	2162	5980	762	21	90	2291	2471	65967	1822	32	316	36	0.043	7.9	7.0	7.0	6.9	6.9	6.8	6.9	331	138	132	127	62	0.06	0.08	1.41	2.03	4.2	5.1	3.9	3.5	1.1	0.9
Minimum	0.770	0.637	0.030	80	290	267	1.7	0.6	2469	2331	2342	2077	4953	341	16	87	1735	2060	64048	1271	11	138	36	0.035	7.7	6.9	7.0	6.8	6.8	6.8	6.7	288	133	124	122	52	0.04	0.08	1.06	1.30	1.0	0.6	0.9	0.7	0.6	0.6
Maximum	0.950	1.073	0.037	80	378	341	4.7	1.7	2668	2593	2558	2285	6241	762	35	90	2587	2471	69781	1822	32	316	79	0.043	8.0	7.1	7.4	7.0	7.0	7.0	7.1	362	162	159	160	66	1.25	1.16	2.23	3.16	5.5	7.9	6.1	4.7	1.5	1.5
Average	0.832	0.848	0.032	80	342	312	2.9	1.3	2573	2473	2472	2192	5742	499	20	89	2145	2341	67316	1514	20	203	48	0.040	7.9	7.1	7.2	7.0	7.0	6.9	7.0	329	145	142	141	59	0.31	0.36	1.47	1.95	2.4	2.7	2.5	2.1	0.9	1.1

Month	January	2022		McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	C	0.946	1.025	0.034	80	250													1972								7.3		6.9																		2.5			0.8/0.8		
2	S	1.001	1.020	0.034	80	250													2087								7.6		6.9																		2.2			0.8/0.8		
3	R	1.005	1.016	0.034	80	250	302	1.8	1.6	2698	2572	2622	2352	6018	460		90	2531	2095	70323	1706	15	175	41	0.033	7.8	7.0	7.0	6.9	6.9	6.9	6.9	260	140	140	140	48	0.00	0.00	1.16	1.28	1.0	1.4	1.2	2.0	0.7	2.0			0.8/0.8	4'/2'	4'/2'
4	R	1.112	0.997	0.034	80	250	444	2.8	2.8	2841	2595	2669	2398	6132	480		90	4118	2319	72538	1739	26	180	41	0.036	8.1	7.0	7.1	7.0	7.0	7.0	7.0	360	140	140	140	64	0.00	0.23	1.28	1.94	2.2	2.7	1.6	3.0	0.5	2.6			0.8/0.8	5.5'/2.5'	5'/2'
5	R	1.090	1.246	0.034	80	250	377	2.2	1.8	2729	2627	2652	2360	6008	470		89	3427	2273	71470	1704	20	177	41	0.036	8.0	7.0	6.9	7.0	7.0	7.0	7.0	380	140	140	140	60	0.00	0.08	1.48	1.84	1.8	2.4	2.2	2.6	0.9	1.2			0.8/0.8	5'/2'	5'/2'
6	O	1.064	1.379	0.034	80	250	336	1.8	1.8	2661	2657	2672	2383	5798	470		89	2982	2218	70963	1644	16	176	43	0.035	7.5	6.9	7.0	6.9	6.9	6.9	6.9	320	140	140	140	54	0.01	0.06	1.44	2.04	2.3	3.4	3.3	3.3	0.6	2.9			0.8/0.8	6'/2'	6'/2'
7	O	1.109	1.348	0.034	80	400	402	2.4	1.8	2721	2651	2683	2390	6042	460	20	89	3718	3700	71684	1713	22	171	41	0.058	7.7	7.0	7.0	7.0	7.0	7.0	7.0	360	140	140	140	52	0.00	0.01	1.28	2.04	2.1	2.7	2.9	3.0	0.6	1.9	4.8	2.6	0.8/0.8	5.5'/2.5'	6'/2'
8	C	1.089	1.350	0.034	80	400													3633								7.9		7.2																		2.8			0.8/0.8		
9	C	1.091	1.358	0.034	80	400													3640								7.9		7.2																		2.1			0.8/0.8		
10	O	1.005	0.746	0.034	80	400	230	1.2	2.8	2753	2565	2695	2441	5196	480		91	1928	3353	70963	1473	10	178	48	0.051	8.1	7.0	7.1	6.9	6.9	6.9	6.9	320	140	140	140	48	0.00	0.00	3.26	2.10	1.0	0.3	0.9	1.5	0.5	1.8			0.8/0.8	4'/2'	6'/3'
11	C	0.974	0.000	0.034	80	400	189	3.6	X	2741	2591	2605	2343	5746	490		90	1535	3249	71150	1629	29	188	43	0.052	8.1	7.0	X	6.9	6.9	7.0	7.0	260	140	120	120	46	0.04	0.05	0.64	X	0.9	0.7	0.5		0.2	X			0.8/0.8	4'/2'	5'/3'
12	C	0.966	0.621	0.034	80	400	292	6.0	1.0	2657	2562	2637	2377	5396	480		90	2352	3223	69642	1530	48	182	44	0.051	8.2	6.9	7.1	6.9	7.0	6.9	7.1	300	140	140	140	56	0.67	0.36	0.86	2.64	1.3	1.0	0.7	1.9	0.6	1.4			0.8/0.8	5'/2'	5'/3'
13	O	0.933	1.098	0.034	80	400	230	2.8	1.0	2739	2578	2566	2316	6298	460		90	1790	3112	70950	1786	22	179	39	0.050	8.0	7.1	7.1	6.9	6.9	6.8	6.9	260	140	140	140	44	0.03	0.41	1.38	2.34	1.2	0.7	0.9	2.4	0.4	1.3			0.8/0.8	4'/2'	5'/2'
14	C	0.912	1.290	0.034	80	190	304	2.6	2.0	2583	2586	2525	2272	5722	500	14	90	2312	1445	68975	1623	20	198	42	0.024	8.1	7.1	7.2	6.9	6.9	6.9	7.0	300	140	140	140	58	0.06	0.15	1.54	2.24	1.2	0.5	0.9	1.7	0.4	1.3	5.1	0.0	0.8/0.8	5'/3'	4'/1'
15	C	0.928	1.329	0.034	80	190													1471								7.8		7.1																		1.3			0.8/0.8		
16	C	0.954	1.374	0.034	80	190													1512								7.9		7.1																		1.3			0.8/0.8		
17	O	0.967	1.306	0.034	80	190													1532								8.0		7.1																		1.4			0.8/0.8		
18	O	0.903	1.153	0.034	80	190	268	2.0	1.0	2609	2524	2445	2181	5568	470		89	2018	1431	68495	1579	15	192	43	0.025	8.1	7.1	7.0	7.0	7.0	6.9	6.9	320	140	120	120	58	0.02	0.32	1.52	2.10	1.3	0.4	0.6	1.8	0.7	1.1			0.8/0.8	5'/2'	4'/2'
19	C	0.884	1.053	0.034	80	190	326	1.8	2.0	2620	2471	2548	2265	5664	460		89	2403	1401	67934	1606	13	181	42	0.023	8.0	7.0	7.0	7.0	7.0	7.0	7.0	380	140	140	140	60	0.18	0.22	1.88	2.02	1.2	2.0	1.6	1.8	1.8	1.4			0.8/0.8	4'/2'	4'/2'
20	C	0.874	1.046	0.034	80	190	268	1.8	1.4	2572	2379	2492	2217	5848	460		89	1953	1385	66066	1658	13	185	40	0.023	7.7	7.1	7.1	7.0	7.0	7.0	7.0	340	140	140	140	48	0.08	0.22	1.48	1.80	2.6	3.0	2.8	3.3	1.4	1.0			0.8/0.8	5'/2'	5'/2'
21	C	0.871	1.049	0.034	80	370	325	1.4	1.2	2488	2421	2487	2206	5428	470	28	89	2361	2688	65506	1539	10	189	42	0.046	7.5	7.0	7.2	7.0	7.0	7.0	7.0	400	140	140	140	54	0.00	0.08	1.80	1.86	1.2	2.3	2.1	2.8	1.4	1.2	0.0	0.0	0.8/0.8	4'/2'	4'/2'
22	C	0.892	1.045	0.034	80	370													2753								7.9		7.0																		1.2			0.8/0.8		
23	C	0.937	1.048	0.034	80	370													2891								7.6		7.0																		1.8			0.8/0.8		
24	C	0.881	1.050	0.034	80	370	453	3.8	0.2	2744	2744	2525	2188	5580	453		87	3328	2719	73232	1582	28	179	45	0.047	8.0	7.0	7.0	6.9	6.9	6.9	6.9	380	160	160	160	76	0.68	0.39	1.17	1.62	0.6	0.7	0.6	1.6	0.6	1.0			0.8/0.8	4'/2'	4'/2'
25	O	0.862	1.054	0.034	80	370	328	3.4	0.8	2656	2774	2627	2308	5896	510		88	2358	2660	72458	1672	24	194	43	0.043	8.2	7.0	7.2	6.9	6.9	6.9	6.9	360	140	140	140	80	0.13	0.08	1.25	1.82	1.2	0.8	0.8	1.6	0.6	1.0			0.8/0.8	5'/3'	5'/2.5'
26	O	0.877	1.047	0.034	80	370	353	3.8	0.8	2559	2533	2335	2048	8656	460		88	2582	2706	67948	2454	28	197	27	0.050	8.0	6.9	7.2	6.8	6.8	6.8	6.8	340	140	140	140	68	8.08	7.00	5.76	3.88	9.2	10.8	7.2	4.8	0.9	0.8			0.8/0.8	6'/3'	6'/4'
27	C	0.848	1.047	0.032	80	370	376	3.4	1.2	2582	2560	2398	2195	8844	490		92	2659	2617	68615	2360	24	204	29	0.045	8.0	6.9	7.1	6.9	6.9	6.8	6.9	320	140	140	140	64	12.00	13.00	8.00	4.80	12.0	16.4	10.5	6.2	0.5	0.7			0.8/0.8	6'/3'	6'/3'
28	C	0.841	1.049	0.031	80	340	175	1.4	0.6	2575	2539	2467	2212	6820	500	20	90	1227	2385	68241	1763	10	203	38	0.040	7.7	6.8	7.1	6.7	6.8	6.8	6.7	360	120	100	100	48	2.52	0.36	6.28	3.68	12.0	16.2	10.9	5.9	0.6	0.9	5.8	0.0	0.8/0.8	3'/1.5'	5'/2.5'
29	C	0.867	1.047	0.031	80	340													2458								7.6		7.0																		0.8			0.8/0.8		
30	C	0.925	1.046	0.031	80	340													2623								7.5		6.9																		1.6			0.8/0.8		
31	C	0.863	1.052	0.031	80	340	578	1.8	0.8	2594	2537	2523	2262	5370	450		90	4160	2447	68468	1388	13	178	49	0.041	7.6	6.9	6.9	6.8	6.8	6.8	6.8	380	120	140	120	78	0.64	0.22	1.22	1.70	4.5	10.6	10.6	6.7	3.2	1.0			0.8/0.8	4'/2'	4'/2'
Minimum		0.841	0.000	0.031	80	190	175	1.2	0.2	2488	2379	2335	2048	5196	450	14	87	1227	1385	65506	1388	10	171	27	0.025	7.3	6.8	6.9	6.7	6.8	6.8	6.7	260	120	100	100	44	0.00	0.00	0.64	1.28	0.6	0.3	0.5	1.5	0.2	0.7	0.0	0.0			
Maximum		1.112	1.379	0.034	80	400	578	6.0	2.8	2841	2774	2695	2441	8844	510	28	92	4160	3700	73232	2454	48	204	49	0.057	8.2	7.1	7.2	7.0	7.0	7.0	7.1	400	160	160	160	80	12.00	13.00	8.00	4.80	12.0	16.4	10.9	6.7	3.2	2.9	5.8	2.6			
Average		0.950	1.073	0.033	80	325	328	2.6	1.4	2656	2573	2558	2285	6101	473	21	89	2587	2451	69781	1707	20	185	41	0.040	7.9	6.9	7.1	6.9	6.9	6.9	6.9	335	139	137	136	58	1.25	1.16	2.23	2.30	3.0	3.9	3.1	3.0	0.8	1.5	3.9	0.7			

Month	February	2022		McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	C	0.837	1.051	0.031	80	340	461	1.8	0.2	2624	2581	2498	2238	5338	480		90	3218	2373	69456	1380	13	192	50	0.040	7.7	6.9	6.9	6.9	6.8	6.8	6.8	340	140	120	100	72	0.28	0.81	0.85	1.40	4.2	7.3	7.1	5.0	1.0	2.0			0.8/0.8	4'/2'	4'/2'
2	C	0.841	1.051	0.031	80	340	416	3.4	3.0	2631	2681	2632	2183	6466	500		83	2918	2385	70883	1672	24	190	42	0.041	7.7	6.7	7.0	6.7	6.7	6.7	6.7	360	100	100	100	66	4.60	1.98	5.80	5.00	11.2	18.0	13.1	5.6	0.9	1.4			0.8/0.8	4'/2'	5'/2.5'
3	C	0.838	1.046	0.031	80	340	194	3.0	1.4	2565	2575	2626	2358	5880	460		90	1356	2376	68588	1520	21	175	45	0.038	7.5	6.8	7.0	6.7	6.7	6.7	6.8	220	100	100	100	34	0.00	0.12	1.52	1.82	12.2	15.1	14.2	7.5	0.6	1.0			0.8/0.8	4'/2'	4'/2'
4	O	0.818	1.045	0.031	80	310	217	3.6	1.4	2774	2582	2593	2335	6660	480	16	90	1480	2115	71470	1722	25	185	41	0.034	7.9	6.9	7.0	6.7	6.7	6.8	6.7	240	120	120	120	50	0.17	0.26	0.76	1.30	10.8	13.7	11.7	5.2	0.6	1.1	5.0	0.0	0.8/0.8	5'/3'	4'/2'
5	C	0.865	1.048	0.031	80	310													2236							8.6		7.1																			1.0			0.8/0.8		
6	C	0.911	1.040	0.031	80	310													2355							8.1		7.1																			1.0			0.8/0.8		
7	O	0.839	1.041	0.031	80	310	209	2.8	1.6	2698	2539	2615	2360	6014	500		90	1462	2169	69883	1555	20	191	44	0.034	7.8	6.9	7.0	6.8	6.7	6.8	6.8	260	120	120	120	46	0.04	0.14	1.14	1.54	6.9	9.6	10.9	5.7	0.5	1.2			0.8/0.8	5'/3'	5'/3'
8	C	0.831	1.040	0.031	80	310	262	2.8	1.2	2678	2516	2658	2389	5936	510		90	1816	2148	69309	1535	19	192	45	0.034	8.1	6.9	7.1	6.9	6.8	6.9	7.1	320	140	120	120	44	0.23	0.05	0.90	1.46	1.5	4.7	4.5	4.0	0.5	1.0			0.8/0.8	4'/2'	5'/2'
9	C	0.837	1.043	0.031	80	310	338	3.4	1.0	2544	2435	2490	2223	5108	510		89	2359	2164	66440	1321	24	205	49	0.036	8.1	6.9	7.0	6.9	6.9	6.9	6.9	300	140	120	120	68	0.97	0.61	0.64	1.12	1.0	3.6	2.7	3.0	0.6	0.8			0.8/0.8	5'/3'	5'/2'
10	C	0.826	1.046	0.031	80	310	380	2.4	1.2	2516	2390	2489	2246	6222	490		90	2618	2136	65466	1609	17	197	40	0.036	8.2	7.7	7.0	6.9	6.9	6.9	6.9	400	140	140	140	72	0.18	0.46	0.48	0.68	1.9	4.3	1.9	3.3	0.6	1.0			0.8/0.8	4'/2'	5'/2'
11	C	0.810	1.042	0.031	80	320	204	3.6	2.0	2469	2320	2170	1941	7970	450	22	89	1378	2162	63904	2061	24	207	31	0.042	7.5	7.1	7.0	6.8	6.8	6.9	6.7	260	140	140	140	34	1.17	0.27	1.96	1.52	9.9	13.8	8.2	5.5	0.5	0.9	4.8	0.0	0.8/0.8	5'/2'	5'/3'
12	C	0.841	1.043	0.031	80	320													2244							8.0		7.3																			1.1			0.8/0.8		
13	F	0.904	1.038	0.031	80	320													2413							7.3		7.2																			0.9			0.8/0.8		
14	O	0.830	0.947	0.031	80	320	110	2.2	0.8	2762	2523	2514	2255	6150	510		90	761	2215	70523	1590	15	203	44	0.037	7.4	6.9	7.1	6.9	6.9	6.9	6.9	240	120	140	140	32	0.00	0.09	0.28	0.34	1.4	2.7	3.1	3.1	0.2	1.1			0.8/0.8	5'/3'	4'/2'
15	C	0.825	0.876	0.031	80	320	245	2.0	0.8	2596	2398	2634	2357	6862	500		89	1686	2202	66640	1774	14	190	37	0.035	8.1	6.9	7.1	6.9	6.9	6.9	6.9	320	140	140	140	62	0.18	0.22	0.02	0.12	1.2	3.6	2.6	3.2	0.2	0.8			0.8/0.8	4'/2'	5'/2'
16	C	0.821	0.870	0.031	80	320	501	2.4	0.6	2694	2514	2490	2229	6796	490		90	3430	2191	69496	1757	16	197	39	0.037	8.0	6.9	7.2	6.8	6.7	6.8	6.8	340	140	120	120	70	0.08	0.43	2.40	2.37	8.7	11.1	6.8	4.9	0.7	1.1			0.8/0.8	5'/2.5'	5'/2.5'
17	C	0.812	0.877	0.031	80	320	424	4.6	2.4	2770	2596	2516	2245	6514	500		89	2871	2167	71604	1684	31	199	42	0.036	8.1	6.9	7.2	6.8	6.8	6.8	6.8	320	140	140	120	66	0.10	0.12	0.10	0.12	4.8	8.9	7.5	5.6	0.7	0.8			0.8/0.8	5'/3'	5'/3'
18	C	0.804	0.872	0.031	80	340	332	2.2	1.2	2706	2560	2591	2325	6984	520	20	90	2226	2280	70270	1806	15	201	39	0.037	8.1	6.9	7.3	6.8	6.8	6.8	6.8	340	140	120	120	62	0.17	0.13	1.33	0.78	3.6	8.4	6.1	5.6	0.8	0.9	4.0	2.2	0.8/0.8	5'/2.5'	5'/2.5'
19	O	0.814	0.873	0.031	80	340													2308							8.1		7.1																			0.7			0.8/0.8		
20	O	0.862	0.868	0.031	80	340													2444							8.1		7.0																			0.8			0.8/0.8		
21	O	0.896	0.814	0.031	80	340													2541							8.0		7.1																			0.8			0.8/0.8		
22	C	0.852	0.769	0.031	80	340	192	2.8	1.0	2715	2549	2474	2221	5852	530		90	1364	2416	70243	1513	20	214	46	0.041	8.0	7.0	6.9	6.9	6.9	6.9	6.8	320	140	120	120	60	0.21	0.17	1.08	0.62	1.0	5.3	3.9	4.7	0.6	0.7			0.8/0.8	6'/4'	5'/3'
23	C	0.811	0.765	0.031	80	340	224	2.0	0.8	2518	2332	2457	2192	5584	480		89	1515	2300	64718	1444	14	195	44	0.039	8.1	6.9	7.1	6.9	6.9	6.9	6.9	320	140	120	120	56	0.00	0.19	0.86	1.22	1.2	5.4	3.5	4.7	0.6	0.8			0.8/0.8	5'/3'	5'/3'
24	C	0.790	0.867	0.031	80	340	261	5.0	1.8	3027	2955	2572	2298	6726	520		89	1720	2240	79824	1739	33	202	45	0.037	8.1	7.0	7.2	6.9	6.9	6.9	6.9	340	140	120	120	54	0.04	0.01	0.96	0.70	1.6	6.1	3.8	4.5	0.7	0.8			0.8/0.8	5'/3'	5'/2'
25	C	0.791	0.925	0.031	80	340	248	3.4	2.2	2717	2458	2617	2310	5940	480	14	88	1636	2243	69055	1536	22	183	44	0.036	8.3	7.1	7.1	6.9	6.9	6.9	6.9	380	140	120	120	66	0.09	0.17	1.14	0.88	1.8	5.7	3.2	4.0	0.3	1.0	3.2	0.0	0.8/0.8	4'/2'	6'/2'
26	O	0.815	0.924	0.031	80	340													2311							7.9		7.1																			1.0			0.8/0.8		
27	O	0.874	0.920	0.031	80	340													2478							8.0		7.1																			1.0			0.8/0.8		
28	O	0.811	0.994	0.031	80	340	486	2.8	1.2	2697	2584	2549	2313	5574	520		91	3287	2300	70470	1441	19	204	48	0.037	8.4	7.0	7.1	6.9	6.9	6.9	6.8	380	140	140	140	72	0.28	0.81	1.24	1.70	1.5	1.9	1.6	3.9	0.4	0.9			0.8/0.8	5'/3'	5'/2'
Minimum		0.790	0.765	0.031	80	310	110	1.8	0.2	2469	2320	2170	1941	5108	450	14	83	761	2115	63904	1321	13	175	31	0.034	7.3	6.7	6.9	6.7	6.7	6.7	6.7	220	100	100	100	32	0.00	0.01	0.02	0.12	1.0	1.9	1.6	3.0	0.2	0.7	3.2	2.2			
Maximum		0.911	1.051	0.031	80	340	501	5.0	3.0	3027	2955	2658	2389	7970	530	22	91	3430	2541	79824	2061	33	214	50	0.042	8.6	7.7	7.3	6.9	6.9	6.9	7.1	400	140	140	140	72	4.60	1.98	5.80	5.00	12.2	18.0	14.2	7.5	1.0	2.0	5.0	2.2			
Average		0.836	0.955	0.031	80	328	303	3.0	1.4	2668	2531	2536	2264	6241	496	18	89	2058	2283	69381	1614	20	196	43	0.037	8.0	7.0	7.1	6.8	6.8	6.8	6.8	316	133	124	122	57	0.52	0.37	1.23	1.30	4.5	7.9	6.1	4.7	0.6	1.0	4.3	2.2			

Month	March	Year	2022	McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	O	0.802	0.974	0.031	80	340	335	2.2	0.6	2675	2475	2418	2178	4980	530		90	2241	2274	68722	1288	15	219	53	0.039	8.1	7.0	7.2	6.9	6.9	6.9	6.9	320	140	140	140	62	0.30	0.62	1.38	2.12	1.5	0.7	1.2	3.0	0.3	1.1			0.8/0.8	5'/2'	5'/2'
2	O	0.808	0.988	0.031	80	340	324	6.8	3.4	2625	2572	2581	2328	6098	540		90	2183	2291	69349	1577	46	209	43	0.037	8.1	7.0	7.2	6.9	6.9	6.9	6.9	340	160	160	160	64	0.21	0.00	2.46	3.70	1.3	0.8	1.1	2.8	1.6	1.3			0.8/0.8	4'/2'	4'/2'
3	O	0.800	0.777	0.031	80	340	440	3.0	2.0	2637	2570	2684	2424	6566	520		90	2936	2268	69482	1698	20	194	40	0.035	8.3	7.2	7.2	6.9	6.9	6.9	7.0	400	100	140	120	74	0.26	0.21	3.96	3.86	1.2	0.6	1.2	2.8	0.9	1.5			0.8/0.8	5'/2.5'	4'/2'
4	O	0.789	0.894	0.031	80	290	256	3.8	1.4	2504	2469	2448	2198	5694	490	20	90	1685	1908	66360	1472	25	200	44	0.033	8.2	7.1	7.2	7.0	7.0	6.9	7.0	300	120	120	120	50	0.21	0.23	0.02	1.30	1.1	0.9	1.4	3.3	0.8	1.4	2.9	2.6	0.8/0.8	5'/2'	5'/3'
5	O	0.828	0.793	0.031	80	290													2003							7.9		7.2																			1.0			0.8/0.8		
6	O	0.881	0.792	0.031	80	290													2131							8.3		7.3																			1.0			0.8/0.8		
7	O	0.811	0.935	0.031	80	290	249	2.4	1.0	2575	2536	2610	2337	6088	510		90	1684	1961	68201	1574	16	195	43	0.031	8.0	7.0	7.3	6.9	6.9	6.9	6.9	340	140	140	140	58	0.22	0.29	0.26	0.44	1.2	0.9	1.5	3.3	0.5	1.0			0.8/0.8	4'/2'	5'/3'
8	C	0.804	1.004	0.031	80	290	177	3.4	1.0	2535	2484	2395	2146	5358	500		90	1187	1945	66974	1385	23	209	48	0.034	7.8	7.0	7.3	6.9	6.9	6.9	7.0	300	140	140	140	48	0.80	0.95	0.80	0.50	1.2	1.0	1.4	2.9	0.9	1.5			0.8/0.8	5'/2'	5'/3'
9	C	0.793	0.998	0.031	80	290	339	2.8	1.4	2740	2539	2533	2271	5934	510		90	2242	1918	70443	1534	19	201	45	0.032	8.3	7.1	7.3	7.0	7.0	6.9	7.1	380	140	140	140	70	0.29	0.36	1.02	1.60	1.1	1.3	1.5	2.9	0.7	1.4			0.8/0.8	5'/2'	6'/4'
10	C	0.792	0.991	0.031	80	290	254	1.2	1.8	2589	2466	2580	2320	5788	520		90	1678	1916	67454	1496	8	202	45	0.031	8.1	7.1	7.4	7.0	7.0	6.9	7.0	300	160	160	160	58	0.28	0.36	1.06	1.32	1.1	1.1	1.3	2.8	0.7	1.5			0.8/0.8	4'/2'	5'/3'
11	C	0.794	0.888	0.031	80	300	285	4.0	2.4	2547	2391	2434	2176	5244	510	12	89	1887	1987	65893	1356	26	210	48	0.034	8.3	7.1	7.4	7.0	7.0	6.9	7.2	320	160	160	160	62	0.29	0.31	1.12	1.42	1.2	1.1	1.4	2.8	0.7	1.3	4.0	0.0	0.8/0.8	5'/2'	4'/2'
12	C	0.821	0.781	0.031	80	300													2054							8.2		7.3																			1.3			0.8/0.8		
13	R	0.839	0.753	0.030	80	300													2099							8.1		7.2																			1.2			0.8/0.8		
14	O	0.822	0.851	0.031	80	300	258	2.6	1.0	2642	2437	2433	2186	6406	500		90	1769	2057	67774	1656	18	206	40	0.035	7.9	7.1	7.3	7.0	7.0	6.9	7.1	300	160	140	140	56	0.06	0.32	0.42	0.56	1.3	1.2	1.6	2.8	0.5	1.0			0.8/0.8	4'/2'	4'/2'
15	O	0.862	0.886	0.031	80	300	162	3.4	1.0	2565	2497	2593	2334	6098	510		90	1165	2157	67547	1577	24	197	42	0.035	7.3	7.0	7.2	6.9	6.9	6.9	6.9	240	160	140	140	30	0.00	0.10	0.36	0.46	1.3	1.7	1.3	2.2	0.5	0.9			0.8/0.8	5'/3'	5'/2.5'
16	C	0.820	0.624	0.031	80	300	258	6.6	3.2	2547	2435	2503	2249	5698	490		90	1764	2052	66480	1473	45	196	44	0.034	8.2	7.0	7.4	7.0	7.0	6.9	6.9	300	160	140	140	56	0.37	0.49	3.10	5.00	0.9	1.9	1.7	2.7	1.2	1.5			0.8/0.8	5'/2'	4'/2'
17	O	0.803	0.548	0.031	80	300	165	5.2	0.8	2493	2388	2494	2239	5470	500		90	1105	2009	65132	1414	35	200	45	0.034	7.7	7.1	7.3	7.0	7.0	6.9	6.9	260	160	140	140	42	0.00	0.07	2.48	0.26	1.0	1.4	0.9	2.0	0.7	1.0			0.8/0.8	5'/3'	5'/2'
18	O	0.811	0.859	0.031	80	340	425	3.2	1.6	2504	2360	2401	2145	4892	520	15	89	2875	2300	64905	1265	22	217	50	0.040	8.3	7.1	7.4	7.0	7.0	6.9	6.9	360	160	140	140	78	0.05	0.36	2.84	0.00	1.1	0.4	1.0	2.6	1.0	1.4	7.4	2.1	0.8/0.8	4'/2'	4'/2'
19	O	0.877	1.224	0.031	80	340													2487							8.0		7.3																			1.8			0.8/0.8		
20	O	0.912	1.163	0.031	80	340													2586							7.4		7.2																			1.2			0.8/0.8		
21	C	0.847	1.000	0.031	80	340	349	4.8	2.0	2738	2564	2479	2210	5622	550		89	2465	2402	70750	1454	34	222	48	0.041	8.2	7.4	7.4	6.9	6.9	6.9	6.9	320	140	120	140	70	0.00	0.18	2.62	0.02	1.0	1.5	1.0	1.6	1.4	0.7			0.8/0.8	4'/2.5'	4'/2.5'
22	O	0.826	0.884	0.031	80	340	396	4.8	1.8	2709	2463	2556	2308	5450	590		90	2728	2342	69015	1409	33	231	48	0.038	8.1	7.1	7.4	7.0	7.0	6.9	7.0	340	140	140	140	64	0.55	1.00	2.32	3.54	0.8	0.3	0.8	2.0	1.6	1.4			0.8/0.8	5'/3'	4'/2'
23	O	0.816	0.893	0.031	80	340	244	4.8	1.8	2616	2479	2642	2387	6342	560		90	1661	2314	67988	1640	33	212	41	0.036	8.0	7.1	7.4	7.0	7.0	6.9	7.0	320	160	120	140	56	0.09	0.11	2.26	3.08	1.1	0.5	0.6	2.0	0.9	1.4			0.8/0.8	5'/3	5'/2'
24	F	0.827	0.888	0.031	80	340	190	4.8	1.6	2592	2439	2408	2160	5100	570		90	1310	2345	67134	1319	33	237	50	0.041	8.2	7.1	7.4	7.0	7.0	7.0	7.0	320	160	140	140	56	0.64	0.92	2.08	3.16	0.9	0.3	0.8	2.0	1.2	1.5			0.8/0.8	6'/4'	4'/2'
25	F	0.799	0.852	0.031	80	330	190	4.2	2.4	2562	2456	2526	2269	5742	570	19	90	1266	2266	66960	1485	28	226	44	0.037	8.2	7.2	7.4	7.0	7.0	7.0	7.1	300	160	140	140	56	0.11	0.19	1.96	3.04	1.1	0.4	0.7	2.1	0.8	1.5	6.4	0.0	0.8/0.8	5'/2'	4'/2'
26	C	0.824	0.809	0.031	80	330													2337							8.5		7.4																			1.3			0.8/0.8		
27	O	0.881	0.810	0.031	80	330													2498							7.4		7.3																			1.3			0.8/0.8		
28	O	0.816	0.852	0.031	80	330	807	4.4	1.8	2622	2431	2602	2329	5760	570		90	5492	2314	67427	1489	30	219	44	0.037	7.4	7.1	7.4	6.9	7.0	6.9	7.0	340	140	140	140	60	0.14	0.51	1.28	2.42	0.7	0.1	0.5	1.6	0.9	1.2			0.8/0.8	4'/2'	4'/2'
29	O	0.803	0.806	0.031	80	330	324	3.2	1.0	2607	2464	2514	2246	6494	570		89	2170	2277	67667	1679	21	227	40	0.038	8.2	7.1	7.4	7.0	7.0	6.9	7.0	360	140	140	140	50	0.90	0.40	1.66	2.32	0.9	0.4	0.3	1.9	0.8	1.2			0.8/0.8	5'/3'	5'/2'
30	O	0.795	0.875	0.031	80	330	363	3.2	0.8	2637	2471	2565	2317	5544	550		90	2407	2254	68161	1433	21	214	47	0.036	8.2	7.1	7.4	6.9	7.0	6.9	7.0	340	140	140	140	50	0.08	0.37	1.31	2.18	0.9	0.5	0.8	2.0	0.9	1.4			0.8/0.8	5'/2.5	5'/3'
31	C	0.809	0.870	0.031	80	330	289	2.0	1.0	2467	2429	2441	2191	5150	540		90	1950	2294	65332	1331	13	221	49	0.039	7.8	7.2	7.4	7.0	7.0	6.9	7.0	320	140	140	140	56	0.90	0.80	1.84	2.78	0.9	0.8	1.3	0.8	0.8	1.3			0.8/0.8	5'/3'	
Minimum		0.789	0.548	0.030	80	290	162	1.2	0.6	2467	2360	2395	2145	4892	490	12	89	1105	1908	64905	1265	8	194	40	0.031	7.3	7.0	7.2	6.9	6.9	6.9	6.9	240	100	120	120	30	0.05	0.07	0.02	0.02	0.7	0.1	0.3	0.8	0.3	0.7	2.9	2.1			
Maximum		0.912	1.224	0.031	80	340	807	6.8	3.4	2740	2572	2684	2424	6566	590	20	90	5492	2586	70750	1698	46	237	53	0.041	8.5	7.4	7.4	7.0	7.0	7.0	7.2	400	160	160	160	78	0.90	1.00	3.96	5.00	1.5	1.9	1.7	3.3	1.6	1.8	7.4	2.6			
Average		0.823	0.879	0.031	80	315	313	3.8	1.6	2597	2470	2515	2259	5718	531	17	90	2080	2195	67615	1478	26	211	45	0.036	8.0	7.1	7.3	7.0	7.0	6.9	7.0	323	147	140	141	58	0.34	0.42	1.68	1.95	1.1	0.9	1.1	2.4	0.9	1.3	5.2	2.4			

Month	April	Year	2022	McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	C	0.778	0.826	0.031	80	310	326	2.8	1.2	2623	2407	2497	2244	5582	530	23	90	2115	2011	67120	1443	18	212	46	0.034	8.1	7.0	7.4	7.0	7.0	6.9	7.0	360	160	140	140	62	0.17	0.34	1.83	2.52	1.1	0.9	0.6	2.2	0.7	1.3	5.5			0.8/0.8	5'/2'	4'/2'
2	C	0.822	0.788	0.031	80	310													2125							7.3		7.2																		1.1			0.8/0.8		
3	C	0.877	0.787	0.031	80	310													2267							8.0		7.4																		1.1			0.8/0.8		
4	R	0.854	0.824	0.031	80	310	288	3.0	0.8	2466	2401	2479	2200	5450	550		89	2051	2208	64945	1409	21	222	45	0.038	7.7	7.1	7.5	7.0	7.0	7.0	7.0	260	140	140	140	46	0.42	0.73	1.33	2.55	1.2	0.8	1.0	2.0	1.0	1.3				0.8/0.8	6'/2.5'	6'/3'
5	C	0.824	0.888	0.031	80	310	371	2.0	1.4	2404	2448	2425	2158	6218	540		89	2550	2130	64745	1608	14	223	40	0.037	7.7	7.0	7.1	6.9	6.9	6.9	6.9	280	140	160	140	58	0.36	0.18	1.38	2.42	1.0	0.8	1.6	1.8	1.0	1.5				0.8/0.8	5'/2'	5.5/2'
6	C	0.807	0.893	0.031	80	310	303	1.2	1.0	2468	2416	2432	2167	5240	550		89	2039	2086	65172	1355	8	226	48	0.036	7.6	7.1	7.3	7.0	7.0	7.0	7.0	300	140	140	140	46	0.24	0.60	1.32	2.02	1.1	0.9	1.7	2.0	2.0	1.1				0.8/0.8	6'/3'	5.5'/2.5'
7	C	0.808	0.891	0.031	80	310	315	3.2	1.6	2729	2465	2509	2256	5894	540		90	2123	2089	69309	1524	22	215	45	0.035	8.3	7.1	7.5	7.0	7.0	6.9	7.0	340	140	140	140	68	0.34	0.71	2.14	2.12	1.4	0.5	1.2	0.9	0.3	1.0				0.8/0.8	5'/2'	4'/2'
8	C	0.787	0.751	0.031	80	320	186	5.4	0.8	2557	2352	2494	2256	6036	570	25	90	1221	2100	65506	1561	35	229	41	0.035	7.4	7.1	7.4	7.0	7.0	6.9	7.0	260	140	140	140	28	0.15	0.37	1.49	2.43	1.4	0.7	1.1	2.1	0.6	1.0	4.7			0.8/0.8	6'/3'	5'/3'
9	W	0.811	0.616	0.031	80	320													2164							7.8		7.4																		1.0			0.8/0.8		
10	C	0.846	0.603	0.031	80	320													2258							7.9		7.4																		0.6			0.8/0.8		
11	R	0.860	0.000	0.031	80	320	337	1.6	1.0	2539	2538	2503	2245	6596	570		90	2417	2295	67747	1705	11	228	39	0.038	7.9	7.1	7.5	7.0	7.0	6.9	7.0	300	140	140	140	52	0.05	0.07	1.05	0.74	1.3	0.9	1.4	2.5	0.6	0.7				0.8/0.8	5'/3'	5'/3'
12	R	0.828	0.000	0.031	80	320	270	1.2	X	2452	2387	2525	2264	6084	550		90	1864	2210	64572	1573	8	218	41	0.037	8.0	7.1		7.0	7.0	6.9	7.0	260	140	120	140	52	0.13	0.00	0.16	X	1.5	1.0	1.4	X	0.5				0.8/0.8	6'/3'	5'/2'
13	R	0.849	0.890	0.031	80	320	222	1.6	1.0	2420	2892	2448	2195	5212	520		90	1572	2266	70883	1348	11	212	52	0.039	8.1	7.1	7.4	7.0	7.0	6.9	7.0	300	140	120	140	54	0.03	0.15	2.58	0.19	1.0	0.8	1.5	2.3	0.7	1.0				0.8/0.8	5'/3'	5'/3'
14	R	0.877	1.286	0.031	80	320	268	1.4	1.8	2491	2388	2463	2204	6236	550		89	1960	2341	70883	1612	10	223	40	0.040	8.1	7.0	7.4	6.9	6.9	6.9	7.0	280	120	120	120	56	0.02	0.02	0.06	0.07	2.2	3.1	3.2	2.3	0.3	0.7				0.8/0.8	5'/2'	4'/2'
15	O	0.841	1.277	0.031	80	230	206	1.4	1.6	2484	2417	2570	2298	6020	550	16	89	1445	1613	65399	1556	10	214	42	0.026	7.7	7.0	7.2	6.9	6.9	6.9	7.0	240	120	120	120	52	0.13	0.05	2.76	3.14	1.0	0.9	2.4	2.1	0.5	1.2	2.0	3.0	0.8/0.8	7'/4'	5'/3'
16	O	0.920	1.320	0.031	80	230													1765							8.1		7.4																		1.2			0.8/0.8		
17	O	0.925	1.211	0.031	80	230													1774							7.8		7.4																		1.3			0.8/0.8		
18	O	0.916	1.224	0.031	80	230	192	3.6	2.8	2604	2479	2436	2182	5356	530		90	1467	1757	67828	1385	28	218	48	0.030	7.6	7.1	7.5	6.9	6.9	6.9	7.0	220	120	120	120	28	0.06	0.37	1.82	3.04	1.1	0.5	1.0	1.6	0.7	1.5				0.8/0.8	5'/3'	5'/2'
19	R	0.908	1.272	0.031	80	230	266	3.0	1.4	2633	2558	2417	2156	6102	550		89	2014	1742	69269	1578	23	228	43	0.030	8.2	7.1	7.4	6.9	6.9	6.9	6.9	280	140	140	120	58	0.12	0.09	1.33	1.54	1.5	1.9	1.6	1.6	0.9	1.1				0.8/0.8	6'/3'	5'/3'
20	R	0.896	1.293	0.031	80	230	398	3.4	1.8	2581	2431	2450	2194	5652	530		90	2974	1719	66880	1461	25	216	45	0.029	8.5	7.1	7.4	7.0	7.0	7.0	7.0	380	140	140	140	76	0.05	0.33	1.07	1.53	1.1	1.4	1.5	1.4	0.7	1.0				0.8/0.8	6'/2.5'	6'/2.5'
21	O	0.904	1.297	0.031	80	230	279	1.4	1.0	2489	2458	2233	2233	5790	540		90	2103	1734	66013	1497	11	242	44	0.029	8.2	7.0	7.3	7.0	6.9	6.9	7.1	260	140	140	140	56	0.25	0.09	1.35	1.53	1.1	2.1	2.3	1.5	0.6	0.9				0.8/0.8	5'/3'	5'/2'
22	C	0.887	1.276	0.031	80	290	226	2.2	1.8	2532	2551	2463	2194	5358	540	22	89	1672	2145	67828	1385	16	219	48	0.037	8.0	7.0	7.4	6.9	6.9	6.9	7.0	280	140	140	140	58	0.18	0.09	1.30	1.47	1.2	1.6	2.0	0.8	0.6	0.8		2.4	0.8/0.8	5'/3'	5'/2'
23	O	0.883	1.172	0.031	80	290													2136							7.5		7.3																		1.1			0.8/0.8		
24	O	0.941	1.167	0.031	80	290													2276							7.9		7.4																		1.2			0.8/0.8		
25	O	0.868	1.141	0.031	80	290	282	3.6	1.8	2681	2615	2461	2196	5452	500		89	2041	2099	70670	1410	26	203	49	0.036	7.7	7.1	7.5	7.0	7.0	6.9	7.0	260	140	140	140	52	0.44	0.88	1.56	1.51	1.1	0.3	0.8	0.8	0.6	0.8				0.8/0.8	4'/2'	4'/2'
26	C	0.838	1.145	0.031	80	290	241	2.2	1.6	2465	2434	2416	2156	5012	470		89	1684	2027	65372	1296	15	195	50	0.035	8.3	7.0	7.5	7.0	7.0	6.9	7.0	320	140	140	140	58	0.50	0.60	1.19	1.44	1.0	0.5	1.2	0.6	0.7	1.0				0.8/0.8	4'/2'	4'/2'
27	C	0.877	1.073	0.031	80	290	214	2.2	1.8	2597	2440	2584	2298	6012	520		89	1565	2121	67214	1554	16	201	43	0.035	7.8	7.0	7.5	7.0	7.0	6.9	7.0	240	140	140	140	44	1.96	2.42	0.36	1.11	0.7	0.3	0.9	0.7	0.6	1.1				0.8/0.8	5'/3'	4'/2'
28	O	0.846	0.971	0.031	80	290	285	3.0	1.6	2477	2396	2597	2312	4856	470		89	2011	2046	65025	1255	21	181	51	0.033	8.3	7.0	7.4	7.0	7.0	6.9	7.0	300	140	140	140	54	0.44	0.34	2.09	1.83	1.4	0.4	1.3	0.9	0.6	1.0				0.8/0.8	5'/3'	5'/3'
29	C	0.842	0.727	0.031	80	300	409	2.8	1.4	2559	2475	2451	2199	5164	480	20	90	2872	2107	67174	1335	20	196	50	0.036	8.3	7.1	7.5	7.0	7.0	6.9	0.0	320	140	140	140	82	0.70	0.00	1.56	2.23	0.7	0.4	1.2	0.9	0.6	0.8	4.4	3.4	0.8/0.8	5'/3'	
30	R	0.870	0.725	0.031	80	300													2177							8.3		7.5																		0.9			0.8/0.8		
Minimum		0.778	0.000	0.031	80	230	186	1.2	0.8	2404	2352	2233	2156	4856	470	16	89	1989	2060	63747	1469	18	215	45	0.034	8.5	7.1	7.5	7.0	7.0	7.0	7.1	380	160	160	140	82	1.96	2.42	2.76	3.14	2.2	3.1	3.2	2.5	2.0	1.5	5.5	3.4			
Maximum		0.941	1.320	0.031	80	320	409	5.4	2.8	2729	2892	2597	2312	6596	570	25	100	2974	2341	70883	1705	35	242	52	0.040	8.5	7.1	7.5	7.0	7.0	7.0	7.1	380	160	160	140	82	1.96	2.42	2.76	3.14	2.2	3.1	3.2	2.5	2.0	1.5	5.5	3.4			
Average		0.860	0.944	0.031	80	290	280	2.5	1.5	2536	2474	2469	2219	5682	531	21	90	1989	2060	66846	1469	18	215	45	0.035	7.9	7.1	7.4	7.0	7.0	6.9	6.7	288	138	136	136	54	0.32	0.42	1.42	1.77	1.2	1.0	1.5	1.6	0.7	1.0	4.2	2.9			

Month	May	Year	2022	McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	C	0.927	0.790	0.031	80	300													2319								8.2		7.5																			0.8			0.8/0.8	0	0
2	R	0.869	0.860	0.031	80	300	329	2.4	0.8	2508	2450	2489	2239	5036	420		90	2384	2174	66160	1302	17	169	50	0.036	8.2	7.1	7.5	6.9	6.9	6.9	7.0	280	140	140	140	60	0.67	0.62	0.94	1.71	0.8	0.3	0.7	0.7	0.6	0.8			0.8/0.8	4'/2'	5'/3'
3	C	0.846	0.929	0.031	80	300	296	2.4	1.2	2347	2418	2334	2087	4756	430		89	2088	2117	63584	1230	17	184	51	0.038	8.2	7.1	7.4	7.0	7.0	7.0	7.0	320	140	140	140	58	0.81	0.31	1.37	2.00	0.8	0.6	0.7	0.5	0.5	0.6			0.8/0.8	5'/3'	5'/3'
4	O	0.859	0.989	0.031	80	300	447	2.4	1.8	2536	2501	2439	2186	4862	430		90	3202	2149	67214	1257	17	176	53	0.037	8.5	7.1	7.5	6.9	6.9	6.9	7.0	400	140	140	140	80	0.47	0.35	1.45	2.13	0.9	0.4	0.8	0.6	0.6	0.7			0.8/0.8	4'/2'	4'/2'
5	R	0.833	1.034	0.031	80	300	449	2.0	2.2	2485	2402	2438	2188	5052	440		90	3119	2084	65212	1306	14	180	49	0.036	8.4	7.1	7.5	6.9	6.9	6.9	7.0	380	140	140	140	56	0.28	0.23	1.06	1.71	1.5	0.6	0.8	0.7	0.7	0.8			0.8/0.8	4'/2'	4'/2'
6	O	0.837	1.076	0.031	80	350	239	1.0	1.0	2500	2449	2443	2195	5196	430	16	90	1668	2443	66039	1343	7	176	49	0.042	7.5	7.1	7.5	6.9	6.9	6.9	7.0	220	140	140	140	32	0.22	0.31	1.55	2.17	1.4	0.6	1.3	0.6	0.6	0.7	0.0	2.3	0.8/0.8	4'/2'	4'/2'
7	R	0.847	0.816	0.031	80	350													2472								8.0		7.4																			0.7			0.8/0.8	0	0
8	R	0.930	0.811	0.031	80	350													2715								8.1		7.3																			0.8			0.8/0.8	0	0
9	R	0.941	0.865	0.026	80	350	285	2.4	0.8	2440	2477	2368	2126	5120	420		90	2237	2747	65612	1110	19	177	58	0.048	7.8	7.1	7.4	6.9	6.9	6.9	7.0	280	140	140	140	56	0.31	0.62	1.17	2.20	1.3	0.5	0.6	0.8	1.0	1.0			0.8/0.8	4'/2'	4'/2'
10	C	0.875	0.917	0.031	80	350	302	2.4	1.2	2552	2649	2404	2164	5172	430		90	2204	2554	69402	1337	18	179	51	0.044	8.3	7.1	7.5	6.9	6.9	6.9	7.0	320	140	120	120	64	0.54	0.30	1.22	2.10	1.0	1.0	1.0	0.7	0.9	0.9			0.8/0.8	5'/3'	5'/2'
11	O	0.856	0.975	0.031	80	350	138	2.4	0.6	2523	2527	2477	2224	5062	410		90	985	2499	67387	1309	17	166	51	0.042	7.7	7.1	7.5	7.0	6.9	6.9	7.0	220	140	120	120	40	0.47	0.34	1.26	1.86	0.8	0.6	0.7	0.7	1.0	1.0			0.8/0.8	5'/3'	4'/2'
12	O	0.842	1.019	0.031	80	350	245	2.8	1.8	2398	2385	2346	2111	4450	400		90	1720	2458	63824	1151	20	171	55	0.044	8.0	7.1	7.5	7.0	7.0	6.9	7.0	300	140	120	120	54	0.32	0.30	1.39	2.08	1.2	0.6	0.7	0.6	0.9	1.0			0.8/0.8	4'/2'	5'/3'
13	O	0.860	0.602	0.031	80	260	363	3.6	2.4	2558	2493	2436	2177	4970	430	10	89	2604	1865	67401	1285	26	177	51	0.032	8.2	7.1	7.4	7.0	7.0	6.9	7.0	320	140	120	120	64	0.41	0.29	1.28	2.14	1.0	0.7	0.8	0.8	1.0	1.2	2.9	3.3	0.8/0.8	5'/3'	5'/3'
14	X	0.896	0.000	0.031	80	260													1943																																0.8/0.8	0	0
15	X	0.939	0.000	0.031	80	260													2036																																0.8/0.8	0	0
16	O	0.870	0.000	0.031	80	260	251	3.8		2494	2517	2414	2161	4980	400		90	1821	1887	66867	1288	28	166	51	0.033	8.1	7.0	X	6.9	6.9	6.9	7.0	200	120	120	120	52	0.44	0.11	0.62	X	1.0	0.5	0.5	X	1.1			0.8/0.8	4'/2'	5'/2'
17	C	0.852	0.438	0.031	80	260	283	2.2	2.0	2449	2419	2399	2120	4764	390		88	2011	1847	64959	1232	16	163	52	0.033	8.2	7.1	7.4	6.9	6.9	6.9	7.0	340	140	120	120	56	0.48	0.35	0.01	0.34	1.1	0.6	0.8	0.7	0.9	1.2			0.8/0.8	5'/1'	5'/1'
18	C	0.842	0.831	0.031	80	260	246	2.4	1.0	2496	2271	2422	2158	4946	380		89	1727	1826	63611	1279	17	157	49	0.032	7.7	7.1	7.1	6.9	6.9	6.9	7.0	240	140	120	120	52	0.24	0.81	0.17	0.06	1.4	0.4	0.6	0.8	1.0	1.0			0.8/0.8	5'/1'	6'/1.5'
19	C	0.830	0.821	0.031	80	260	263	3.6	1.4	2465	2384	2539	2270	5052	400		89	1821	1800	64705	1306	25	158	49	0.030	8.1	7.0	7.2	7.0	6.9	6.9	7.0	320	140	120	120	54	0.00	0.54	2.12	2.44	1.1	0.5	0.8	1.0	1.0	1.6			0.8/0.8	5'/1'	5'/1.5'
20	C	0.831	0.532	0.031	80	370	121	2.6	1.6	2606	2505	2472	2217	5092	390	26	90	839	2564	68201	1316	18	158	51	0.043	7.6	7.1	7.3	7.0	7.0	6.9	7.1	200	140	120	120	34	0.40	0.39	1.55	2.96	0.9	0.8	1.0	0.8	1.6	1.8	3.4	4.4	0.8/0.8	5'/1.5	4'/1'
21	X	0.846	0.000	0.031	80	370													2611																																0.8/0.8	0	0
22	X	0.910	0.000	0.031	80	370													2808																																0.8/0.8	0	0
23	C	0.860	0.512	0.031	80	370	204	5.4	2.2	2471	2424	2390	2121	5006	420		89	1463	2654	65319	1294	39	176	49	0.047	8.1	7.1	7.5	7.1	7.1	7.0	7.1	340	140	140	140	64	0.16	0.27	0.02	0.72	0.8	0.9	2.4	1.5	2.4	1.5			0.8/0.8	3.5'/1.5'	3.5'/1.5'
24	F	0.826	0.912	0.031	80	370	447	4.2	1.6	2562	2375	2436	2233	4980	380		92	3079	2549	65879	1288	29	156	50	0.043	8.4	7.1	7.4	7.0	7.0	6.9	7.0	360	140	140	140	76	0.25	0.51	1.21	1.74	1.2	0.4	0.8	0.8	1.7	1.4			0.8/0.8	4'/1.5'	3'/1'
25	C	0.825	0.979	0.031	80	370		3.8	1.6	2658	2462	2253	1999	5256	380		89	3647	2546	68321	1359	26	169	49	0.048	8.0	7.1	7.4	6.9	7.0	6.9	7.0	320	140	140	140	66	0.67	0.72	1.12	1.43	1.0	0.3	0.7	0.6	1.2	1.4			0.8/0.8	4'/1'	4'/1'
26	O	0.806	0.994	0.031	80	370	297	3.6	2.2	2449	2369	2501	2240	4528	380		90	1996	2487	64291	1171	24	152	54	0.042	7.9	7.2	7.4	6.9	6.9	7.0	7.0	280	140	140	140	50	0.17	0.35	1.50	1.76	0.7	0.4	0.9	0.9	1.6	2.0			0.8/0.8	4'/1'	4'/1'
27	C	0.805	0.919	0.031	80	330	314	3.0	1.4	2624	2549	2477	2198	4948	380	15	89	2108	2216	69029	1279	20	153	53	0.038	7.5	7.1	7.2	7.0	7.0	7.0	7.0	300	160	160	140	48	0.45	0.96	1.53	0.98	0.9	0.6	0.7	1.0	1.9	2.2	3.1	2.8	0.8/0.8	4'/1.5'	4'/1.5'
28	O	0.799	0.843	0.031	80	330													2199								7.5		7.2																			2.3			0.8/0.8	0	0
29	O	0.808	0.839	0.031	80	330													2224								8.3		7.4																			2.3			0.8/0.8	0	0
30	C	0.871	0.841	0.031	80	330													2397								7.7		7.3																			2.1			0.8/0.8	0	0
31	C	0.841	0.917	0.031	80	330	442	2.0	1.0	2496	2401	2480	2222	4794	350		90	3100	2315	65346	1239	14	141	52	0.039	8.1	7.1	7.3	7.0	7.0	6.9	7.0	300	140	140	140	64	0.50	0.45	0.22	2.20	1.0	0.5	0.8	0.8	1.8	2.2			0.8/0.8	4'/1'	3'/1'
Minimum		0.799	0.000	0.026	80	260	121	1.0	0.6	2347	2271	2253	1999	4450	350	10	88	839	1800	63584	1110	7	141	49	0.030	7.5	7.0	7.1	6.9	6.9	6.9	7.0	200	120	120	120	32	0.16	0.11	0.01	0.06	0.7	0.3	0.5	0.5	0.5	0.6	2.9	2.3			
Maximum		0.941	1.076	0.031	80	370	449	5.4	2.4	2658	2649	2539	2270	5256	440	26	92	3647	2808	69402	1359	39	184	58	0.048	8.5	7.2	7.5	7.1	7.1	7.0	7.1	400	160	160	140	80	0.81	0.96	2.12	2.96	1.5	1.0	2.4	1.5	2.4	2.3	3.4	4.4			
Average		0.857	0.712	0.031	80	328	298	2.9	1.5	2506	2449	2427	2173	4953	404	17	90	2182	2307	66113	1271	20	167	51	0.039	8.0	7.1	7.4	7.0	7.0	6.9	7.0	297	140	140	131	56	0.41	0.43	1.08	1.74	1.0	0.6	0.9	0.8	1.1	1.3	3.1	3.2			

Month	June	Year	2022	McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	O	0.829	0.902	0.031	80	330	532	3.6	1.6	2622	2439	2465	2200	4944	350		89	3678	2282	67534	1278	25	142	52	0.039	7.9	7.1	7.3	7.0	7.0	7.0	7.0	380	140	140	140	66	0.1	0.4	0.1	1.4	1.2	0.5	0.7	0.7	1.5	1.9			0.8/0.8	4'/1'	4'/1'
2	O	0.801	0.907	0.031	80	330	326	3.8	1.6	2615	2458	2374	2096	4978	350		88	2178	2205	67694	1287	25	147	52	0.039	8.1	7.1	7.4	7.0	7.0	6.9	7.0	320	140	140	140	62	1.2	0.6	0.1	2.1	1.2	0.6	0.8	0.9	1.3	2.0			0.8/0.8	3'/1'	4'/1'
3	O	0.795	0.967	0.031	80	340	328	3.6	1.0	2527	2428	2469	2195	5028	340	18	89	2175	2254	66120	1300	24	138	50	0.038	8.1	7.1	7.3	7.0	7.0	6.9	7.0	380	140	140	140	74	0.4	0.6	0.8	1.3	1.1	0.6	0.7	0.7	1.4	1.7	3.6	3.6	0.8/0.8	3'/1'	4'/1'
4	R	0.867	0.921	0.031	80	340													2458							8.2		7.3																			1.6			0.8/0.8		
5	R	0.968	0.830	0.031	80	340													2745							7.6		7.2																			1.4			0.8/0.8		
6	O	0.868	0.918	0.031	80	340	373	2.2	0.2	2544	2526	2431	2246	5482	350		92	2700	2461	67654	1417	16	144	47	0.041	7.9	7.0	7.2	6.9	6.9	6.9	6.9	340	120	120	120	56	0.4	0.7	0.8	1.2	0.9	0.6	1.0	1.4	1.6	1.6			0.8/0.8	4'/2'	4'/1.5'
7	O	0.846	0.916	0.031	80	340	340	3.6	2.0	2521	2464	2478	2232	4864	370		90	2399	2399	66520	1258	25	149	52	0.040	7.6	7.1	7.2	7.0	7.0	7.0	7.0	320	140	140	120	48	0.3	0.4	1.0	1.1	0.9	0.9	1.0	1.0	1.2	1.3			0.8/0.8	3'/1'	3'/1'
8	C	0.843	0.903	0.031	80	340	263	1.6	0.2	2517	2419	2519	2215	5110	350		88	1849	2390	65866	1321	11	139	49	0.040	7.8	7.0	6.9	6.9	6.9	6.9	6.9	340	140	140	140	62	0.0	0.0	0.8	1.1	1.4	1.6	1.2	1.1	1.3	1.2			0.8/0.8	3'/1'	3'/1'
9	C	0.822	0.917	0.031	80	340	316	3.0	1.2	2498	2469	2508	2212	4854	350		88	2166	2331	66280	1255	21	140	52	0.039	7.7	7.0	7.0	7.0	7.0	7.0	7.0	350	120	140	120	52	0.0	0.0	0.9	1.4	1.6	1.4	1.1	1.4	1.0	1.1			0.8/0.8	3.5'/1'	3'/1.5'
10	C	0.809	0.910	0.031	80	370	241	4.2	4.2	2703	2539	2581	2274	6042	350	15	88	1626	2496	69949	1562	28	136	44	0.041	7.7	7.0	7.3	7.0	6.9	6.9	6.9	280	140	140	140	36	0.1	0.3	1.1	0.8	1.4	0.7	0.8	0.7	1.6	1.4	2.6	5.9	0.8/0.8	3'/1'	3'/1'
11	O	0.840	0.840	0.031	80	370													2592							7.6		7.1																			1.6			0.8/0.8		
12	R	0.913	0.843	0.031	80	370													2817							7.5		7.2																			1.4			0.8/0.8		
13	C	0.855	0.921	0.031	80	370	314	2.6	1.0	2522	2494	2510	2243	4842	340		89	2239	2638	66934	1252	19	135	53	0.044	7.8	7.0	7.0	7.0	7.0	7.0	7.0	340	140	140	140	58	0.0	0.0	1.2	1.4	1.1	0.9	1.0	1.0	1.7	1.5			0.8/0.8	2.5'/1'	2'/1'
14	C	0.837	0.908	0.031	80	370	293	2.8	0.8	2464	2561	2361	2071	5992	320		88	2045	2583	67054	1549	20	136	43	0.047	7.7	7.2	7.1	7.0	7.0	7.0	7.0	320	140	140	140	58	0.2	0.1	1.3	2.1	1.4	1.5	1.0	0.9	1.4	1.5			0.8/0.8	3'/1'	3'/1'
15	C	0.828	0.909	0.031	80	370	215	2.0	0.6	2590	2517	2512	2230	5310	340		89	1485	2555	68148	1373	14	135	49	0.043	7.6	7.2	7.2	7.0	7.0	7.0	7.0	280	140	140	140	52	0.0	0.1	1.2	1.7	1.2	1.1	0.8	0.9	1.6	1.5			0.8/0.8	3'/2'	3'/1.5'
16	O	0.825	0.902	0.031	80	370	365	7.0	2.6	2675	2593	2555	2258	5582	330		88	2511	2546	70296	1443	48	129	47	0.042	7.9	7.1	7.4	7.0	7.0	6.9	7.1	300	140	140	140	58	0.2	0.2	1.3	2.0	1.1	0.8	1.1	0.8	1.8	1.6			0.8/0.8	3'/1.5'	3'/1.5'
17	O	0.831	0.893	0.031	80	340	227	3.0	3.8	2680	2480	2400	2103	6052	320	16	88	1573	2356	68855	1565	21	133	43	0.042	8.2	7.1	7.4	6.9	6.9	6.9	6.9	280	140	140	120	44	0.2	0.3	1.7	0.9	1.2	0.8	0.6	0.8	1.7	1.6	3.2	4.7	0.8/0.8	3'/1.5'	3'/1'
18	C	0.819	0.837	0.031	80	340													2322							7.6		7.2																			1.6			0.8/0.8		
19	C	0.844	0.830	0.031	80	340													2393							7.6		7.3																			1.5			0.8/0.8		
20	C	0.836	0.852	0.031	80	340	309	6.4	2.4	2654	2328	2376	2082	6600	320		88	2154	2371	66480	1706	45	135	38	0.043	8.0	7.2	7.3	7.1	7.1	7.0	7.2	360	140	120	120	70	0.1	0.1	2.0	2.1	0.6	0.6	0.9	0.9	1.9	1.5			0.8/0.8	3.5'/1.5'	3.5'/1'
21	C	0.825	0.840	0.029	80	340	253	7.0	2.0	2601	2376	2527	2234	5216	330		88	1741	2339	66413	1262	48	131	51	0.039	7.8	7.0	7.3	7.0	7.0	7.0	6.9	340	140	140	140	50	0.6	0.9	1.9	2.2	0.6	0.4	0.9	1.7	2.5	1.5			0.8/0.8	3'/1.5'	2.5'/1'
22	C	0.831	0.844	0.031	80	340	315	4.6	1.4	2543	2274	2497	2186	5358	330		88	2183	2356	64278	1385	32	132	45	0.040	7.8	7.3	7.3	7.1	7.1	7.0	7.2	340	160	160	140	56	0.2	0.4	1.9	2.2	0.8	0.7	1.1	1.6	1.6	1.5			0.8/0.8	2.5'/1.5'	2'/1'
23	C	0.804	0.905	0.010	80	340	313	7.8	4.0	2490	2493	2530	2203	5372	330		87	2099	2280	66493	448	52	130	133	0.039	7.4	7.2	7.2	7.1	7.1	7.1	7.1	240	160	140	140	40	1.0	0.6	1.7	2.3	0.5	0.8	1.4	1.7	2.3	1.6			0.8/0.8	3'/1'	2'/0.5'
24	C	0.786	0.863	0.031	80	340	311	3.0	2.0	2623	2219	2477	2156	5068	340	26	87	2039	2229	64612	1310	20	137	49	0.039	7.3	7.1	7.2	7.1	7.1	7.0	7.0	260	120	140	140	34	0.1	0.1	1.8	1.9	0.9	0.9	1.2	1.4	1.2	1.3	2.6	4.8	0.8/0.8	2.5'/1'	2'/1'
25	C	0.752	0.791	0.031	80	340													2132							8.0		7.3																			1.2			0.8/0.8		
26	F	0.840	0.786	0.031	80	340													2382							7.7		7.3																			1.3			0.8/0.8		
27	C	0.832	0.865	0.031	80	340	390	3.2	2.0	2467	2380	2532	2202	5228	350		87	2706	2359	64678	1352	22	138	47	0.040	7.6	7.2	7.3	7.1	7.1	7.0	7.1	340	140	160	140	44	0.0	0.2	1.9	2.4	0.9	1.0	1.2	1.7	1.2	1.2			0.8/0.8	3'/2'	2'/0.5'
28	C	0.814	0.876	0.029	80	340	447	3.6	1.2	2574	2336	2544	2220	5866	360		87	3035	2308	65519	1419	24	142	45	0.039	8.1	7.1	7.4	7.1	7.1	7.1	7.2	340	140	140	140	72	0.0	0.1	2.1	2.5	1.0	1.2	0.9	1.4	1.2	1.2			0.8/0.8	2.5'/2'	1.5'/0.5'
29	O	0.929	0.795	0.030	80	340	315	3.6	1.8	2482	2288	2505	2319	5284	350		93	2441	2634	63651	1322	28	140	47	0.043	7.7	7.2	7.4	7.0	7.0	7.0	7.2	300	140	140	140	46	0.0	0.0	1.6	2.3	0.7	0.4	0.9	0.8	1.7	1.1			0.8/0.8	3'/1'	3'/1'
30	O	0.805	0.883	0.030	80	340	316	1.0	0.6	2425	2512	2475	2262	5008	340		91	2122	2283	65879	1253	7	137	52	0.038	7.7	7.2	7.4	7.0	7.0	7.0	7.0	340	140	140	140	64	0.0	0.1	2.4	2.6	1.2	1.0	1.1	1.8	1.2	1.4			0.8/0.8	2'/1'	2.5'/0.5'
Minimum		0.752	0.786	0.010	80	330	215	1.0	0.2	2425	2219	2361	2071	4842	320	15	87	1485	2132	63651	448	7	129	38	0.038	8.2	7.3	7.4	7.1	7.1	7.1	7.2	380	160	160	140	74	1.20	0.89	2.07	0.78	1.6	1.6	1.4	1.7	2.5	2.0	3.6	5.9			
Maximum		0.968	0.967	0.031	80	370	532	7.8	4.2	2703	2593	2581	2319	6600	370	26	93	3678	2817	70296	1706	52	149	133	0.047	8.2	7.3	7.4	7.1	7.1	7.1	7.2	380	160	160	140	74	1.20	0.89	2.42	2.64	1.6	1.6	1.4	1.8	2.5	2.0	3.6	5.9			
Average		0.836	0.876	0.030	80	355	323	3.8	1.7	2561	2436	2483	2202	5367	341	19	89	2234	2417	66678	1333	26	138	52	0.041	7.8	7.1	7.2	7.0	7.0	7.0	7.0	322	139	140	135	55	0.29	0.31	1.35	1.80	1.0	0.9	1.0	1.2	1.5	1.5	3.0	4.8			

Month	July	Year	2022	McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	O	0.142	0.093	0.002	80	420	279	5.0	3.8	2614	2469	2452	2149	5216	370	24	88	330	497	67828	87	6	151	729	0.009	7.6	7.0	7.1	6.8	6.8	6.9	6.8	340	160	160	140	48	0.03	0.99	1.80	1.17	1.6	1.1	1.5	1.4	2.0	1.7	3.7	4.0	0.8/0.8	3'/1'	2'/.5'
2	O	0.779	0.827	0.031	80	420													2729							7.9		7.2																			1.5			0.8/0.8		
3	O	0.759	0.813	0.031	80	420													2659							8.0		7.2																			1.4			0.8/0.8		
4	O	0.799	0.812	0.031	80	420													2799							7.8		7.3																			1.4			0.8/0.8		
5	R	0.812	0.820	0.031	80	420	371	2.0	1.2	2576	2383	2503	2188	5706	370		87	2512	2844	66173	1475	14	148	44	0.049	7.6	7.2	7.2	7.1	7.1	7.0	7.2	340	140	140	120	60	0.00	0.04	2.35	2.53	0.9	0.8	1.2	1.2	1.4	1.5			0.8/0.8	4'/2'	3'/1'
6	O	0.826	0.957	0.031	80	420	262	4.2	2.2	2468	2380	2558	2248	5946	360		88	1805	2893	64692	1537	29	141	41	0.048	7.6	7.2	7.0	7.0	7.0	6.9	7.2	300	160	140	160	46	0.00	0.05	1.54	2.58	1.4	0.6	0.8	1.1	1.3	1.4			0.8/0.8	3'/1'	3'/1'
7	F	0.804	0.907	0.031	80	420	234	3.0	0.8	2526	2286	2443	2098	6188	360		86	1569	2816	64211	1600	20	147	40	0.050	7.7	7.1	7.0	7.1	7.1	6.9	7.2	260	160	140	160	60	0.02	0.03	1.93	2.58	1.2	0.6	0.7	0.8	1.1	1.1			0.8/0.8	3'/1'	3'/1'
8	O	0.795	0.938	0.031	80	340	191	5.6	0.8	2575	2349	2539	2260	6270	370	13	89	1266	2254	65706	1621	37	146	40	0.037	7.2	7.0	7.2	7.0	7.0	6.9	6.9	260	160	160	160	36	0.02	0.12	2.09	2.47	0.6	0.9	0.8	1.5	1.8	1.2	2.2	4.6	0.8/0.8	3'/1'	2.5'/1'
9	O	0.769	0.818	0.031	80	340													2181							7.7		7.3																			1.0			0.8/0.8		
10	O	0.784	0.818	0.031	80	340													2223							7.7		7.3																			1.0			0.8/0.8		
11	C	0.818	0.898	0.031	80	340	348	3.2	0.2	2637	2675	2628	2280	5836	370		87	2374	2320	70883	1509	22	141	46	0.038	7.6	7.0	7.3	6.9	6.9	6.9	6.9	340	160	140	160	54	0.11	0.11	1.40	2.40	1.5	1.5	1.0	0.9	1.2	1.1			0.8/0.8	1'/0.5'	1.5'/0.5'
12	O	0.797	0.927	0.031	80	340	231	3.0	1.0	2688	2497	2644	2280	5868	370		86	1535	2260	69189	1517	20	140	45	0.037	7.2	7.1	7.1	6.9	6.8	6.9	7.0	240	160	140	160	32	0.03	0.14	1.75	2.07	1.4	0.5	0.8	0.6	1.1	1.0			0.8/0.8	3'/1'	4'/1.5'
13	C	0.790	0.908	0.031	80	340	217	3.0	1.0	2678	2456	2333	2020	5022	360		87	1430	2240	68508	1298	20	154	52	0.042	7.8	7.1	7.2	7.0	7.0	7.0	7.1	280	160	140	160	54	0.02	0.20	1.77	2.00	1.6	0.5	0.8	0.6	1.6	0.9			0.8/0.8	2'/1'	3'/1'
14	O	0.797	0.918	0.031	80	340	322	3.4	1.0	2523	2439	2576	2247	5360	370		87	2140	2260	66213	1386	23	144	47	0.038	7.7	7.2	7.1	7.0	7.0	6.9	7.1	380	180	160	160	60	0.00	0.22	1.58	2.20	1.2	0.4	0.8	0.9	1.0	1.2			0.8/0.8	4'/2'	4'/1.5'
15	C	0.806	0.006	0.031	80	340	249	3.6	0.6	2683	2499	2462	2151	5258	360	16	87	1674	2285	69149	1359	24	146	50	0.040	7.8	7.2	7.2	7.0	7.0	6.9	7.1	360	180	160	160	54	0.16	0.12	1.51	2.20	1.3	0.6	0.7	0.8	1.2	1.2	0.0	4.0	0.8/0.8	3'/1.5'	3'/1'
16	X	0.794	0.000	0.031	80	340													2251							X																			X			0.8/0.8		
17	X	0.779	0.000	0.031	80	340													2209							X																			X			0.8/0.8		
18	C	0.796	0.283	0.031	80	340	210	6.2	3.0	2579	2560	2454	2126	6006	360		87	1394	2257	68575	1553	41	147	43	0.040	7.8	7.0	7.4	7.0	7.0	7.0	7.0	360	160	160	160	64	0.03	0.05	1.71	0.83	1.6	0.8	1.5	0.9	1.9	1.4			0.8/0.8	2'/1.5'	2'/1'
19	O	0.777	0.879	0.031	80	340	258	4.2	1.2	2648	2391	2612	2245	5232	370		86	1672	2203	67240	1353	27	142	49	0.037	7.9	7.1	7.3	6.9	6.9	7.0	6.9	320	160	160	160	54	0.02	0.18	2.41	3.44	1.8	1.2	1.0	0.1	1.4	1.5			0.8/0.8	2'/1.5'	1'/.5'
20	O	0.777	0.891	0.031	80	340	360	3.6	2.0	2522	2652	2474	2168	5656	370		88	2333	2203	69042	1462	23	150	46	0.038	7.8	7.1	7.4	6.9	7.0	7.0	6.9	360	160	160	160	62	0.00	0.00	2.55	3.30	2.0	1.4	0.8	0.8	1.4	1.6			0.8/0.8	2'/1.5'	2'/1'
21	O	0.789	0.898	0.031	80	340	283	4.6	1.0	2648	2660	2490	2184	6102	380		88	1862	2237	70830	1578	30	153	44	0.038	7.7	7.1	7.3	7.0	7.0	6.9	7.0	300	160	160	160	52	0.00	0.01	0.08	1.54	2.1	1.4	1.2	0.9	1.1	0.9			0.8/0.8	2'/1'	2'/1'
22	C	0.795	0.900	0.031	80	380	280	1.8	2.0	2602	2548	2437	2118	5954	380	18	87	1856	2254	68722	1539	12	156	44	0.040	7.7	7.1	7.4	7.0	7.0	7.0	7.0	300	160	160	160	44	0.01	0.01	1.22	0.78	1.4	1.8	1.4	1.0	1.1	1.0	2.6	3.7	0.8/0.8	1.5'/0.5'	2'/1'
23	O	0.771	0.788	0.031	80	380													2186							7.5		7.1																			0.9			0.8/0.8		
24	O	0.791	0.609	0.031	80	380													2243							8.1		7.4																			0.9			0.8/0.8		
25	O	0.820	0.000	0.031	80	380	245	1.6	X	2578	2695	2527	2197	5834	380		87	1676	2325	70363	1508	11	150	46	0.040	7.9	7.1	X	7.0	7.0	7.0	7.0	320	160	160	160	52	0.03	0.03	0.01	X	1.9	1.2	0.9	X	0.5	X			0.8/0.8	2.5'/2'	2.5'/1.5'
26	O	1.119	0.000	0.031	80	380	329	1.6	X	2624	2508	2472	2146	5866	370		87	3070	3173	68481	1517	15	150	45	0.055	7.8	7.2	X	7.0	7.0	7.0	7.0	340	160	160	160	56	0.00	0.00	0.00	X	2.0	1.2	0.9	X	0.3	X			0.8/0.8	2.5'/2'	3'/2'
27	O	0.789	0.000	0.031	80	380	239	1.8	X	2663	2576	2520	2201	6596	370		87	1573	2237	69909	1705	12	147	41	0.038	7.8	7.2	X	7.1	7.1	7.0	7.1	360	160	160	160	60	0.00	0.00	0.00	X	1.6	2.0	1.4	X	0.3	X			0.8/0.8	2.5'/1.5'	3'/1.5'
28	O	0.780	0.555	0.031	80	380	203	1.8	1.4	2596	2620	2582	2252	5938	390		87	1321	2212	69602	1535	12	151	45	0.037	7.5	7.2	7.2	7.0	7.0	7.0	7.0	280	140	160	160	42	0.04	0.04	0.03	1.43	2.0	1.3	0.9	1.6	0.4	1.8			0.8/0.8	3'/2'	2.5'/1.5
29	O	0.775	0.889	0.031	80	300	202	1.4	5.0	2651	2667	2530	2202	5520	380	9	87	1306	1939	70963	1427	9	150	49	0.033	7.8	7.2	7.3	7.0	7.0	7.0	7.0	300	160	160	160	40	0.01	0.03	1.92	1.30	1.6	0.7	1.0	0.7	0.9	1.0	0.0	3.9	0.8/0.8	2.5'/1.5'	3'/1.5'
30	O	0.773	0.798	0.031	80	300													1934							7.8		7.2																			1.2			0.8/0.8		
31	O	0.823	0.802	0.031	80	300													2059							7.7		7.2																			1.4			0.8/0.8		
Minimum		0.142	0.000	0.002	80	300	191	1.4	0.2	2468	2286	2333	2020	5022	360	9	86	330	497	64211	87	6	140	40	0.009	7.2	7.0	7.0	6.8	6.8	6.9	6.8	240	140	140	120	32	0.01	0.01	0.01	0.78	0.6	0.4	0.7	0.1	0.3	0.9	0.0	3.7			
Maximum		1.119	0.957	0.031	80	420	371	6.2	5.0	2688	2695	2644	2280	6596	390	24	89	3070	3173	70963	1705	41	156	729	0.055	8.1	7.2	7.4	7.1	7.1	7.0	7.2	380	180	160	160	64	0.16	0.99	2.55	3.44	2.1	2.0	1.5	1.6	2.0	1.8	3.7	4.6			
Average		0.781	0.637	0.030	80	356	267	3.2	1.7	2604	2516	2512	2188	5769	371	16	87	1735	2296	68314	1428	20	148	79	0.039	7.7	7.1	7.2	7.0	7.0	7.0	7.0	317	160	154	157	52	0.04	0.14	1.54	2.05	1.5	1.0	1.0	0.9	1.2	1.2	2.1	4.0			

Month	August		Year	2022		McKinleyville WWMF																			
	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M
1	O	0.81	0.974	0.031	80	340	364	2.8	1.0	2586	2424	2409	2089	5278	390		87	2459	2297	66853	1365	19	162	48	0.041
2	O	0.795	0.973	0.031	80	340	342	5.4	1.4	2712	2594	2527	2167	6422	390		86	2268	2254	70803	1660	36	154	42	0.039
3	O	0.775	0.891	0.031	80	340	330	1.2	0.6	2576	2555	2479	2160	5274	380		87	2133	2198	68468	1364	8	153	50	0.038
4	O	0.770	0.893	0.031	80	340	300	1.8	0.2	2610	2425	2441	2126	6740	370		87	1927	2183	67187	1743	12	152	38	0.038
5	O	0.772	0.929	0.031	80	380	324	1.8	1.6	2632	2651	2469	2160	5256	380	26	87	2086	2447	70496	1359	12	154	51	0.042
6	O	0.778	0.796	0.031	80	380													2466						
7	O	0.835	0.802	0.031	80	380													2646						
8	O	0.798	0.888	0.031	80	380	308	1.0	0.6	2666	2673	2488	2160	6410	400		87	2050	2529	71244	1657	7	161	43	0.044
9	O	0.790	0.873	0.031	80	380	322	1.6	0.4	2499	2430	2364	2063	6950	390		87	2122	2504	65773	1797	11	165	36	0.045
10	C	0.806	0.817	0.031	80	380	305	5.6	0.2	2825	2595	2483	2137	6030	400		86	2050	2554	72324	1559	38	161	45	0.045
11	O	0.781	0.810	0.031	80	380	302	1.4	0.6	2659	2606	2533	2204	7386	380		87	1967	2475	70256	1910	9	150	37	0.042
12	O	0.774	0.812	0.031	80	420	341	3.4	1.0	2679	2628	2576	2360	6842	390	20	92	2201	2711	70817	1769	22	151	40	0.043
13	O	0.791	0.785	0.031	80	420													2771						
14	O	0.841	0.789	0.031	80	420													2946						
15	O	0.839	0.795	0.031	80	420	497	1.2	0.8	2886	2471	2471	2162	6422	390		87	3478	2939	71484	1660	8	158	43	0.051
16	O	0.816	0.884	0.031	80	420	390	3.8	0.8	2752	2541	2431	2110	5360	390		87	2654	2858	70630	1386	26	160	50	0.051
17	O	0.782	0.892	0.031	80	420	375	2.8	0.2	2661	2570	2594	2227	7200	390		86	2446	2739	69802	1861	18	150	37	0.046
18	O	0.767	0.895	0.031	80	420	236	3.0	1.0	2578	2327	2513	2174	4982	390		87	1510	2687	65452	1288	19	155	50	0.046
19	O	0.768	0.880	0.031	80	370	229	2.2	0.4	2733	2476	2272	1973	5386	380	16	87	1467	2370	69509	1392	14	167	49	0.045
20	O	0.772	0.786	0.031	80	370													2382						
21	C	0.830	0.784	0.031	80	370													2561						
22	C	0.797	0.840	0.030	80	370	256	3.6	0.8	2602	2427	2381	2035	5316	390		85	1702	2459	67107	1330	24	164	50	0.045
23	O	0.777	0.851	0.031	80	370	232	3.4	0.8	2607	2395	2523	2187	5356	400		87	1503	2398	66747	1385	22	159	47	0.041
24	O	0.776	0.896	0.032	80	370	231	2.6	0.6	2645	2429	2552	2196	5766	400		86	1495	2395	67707	1539	17	157	44	0.041
25	O	0.780	0.867	0.031	80	370	466	2.8	1.2	2538	2333	2457	2119	5824	400		86	3031	2407	64999	1506	18	163	43	0.043
26	O	0.760	0.887	0.031	80	340	309	2.8	0.6	2555	2276	2434	2119	5064	390	15	87	1959	2155	64465	1309	18	160	49	0.038
27	O	0.781	0.773	0.031	80	340													2215						
28	O	0.851	0.774	0.031	80	340													2413						
29	O	0.786	0.897	0.031	80	340	388	5.6	0.4	2739	2445	2546	2198	5538	390		86	2543	2229	69175	1432	37	153	47	0.038
30	O	0.772	0.898	0.031	80	340	350	2.6	0.6	2681	2503	2570	2216	2940	400		86	2253	2189	69175	760	17	156	89	0.037
31	O	0.778	0.888	0.031	80	340	225	1.8	0.4	2659	2498	2430	2000	5842	400		82	1460	2206	68815	1510	12	165	45	0.041
Minimum		0.760	0.773	0.030	80	340	225	1.0	0.2	2499	2276	2272	1973	2940	370	15	82	1460	2155	64465	760	7	150	36	0.037
Maximum		0.851	0.974	0.032	80	420	497	5.6	1.6	2886	2673	2594	2360	7386	400	26	92	3478	2946	72324	1910	38	167	89	0.051
Average		0.792	0.855	0.031	80	378	316	2.8	0.7	2656	2490	2476	2145	5808	390	19	87	2120	2470	68665	1502	18	158	47	0.043

	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	7.7	7.3	7.2	7.2	7.2	7.1	7.2	380	140	160	140	62	0.00	0.00	2.07	2.62	1.0	1.1	1.0	1.0	1.1	1.2			0.8/0.8	3'/0.5'	3'/0.5'
2	7.6	7.1	7.0	7.0	7.0	7.0	7.0	280	140	140	140	38	0.00	0.00	2.24	2.58	0.9	0.8	0.7	0.6	0.9	1.1			0.8/0.8	3'/1'	3'/0.5'
3	7.7	7.1	7.2	7.1	7.0	7.0	7.0	380	140	140	140	66	0.04	0.02	2.12	2.64	1.7	1.8	1.5	1.3	1.1	1.2			0.8/0.8	2.5'/0.5'	3'/1'
4	7.8	7.3	7.2	7.1	7.1	7.1	7.1	380	160	160	140	60	0.02	0.00	2.25	2.60	1.4	1.4	1.3	1.0	0.9	1.3			0.8/0.8	3'/1'	2.5'/0.5'
5	7.7	7.2	7.2	7.0	7.0	7.0	7.0	320	140	140	140	46	0.00	0.00	1.35	1.66	1.5	1.6	1.3	1.3	1.0	0.9	3.6	0.0	0.8/0.8	3'/1'	3'/1.5'
6	8.2		7.3																			0.9			0.8/0.8		
7	7.7		7.2																			0.9			0.8/0.8		
8	7.8	7.1	7.3	7.0	7.1	7.0	7.0	360	160	160	160	56	0.01	0.01	1.92	2.50	1.3	0.7	0.9	0.7	0.7	0.9			0.8/0.8	3'/2'	3'/1.5'
9	7.6	7.1	7.1	7.0	7.0	7.0	7.0	360	160	160	160	64	0.00	0.01	1.63	2.04	1.3	1.3	1.0	1.0	1.0	0.9			0.8/0.8	3'/2'	3'/2'
10	7.5	7.0	6.9	6.9	6.9	6.9	6.9	300	140	160	160	44	0.00	0.00	1.28	1.66	2.3	2.7	1.5	1.2	0.9	0.8			0.8/0.8	3'/1'	3'/1'
11	7.5	7.0	7.2	7.0	7.0	7.0	7.0	280	160	160	160	58	0.02	0.02	1.89	2.06	1.3	1.4	1.2	0.9	1.0	0.9			0.8/0.8	3'/1'	3'/1'
12	7.9	7.1	7.2	7.0	7.0	7.0	7.0	340	160	140	140	58	0.00	0.02	1.41	1.88	1.3	1.2	1.1	1.0	1.0	0.7	2.5	2.2	0.8/0.8	3'/1'	2.5'/1'
13	7.5		7.1																			0.9			0.8/0.8		
14	7.8		7.1																			0.7			0.8/0.8		
15	8.1	7.2	7.1	7.0	7.0	7.0	7.1	420	140	160	160	74	0.03	0.28	0.71	0.98	1.0	0.5	0.6	0.7	0.6	0.8			0.8/0.8	3'/1'	3'/1'
16	8.1	7.2	7.3	7.1	7.0	7.0	7.2	380	140	160	160	60	0.00	0.31	0.82	1.05	0.6	0.5	0.4	0.5	0.6	0.7			0.8/0.8	4'/2.5'	5'/2'
17	7.8	7.1	7.2	7.1	7.1	7.1	7.1	400	140	140	140	74	0.02	0.02	1.36	1.13	1.1	1.1	1.1	1.0	0.9	0.8			0.8/0.8	3'/1'	3'/1'
18	7.9	7.2	7.0	7.1	7.1	7.1	7.2	380	160	140	160	60	0.00	0.07	0.97	1.07	1.2	0.4	0.6	0.4	0.8	0.9			0.8/0.8	3'/1'	4'/2'
19	7.5	7.2	7.0	7.1	7.1	7.1	7.2	300	160	140	160	36	0.00	0.04	0.70	0.89	1.1	0.4	0.6	0.4	0.8	1.0	2.5	3.6	0.8/0.8	3'/1'	3'/1'
20	7.8		7.0																			0.9			0.8/0.8		
21	8.0		7.2																			1.0			0.8/0.8		
22	7.9	7.2	7.2	7.0	7.1	7.0	7.1	380	180	160	160	60	0.00	0.12	0.60	0.74	1.3	0.4	0.6	0.5	0.7	0.7			0.8/0.8	4'/1.5'	3'/1'
23	7.9	7.2	7.0	7.1	7.0	7.0	7.1	360	180	160	160	54	0.14	0.18	0.56	0.91	0.9	0.5	0.6	0.4	0.8	0.9			0.8/0.8	3'/1'	3'/1'
24	7.9	7.2	7.2	7.1	7.1	7.0	7.1	380	180	160	160	60	0.03	0.29	0.57	0.99	1.1	0.2	0.4	0.4	0.7	0.7			0.8/0.8	4'/2'	3'/1'
25	8.3	7.1	6.9	7.0	7.0	7.0	7.0	440	160	160	160	74	0.00	0.29	0.63	0.95	1.4	0.5	0.6	0.4	0.8	0.9			0.8/0.8	4'/2'	3'/1'
26	8.0	7.1	7.1	7.1	7.1	7.1	7.1	360	160	160	160	62	0.17	0.29	0.81	1.25	1.4	0.8	0.7	0.1	0.7	0.7	2.4	2.1	0.8/0.8	3'/1'	3'/1'
27	8.2		7.3																			0.7			0.8/0.8		
28	7.5		7.3																			0.7			0.8/0.8		
29	8.4	7.1	7.4	7.0	7.0	7.0	7.0	420	160	120	160	88	0.11	0.69	0.59	1.55	1.2	0.5	1.0	0.7	2.0	0.7			0.8/0.8	3'/1'	4'/1.5'
30	8.4	7.2	7.2	7.0	7.0	7.0	7.0	440	160	160	160	90	0.11	0.20	1.00	1.43	1.5	1.1	1.1	0.7	1.0	1.4			0.8/0.8	3'/1'	3.5'/1.5'
31	7.2	7.1	7.2	7.0	7.0	7.0	7.0	280	160	160	160	42	0.04	0.15	0.83	1.32	1.2	1.0	1.3	0.7	0.1	1.5			0.8/0.8	3'/1'	3'/1.5'
Minimum	7.2	7.0	6.9	6.9	6.9	6.9	6.9	280	140	120	140	36	0.01	0.01	0.56	0.74	0.6	0.2	0.4	0.1	0.1	0.7	2.4	2.1			
Maximum	8.4	7.3	7.4	7.2	7.2	7.1	7.2	440	180	160	160	90	0.17	0.69	2.25	2.64	2.3	2.7	1.5	1.3	2.0	1.5	3.6	3.6			
Average	7.8	7.1	7.2	7.0	7.0	7.0	7.1	362	156	152	154	60	0.06	0.17	1.23	1.59	1.3	1.0	0.9	0.7	0.9	0.9	2.8	2.6			

Month	September	Year	2022	McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	O	0.768	0.874	0.031	80	380	432	2.0	0.6	2714	2418	2554	2229	3702	400		87	2767	2434	68481	957	13	157	71	0.041	7.8	7.0	7.3	6.9	7.0	6.9	7.0	360	160	140	160	88	0.73	1.25	0.06	0.94	1.4	0.5	1.5	0.6	1.1	1.6			0.8/0.8	3'/1'	3'/1.5'
2	O	0.762	0.847	0.031	80	380	308	2.2	0.6	2479	2496	2506	2184	5344	400	16	87	1957	2415	66386	1382	14	160	48	0.041	7.6	7.1	7.3	7.0	7.0	7.0	7.0	320	180	160	160	58	0.06	0.41	2.18	0.04	1.8	2.0	2.0	0.6	1.1	1.6	3.2	2.5	0.8/0.8	3.5'/1.5'	3'/1'
3	C	0.779	0.661	0.031	80	380													2469							7.5		7.2																				2.0			0.8/0.8		
4	O	0.779	0.661	0.031	80	380													2469							7.8		7.3																				2.7			0.8/0.8		
5	O	0.843	0.656	0.031	80	380													2672							7.8		7.2																				4.3			0.8/0.8		
6	C	0.777	0.735	0.031	80	380	414	1.8	0.6	2608	2465	2467	2129	5608	410		86	2683	2462	67694	1450	12	166	46	0.043	8.1	7.1	7.3	7.0	7.0	7.0	7.0	360	160	160	160	60	0.02	0.17	1.76	3.14	1.6	1.0	0.9	0.7	0.8	1.6			0.8/0.8	3'/1.5'	2.5'/1'
7	S	0.774	0.740	0.031	80	380	209	1.8	0.6	2573	2529	2491	2154	5314	400		86	1349	2453	68081	1374	12	161	49	0.043	7.4	7.1	7.3	7.0	7.0	7.0	7.0	280	180	160	160	36	0.16	0.02	1.92	2.70	1.4	1.0	1.0	0.8	0.8	1.5			0.8/0.8	3'/1.5'	3'/1'
8	C	0.754	0.702	0.031	80	380	394	3.0	0.4	2511	2585	2563	2228	5452	420		87	2478	2390	68001	1410	19	164	48	0.040	8.3	7.1	7.3	7.0	7.0	7.0	7.0	400	160	160	160	72	0.04	0.15	1.94	2.78	1.5	1.0	1.0	0.7	1.0	1.0			0.8/0.8	3'/1.5'	2'/1'
9	C	0.752	0.695	0.031	80	420	256	1.6	0.8	2593	2482	2606	2280	5322	410	17	87	1606	2634	67721	1376	10	157	49	0.043	7.7	7.1	7.2	7.0	7.0	7.0	7.0	320	160	160	160	50	0.07	0.52	1.96	3.34	1.5	0.8	1.2	0.8	0.8	1.4	2.8	2.2	0.8/0.8	4'/2'	4'/1.5'
10	C	0.785	0.634	0.031	80	420													2750							7.8		7.2																				1.6			0.8/0.8		
11	O	0.815	0.640	0.031	80	420													2855							7.3		7.2																				1.2			0.8/0.8		
12	O	0.777	0.701	0.031	80	420	411	3.8	2.6	2734	2592	2593	2264	5506	440		87	2663	2722	71070	1424	25	170	49	0.045	7.8	7.2	7.3	7.1	7.1	7.0	7.1	340	160	160	160	64	0.07	0.06	1.60	3.26	0.7	1.5	1.8	0.5	0.8	1.0			0.8/0.8	3'/2'	3'/2'
13	F	0.762	0.711	0.031	80	420	252	3.4	2.2	2732	2637	2579	2260	5586	470		88	1601	2669	71644	1444	22	182	49	0.044	7.6	7.2	7.3	7.0	7.0	7.0	7.0	320	160	160	160	62	0.00	0.00	1.54	2.66	1.8	1.1	1.4	0.5	0.9	1.1			0.8/0.8	3'/2'	3'/2'
14	C	0.758	0.673	0.031	80	420	287	2.2	1.8	2673	2669	2548	2234	5850	450		88	1814	2655	71284	1512	14	177	47	0.045	7.9	7.2	7.3	7.0	7.0	7.0	7.0	360	160	160	160	64	0.01	0.00	1.28	2.52	1.8	1.2	1.0	0.9	0.6	1.1			0.8/0.8	3'/2.5'	3'/2'
15	O	0.758	0.627	0.031	80	420	431	2.4	1.0	2607	2608	2511	2194	5822	490		87	2725	2655	69589	1505	15	195	46	0.045	7.7	7.1	7.3	7.0	7.0	7.0	7.0	360	160	160	160	68	0.00	0.00	1.04	1.88	1.2	1.6	1.1	1.4	0.8	1.1			0.8/0.8	3'/2'	3'/2'
16	O	0.737	0.705	0.031	80	330	193	3.2	0.4	2638	2748	2507	2180	5734	470	7	87	1186	2028	71871	1482	20	187	48	0.035	7.5	7.2	7.3	7.0	7.0	7.0	7.0	360	160	160	160	46	0.06	0.03	1.02	0.69	1.6	1.1	1.7	0.9	0.7	0.8	3.6	0.0	0.8/0.8	3'/2.5'	3'/2'
17	O	0.762	0.625	0.031	80	330													2097							7.5		7.2																				1.0			0.8/0.8		
18	R	0.844	0.627	0.031	80	330													2323							8.1		7.2																				7.0			0.8/0.8		
19	O	0.788	0.683	0.031	80	330	339	1.2	0.8	2694	2706	2535	2218	6314	490		87	2228	2169	72058	1632	8	193	44	0.037	7.7	7.1	7.3	7.0	7.0	7.0	7.0	360	160	160	160	52	0.04	0.04	0.61	0.91	1.7	1.3	1.7	0.8	0.5	0.6			0.8/0.8	4'/3'	3.5'/2.5'
20	C	0.770	0.737	0.031	80	330	220	1.6	0.8	2720	2704	2561	2252	6726	490		88	1413	2119	72378	1739	10	191	41	0.035	7.9	7.2	7.3	7.1	7.0	7.0	7.0	360	160	160	160	66	0.00	0.00	1.05	1.50	1.8	1.4	1.3	0.6	0.4	1.1			0.8/0.8	3.5'/2.5'	3'/2'
21	O	0.778	0.801	0.031	80	330	351	1.6	1.4	2714	2642	2518	2211	6006	500		88	2277	2141	71470	1553	10	199	46	0.036	7.8	7.2	7.2	7.0	7.0	7.0	7.0	340	160	160	160	62	0.04	0.00	1.09	2.12	2.0	1.5	1.1	0.8	0.6	0.8			0.8/0.8	3.5'/2.5'	3'/2'
22	C	0.761	0.803	0.031	80	330	347	3.8	1.0	2614	2661	2532	2213	6428	480		87	2202	2094	70390	1662	24	190	42	0.035	7.8	7.2	7.3	7.0	7.0	7.0	7.0	360	160	160	160	56	0.02	0.03	1.32	1.66	1.4	1.1	1.1	0.5	0.5	0.6			0.8/0.8	3'/2'	3'/2'
23	O	0.735	0.735	0.031	80	370	309	2.4	2.8	2673	2557	2547	2230	7114	510	17	88	1894	2268	69789	1839	15	200	38	0.038	8.0	7.2	7.2	7.0	7.0	7.0	7.0	320	160	160	160	46	0.04	0.08	1.47	0.90	1.9	1.2	1.5	0.7	0.5	0.7	2.4	0.0	0.8/0.8	4'/2.5'	3.5'/2.5'
24	O	0.769	0.798	0.031	80	370													2373							7.5		7.0																				0.8			0.8/0.8		
25	O	0.822	0.800	0.031	80	370													2537							7.5		7.0																				0.8			0.8/0.8		
26	O	0.789	0.860	0.031	80	370	466	2.0	0.2	2680	2708	2524	2219	6628	510		88	3066	2435	71897	1714	13	202	42	0.041	7.5	7.1	7.3	7.1	7.1	7.0	7.1	300	160	160	160	70	0.00	0.00	1.25	2.38	1.5	1.5	1.3	1.0	0.7	0.6			0.8/0.8	4'/2'	4'/2'
27	O	0.775	1.051	0.031	80	370	281	1.0	0.6	2691	2648	2595	2299	6466	530		89	1816	2391	71244	1672	6	204	42	0.039	7.8	7.1	7.1	7.1	7.1	7.0	7.1	420	160	160	160	74	0.00	0.00	1.71	2.41	1.2	1.2	1.1	0.8	0.7	0.7			0.8/0.8	4'/2.5'	4'/2'
28	O	0.772	0.866	0.031	80	370	420	0.8	0.8	2327	2444	2287	2018	5522	450		88	2704	2382	63664	1428	5	197	44	0.044	7.9	7.0	7.2	7.0	7.0	7.0	7.0	400	160	160	160	74	0.33	0.30	1.61	2.26	1.2	1.2	1.0	0.8	0.5	1.1			0.8/0.8	4'/2'	3.5'/1.5'
29	O	0.769	0.781	0.031	80	370	453	0.8	0.2	2635	2546	2600	2303	6726	480		89	2905	2373	69135	1739	5	185	40	0.039	7.6	7.0	7.0	6.9	6.9	6.9	6.9	280	160	160	160	64	0.05	0.06	1.82	2.58	1.1	1.3	1.2	0.8	0.6	0.9			0.8/0.8	3.5'/1.5'	3'/1'
30	O	0.773	0.743	0.031	80	390	385	1.4	1.2	2705	2604	2610	2244	6428	510	25	86	2482	2514	70843	1662	9	195	42	0.042	7.7	7.1	6.9	7.0	7.0	7.0	7.0	320	160	160	160	46	0.11	0.12	1.04	1.15	1.0	1.1	1.1	0.9	0.8	1.1	2.4	2.2	0.8/0.8	3.5'/1.5'	4'/1.5'
Minimum		0.735	0.625	0.031	80	330	193	0.8	0.2	2327	2418	2287	2018	3702	400	7	86	1186	2028	63664	957	5	157	38	0.038	7.3	7.0	6.9	6.9	6.9	6.9	6.9	280	160	140	160	36	0.00	0.00	0.06	0.04	0.7	0.5	0.9	0.5	0.4	0.6	2.4	0.0			
Maximum		0.844	1.051	0.031	80	420	466	3.8	2.8	2734	2748	2610	2303	7114	530	25	89	3066	2855	72378	1839	25	204	71	0.046	8.3	7.2	7.3	7.1	7.1	7.0	7.1	420	180	160	160	88	0.73	1.25	2.18	3.34	2.0	2.0	2.0	1.4	1.1	7.0	3.6	2.5			
Average		0.776	0.739	0.031	80	376	341	2.1	1.0	2634	2593	2535	2216	5886	462	16	87	2182	2432	69747	1522	13	182	46	0.041	7.7	7.1	7.2	7.0	7.0	7.0	7.0	345	162	159	160	61	0.09	0.15	1.39	1.99	1.5	1.2	1.3	0.8	0.7	1.4	2.9	1.4			

Month	October	Year	2022	McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	F	0.782	0.780	0.031	80	390													2544								7.8		7.0																		0.8				0.8/0.8		
2	F	0.833	0.771	0.031	80	390													2709								7.6		7.1																		0.9				0.8/0.8		
3	O	0.796	0.781	0.031	80	390	324	0.8	0.2	2619	2643	2386	2059	5932	500		86	2151	2589	70216	1534	5	210	46	0.047	7.7	7.1	7.0	7.0	7.0	7.0	7.0	380	160	160	160	72	0.09	0.08	1.53	2.14	1.0	1.2	1.1	0.7	0.4	0.9				0.8/0.8	4'/1.5'	3'/1'
4	O	0.756	0.786	0.031	80	390	313	0.8	0.2	2567	2588	2472	2154	5662	490		87	1973	2459	68788	1464	5	198	47	0.043	7.5	7.1	7.2	7.0	7.0	7.0	7.0	300	160	160	160	48	0.00	0.00	1.15	1.21	1.5	1.4	1.2	0.5	0.6	1.0				0.8/0.8	3.5'/1	4'/2'
5	O	0.758	0.798	0.031	80	390	341	2.0	0.8	2647	2702	2588	2283	5826	490		88	2156	2465	71377	1506	13	189	47	0.040	7.6	7.0	7.0	7.0	7.0	7.0	7.0	280	160	140	160	64	0.00	0.00	1.21	1.88	1.0	1.1	1.0	0.9	0.6	0.7				0.8/0.8	3'/1'	3'/1'
6	O	0.755	0.867	0.031	80	390	527	0.8	0.2	2581	2588	2420	2117	5490	500		87	3318	2456	68975	1419	5	207	48	0.043	7.9	7.1	7.2	7.0	7.0	7.0	7.0	340	160	160	160	80	0.00	0.00	0.55	1.85	1.4	1.7	0.9	0.6	0.6	0.9				0.8/0.8	4'/2'	4'/2'
7	O	0.741	0.845	0.031	80	360	314	0.6	1.0	2488	2513	2468	2183	5812	500	33	88	1941	2225	66733	1503	4	203	44	0.038	7.7	7.1	7.0	7.1	7.1	7.1	7.1	280	140	140	140	60	0.08	0.09	1.50	1.28	1.8	1.9	1.7	1.5	0.7	0.7	2.4	0.0	0.8/0.8	4'/1'	4'/1'
8	O	0.772	0.780	0.031	80	360													2318								8.2		7.2																		0.9				0.8/0.8		
9	O	0.831	0.780	0.031	80	360													2495								7.6		7.0																		0.5				0.8/0.8		
10	O	0.784	0.769	0.031	80	360													2354								8.0		7.1																		0.5				0.8/0.8		
11	O	0.780	0.831	0.031	80	360	429	1.6	0.4	2612	2460	2497	2198	5578	530		88	2791	2342	67681	1442	10	212	47	0.040	8.3	7.1	7.2	6.9	7.0	7.0	6.9	420	160	140	160	86	0.13	0.62	0.60	1.68	5.4	0.9	2.7	1.5	0.5	0.6				0.8/0.8	4'/2'	5'/2'
12	O	0.770	0.673	0.031	80	360	293	1.2	0.6	2460	2349	2408	2125	5712	490		88	1882	2312	64171	1477	8	203	43	0.041	7.8	7.0	7.2	7.0	7.0	7.0	6.9	360	140	140	160	64	0.04	0.14	0.96	1.74	5.9	1.0	3.5	2.4	0.7	0.6				0.8/0.8	4'/2'	4.5'/2'
13	O	0.759	0.856	0.031	80	360	239	1.6	0.8	2451	2289	2404	2119	5532	490		88	1513	2279	63251	1430	10	204	44	0.040	7.4	7.0	7.1	7.0	7.0	7.0	6.9	280	160	160	180	40	0.03	0.50	0.99	1.48	7.4	1.1	4.2	2.5	1.0	0.6				0.8/0.8	4'/2'	3.5'/1.5'
14	O	0.750	0.820	0.031	80	370	381	2.2	0.6	2494	2359	2395	2134	5490	500	33	89	2383	2314	64758	1419	14	209	45	0.041	7.8	7.0	7.2	7.0	7.0	7.0	6.9	380	160	160	160	66	0.02	0.29	1.01	1.43	8.9	2.0	5.3	2.8	0.6	0.7	2.2	0.0	0.8/0.8	4'/2.5'	3.5'/2'
15	O	0.759	0.770	0.031	80	370													2342								7.5		7.1																		0.7				0.8/0.8		
16	O	0.813	0.761	0.031	80	370													2509								7.4		7.1																		0.5				0.8/0.8		
17	O	0.768	0.806	0.031	80	370	432	3.0	0.8	2528	2372	2448	2165	5482	500		88	2767	2370	65386	1417	19	204	46	0.041	7.9	7.0	7.1	6.9	7.0	7.0	6.8	380	140	140	160	62	0.20	0.26	1.28	1.46	10.0	2.4	7.1	3.7	0.8	0.6				0.8/0.8	4'/2'	4'/2'
18	O	0.745	0.836	0.031	80	370	624	3.2	0.6	2443	2312	2397	2119	5316	490		88	3877	2299	63451	1374	20	204	46	0.041	7.7	7.0	7.2	6.9	7.0	7.0	6.9	360	160	140	160	68	0.10	0.52	1.19	1.61	10.1	1.6	6.5	3.3	0.8	0.6				0.8/0.8	4'/2'	4'/2'
19	O	0.753	0.841	0.031	80	370	219	2.8	1.2	2485	2371	2434	2155	5238	490		89	1375	2324	64798	1354	18	201	47	0.040	7.5	7.1	7.2	7.0	7.0	7.0	7.0	360	160	140	160	60	0.19	0.44	1.27	1.75	10.7	2.2	6.3	3.2	0.9	0.6				0.8/0.8	3.5'/2'	3.5'/2'
20	O	0.741	0.821	0.031	80	370	222	1.2	0.6	2393	2290	2352	2095	5278	530		89	1372	2287	62490	1365	7	225	46	0.041	7.4	7.0	7.1	6.9	7.0	6.9	6.8	320	140	140	160	48	0.11	0.21	1.32	1.94	11.3	3.0	7.0	3.5	0.6	0.6				0.8/0.8	4'/2.5'	4'/2.5'
21	O	0.738	0.835	0.031	80	400	476	1.6	1.0	2576	2477	2352	2100	4920	560	42	89	2930	2339	67427	1272	10	238	53	0.042	7.9	7.1	7.2	7.0	7.0	7.0	7.0	380	140	140	140	74	0.39	0.35	1.20	1.85	8.9	7.6	8.0	3.8	0.8	0.6	4.0	0.0	0.8/0.8	4'/2'	4'/2'
22	F	0.775	0.761	0.031	80	400													2456								8.4		7.1																		0.7				0.8/0.8		
23	C	0.823	0.764	0.031	80	400													2608								7.4		7.2																		0.7				0.8/0.8		
24	O	0.761	0.849	0.031	80	400	305	2.0	0.8	2388	2135	2219	1968	4640	580		89	1936	2412	60355	1200	13	261	50	0.046	7.9	7.1	7.2	7.0	7.0	7.0	7.1	360	140	140	140	64	0.24	0.46	0.98	1.61	2.9	3.2	3.7	1.5	0.5	0.5				0.8/0.8	6'/2.5'	4'/2'
25	O	0.760	0.482	0.031	80	400	267	1.2	0.2	2370	2281	2427	2135	5024	580		88	1692	2409	62063	1299	8	239	47	0.042	7.5	7.0	7.1	6.9	6.9	6.9	6.9	320	140	140	140	58	0.29	0.44	0.93	1.70	2.3	3.5	3.0	1.8	0.8	0.6				0.8/0.8	5'/1.5'	4'/2'
26	C	0.777	0.000	0.031	80	400	338	2.2	X	2328	2118	2213	1964	5434	570		89	2190	2462	59327	1405	14	258	42	0.047	7.9	7.1	X	7.0	7.0	7.0	7.0	400	140	160	160	66	0.20	0.92	0.02	X	3.7	4.3	3.7		0.5	X				0.8/0.8	4'/2'	4'/2'
27	C	0.737	0.537	0.031	80	400	278	2.4	0.6	2358	2148	2308	2056	5214	590		89	1709	2336	60128	1348	15	256	44	0.043	7.7	7.1	7.1	7.0	7.0	7.0	7.0	360	140	160	160	62	0.26	0.70	0.07	0.41	7.2	6.4	5.1	1.6	0.6	0.6				0.8/0.8	5'/2.5'	4'/2'
28	S	0.730	0.858	0.031	80	370	287	0.6	1.4	2372	2225	2352	2092	5948	610	30	89	1747	2314	61342	1538	4	259	40	0.041	7.9	7.0	7.0	7.0	7.0	7.0	7.0	400	140	140	160	82	0.19	0.58	1.57	2.42	5.9	7.9	6.5	2.9	0.6	0.6	3.0	0.0	0.8/0.8	4'/2'	4'/2'
29	C	0.765	0.786	0.031	80	370													2424								7.6		7.2																		0.5				0.8/0.8		
30	O	0.815	0.779	0.031	80	370													2583								8.2		7.2																		0.7				0.8/0.8		
31	C	0.729	0.873	0.031	80	370	203	2.6	0.6								89	1234	2310	59968	1505	16	278	39	0.043	7.4	7.1	7.1	7.1	7.0	7.0	7.0	320	160	160	160	52	0.02	0.65	1.77	2.37	2.9	6.5	3.3	2.6	0.9	0.8				0.8/0.8	5'/3'	4'/2'
Minimum		0.729	0.000	0.031	80	360	203	0.6	0.2	2328	2118	2213	1964	4640	490	30	86	1234	2225	59327	1200	4	189	39	0.042	7.4	7.0	7.0	6.9	6.9	6.9	6.8	280	140	140	140	40	0.00	0.00	0.02	0.41	1.0	0.9	0.9	0.5	0.4	0.5	2.2	0.0			
Maximum		0.833	0.873	0.031	80	400	624	3.2	1.4	2647	2702	2588	2283	5948	610	42	89	3877	2709	71377	1538	20	278	53	0.044	8.4	7.1	7.2	7.1	7.1	7.1	7.1	420	160	160	180	86	0.39	0.92	1.77	2.42	11.3	7.9	8.0	3.8	1.0	1.0	4.0	0.0			
Average		0.770	0.758	0.031	80	375	341	1.7	0.7	2482	2380	2397	2117	5449	526	35	88	2147	2408	64634	1414	11	223	46	0.043	7.7	7.1	7.1	7.0	7.0	7.0	7.0	349	150	148	157	64	0.13	0.36	1.06	1.67	5.5	3.0	4.1	2.2	0.7	0.7	2.9	0.0			

Month	November	Year	2022	McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	R	0.799	0.298	0.031	80	380	415	4.4	1.2	2381	2170	2367	2125	6490	630		90	2765	2532	60729	1678	29	266	36	0.045	8.2	7.1	7.2	7.0	7.0	7.0	7.0	420	140	140	140	72	0.01	0.38	1.05	2.02	2.3	5.7	4.5	2.9	0.8	0.7			0.8/0.8	5'/3'	6'/3'
2	R	0.794	0.000	0.031	80	380	323	1.6		2332	2081	2335	2084	5880	650		89	2139	2516	58887	1520	11	278	38	0.045	7.7	7.0	X	6.9	6.9	7.0	6.9	360	140	140	140	44	0.13	0.33	0.02	X	2.6	7.1	4.7	X	0.8	X			0.8/0.8	5'/3'	5'/3'
3	C	0.750	0.496	0.031	80	380	241	1.8	1.6	2172	2436	2321	2058	5398	650		89	1507	2377	61489	1396	11	280	44	0.043	7.9	7.1	7.2	7.0	7.0	7.0	7.0	380	140	140	140	60	0.26	0.58	0.05	0.11	3.3	8.3	5.6	1.4	0.9	0.8			0.8/0.8	6'/3'	5'/3'
4	O	0.737	0.810	0.031	80	340	312	2.4	0.6	2475	2117	2234	1984	6200	640	14	89	1918	2090	61276	1603	15	286	38	0.039	8.0	7.1	7.3	7.0	6.9	6.9	7.0	420	140	140	140	68	0.04	0.23	2.71	2.98	3.3	7.9	5.8	2.8	0.8	0.6	2.3	0.0	0.8/0.8	4'/2'	4'/2'
5	R	0.863	0.804	0.031	80	340													2447							7.7		7.2																					0.7			0.8/0.8		
6	O	0.926	0.838	0.031	80	340													2626							8.1		7.2																					0.8			0.8/0.8		
7	R	0.847	0.797	0.031	80	340	131	2.6	0.4	2449	2121	2315	2061	6150	690		89	925	2402	60982	1590	18	298	38	0.044	7.4	7.1	7.2	7.0	7.0	7.0	7.0	240	140	140	120	38	0.25	0.36	1.99	2.99	3.6	2.3	5.5	3.9	0.6	0.5			0.8/0.8	6'/3.5'	7'/4'
8	O	0.539	0.562	0.022	80	340	232	2.4	0.4	2465	2192	2292	2023	5710	720		88	1043	1528	62143	1048	11	314	59	0.028	7.6	6.9	7.0	6.8	6.8	6.9	6.9	300	160	160	140	44	0.50	0.76	1.84	2.74	4.1	8.1	5.9	3.1	0.8	0.6			0.8/0.8	8'/4'	8'/4'
9	C	0.771	0.735	0.028	80	340	434	2.2	0.8	2478	2218	2332	2055	5394	710		88	2791	2186	62663	1260	14	304	49	0.040	7.8	6.9	6.9	6.8	6.8	6.9	6.8	400	140	140	140	64	0.41	0.95	2.20	3.20	4.6	8.9	6.6	3.8	0.9	0.5			0.8/0.8	7'/3'	8'/4'
10	C	0.779	0.793	0.031	80	360	297	2.2	0.8	2477	2188	2296	2041	5820	700	22	89	1930	2339	62250	1505	14	305	41	0.043	8.2	7.0	7.1	6.9	6.9	6.9	6.9	380	140	140	120	76	0.21	0.36	2.18	3.58	4.3	8.8	6.5	3.5	0.7	0.5	4.1	0.0	0.8/0.8	7'/3'	7'/4'
11	C	0.791	0.765	0.031	80	360													2375							7.7		7.1																					0.5			0.8/0.8		
12	R	0.811	0.763	0.031	80	360													2435							7.5		7.1																					0.6			0.8/0.8		
13	C	0.815	0.770	0.031	80	360													2447							7.9		7.1																					0.5			0.8/0.8		
14	C	0.826	0.771	0.031	80	360	268	2.2	0.8	2529	2205	2324	2061	6170	710		89	1846	2480	63170	1595	15	306	39	0.045	7.8	7.0	7.1	6.9	6.8	6.9	6.9	300	140	140	140	58	0.13	0.14	2.34	4.04	3.9	9.2	6.2	3.4	0.7	0.5			0.8/0.8	9'/3'	9'/3'
15	C	1.106	1.042	0.031	80	360	323	1.8	0.6	2497	2251	2285	2014	6042	710		88	2979	3321	63357	1562	17	311	40	0.062	8.1	7.0	7.1	6.9	6.8	6.9	6.9	320	140	160	140	68	0.10	0.00	2.70	4.28	2.7	8.2	5.5	3.4	0.6	0.5			0.8/0.8	7'/2.5'	8'/3'
16	C	0.783	0.769	0.031	80	360	391	1.8	0.2	2443	2382	2280	1994	6300	690		87	2553	2351	64385	1629	12	303	39	0.044	7.9	7.1	7.2	7.0	7.0	7.0	7.0	380	140	140	140	78	0.04	0.09	2.20	4.48	4.5	6.0	4.5	3.0	0.4	0.5			0.8/0.8	7'/3'	7'/3'
17	C	0.760	0.763	0.034	80	360	267	1.4	0.2	2508	2468	2403	2140	5202	710		89	1692	2282	66400	1475	9	295	45	0.040	7.5	7.1	7.2	7.0	7.0	7.0	7.0	340	140	140	140	62	0.49	0.38	3.54	2.16	6.7	6.2	5.0	3.6	0.5	0.4			0.8/0.8	6'/2'	6'/2'
18	C	0.749	0.762	0.034	80	290	509	2.0	0.8	2528	2243	2302	2027	6010	710	33	88	3180	1812	63664	1704	12	308	37	0.033	8.4	7.0	7.2	6.9	6.9	6.9	6.9	420	140	160	140	78	0.08	0.12	2.66	4.24	1.7	6.2	3.9	3.0	0.1	0.6	3.0	0.0	0.8/0.8	7'/2'	7.5'/2.5'
19	C	0.774	0.764	0.034	80	290													1872							7.6		7.0																					0.6			0.8/0.8		
20	C	0.818	0.768	0.034	80	290													1978							7.4		7.0																					0.6			0.8/0.8		
21	O	0.783	0.768	0.034	80	290	299	2.8	1.0	2513	2508	2451	2186	6224	740		89	1953	1894	67000	1765	18	302	38	0.032	8.2	7.1	7.1	7.0	7.0	6.9	7.0	400	160	140	140	82	0.04	0.03	3.02	4.10	4.1	4.3	3.3	2.6	0.7	0.6			0.8/0.8	7'/5'	7'/5'
22	O	0.783	0.764	0.036	80	360	301	0.6	0.2	2510	2462	2302	2065	6196	760	22	90	1966	2351	66346	1860	4	330	36	0.043	7.5	7.1	6.9	7.0	7.0	7.0	7.0	300	160	160	140	56	0.00	0.02	2.34	2.38	2.2	3.2	2.6	2.5	0.6	0.7	4.4	3.0	0.8/0.8	7.5'/3'	7'/4'
23	C	0.795	0.756	0.037	80	360	577	2.2	0.2	2555	2485	2412	2162	5744	730		90	3826	2387	67254	1772	15	303	38	0.041	7.7	7.2	7.3	7.1	7.1	7.1	7.1	340	140	140	140	74	0.08	0.10	1.68	3.32	3.5	4.7	3.4	3.3	0.5	0.7			0.8/0.8	7'/3'	7'/3.5'
24	C	0.799	0.757	0.037	80	360													2399							7.5		7.3																					0.5			0.8/0.8		
25	C	0.746	0.761	0.037	80	360													2240							7.6		7.3																					0.5			0.8/0.8		
26	C	0.758	0.754	0.037	80	360													2276							8.2		7.3																					0.6			0.8/0.8		
27	C	0.840	0.754	0.037	80	360													2522							8.0		7.3																					0.6			0.8/0.8		
28	O	0.785	0.838	0.037	80	360	345	1.0	0.2	2464	2504	2461	2210	6468	730		90	2259	2357	66293	1996	7	297	33	0.040	7.8	7.0	7.1	7.0	7.0	6.9	7.0	360	140	140	140	82	0.46	0.35	2.14	3.36	3.2	2.9	2.1	2.3	0.6	0.6			0.8/0.8	5'/3'	5'/3'
29	C	0.748	0.891	0.037	80	360	200	2.2	0.4	2644	2664	2364	2118	5818	720		90	1248	2246	70830	1795	14	305	39	0.040	7.7	7.2	7.1	7.0	7.0	7.0	7.0	380	140	140	140	82	0.30	0.08	2.00	3.56	2.9	2.6	2.2	2.0	0.7	0.7			0.8/0.8	5.5'/3'	5'/3'
30	O	0.619	0.546	0.037	80	360	408	2.0	0.8	2490	2590	2419	2056	5800	730		85	2106	1858	67788	1790	10	302	38	0.034	7.8	7.0	7.0	7.0	7.0	7.0	7.0	400	140	140	140	72	0.05	0.13	2.20	3.40	3.9	4.4	3.1	2.3	0.8	0.8			0.8/0.8	6'/2.5'	6'/3'
Minimum		0.539	0.000	0.022	80	290	131	0.6	0.2	2172	2081	2234	1984	5202	630	14	85	925	1528	58887	1048	4	266	33	0.029	7.4	6.9	6.9	6.8	6.8	6.9	6.8	240	140	140	120	38	0.00	0.00	0.02	0.11	1.7	2.3	2.1	1.4	0.1	0.4	2.3	0.0			
Maximum		1.106	1.042	0.037	80	380	577	4.4	1.6	2644	2664	2461	2210	6490	760	33	90	3826	3321	70830	1996	29	330	59	0.056	8.4	7.2	7.3	7.1	7.1	7.1	7.1	420	160	160	140	82	0.50	0.95	3.54	4.48	6.7	9.2	6.6	3.9	0.9	0.8	4.4	3.0			
Average		0.790	0.722	0.033	80	338	330	2.1	0.6	2469	2331	2342	2077	5948	702	23	89	2138	2298	64048	1608	13	300	40	0.041	7.8	7.1	7.1	7.0	6.9	7.0	7.0	360	143	144	138	66	0.19	0.28	2.05	3.16	3.5	6.1	4.6	2.9	0.7	0.6	3.5	0.8			

Month	December	Year	2022	McKinleyville WWMF

	Weather	Influent Flow MG	Effluent Flow MG	WAS Flow MG	% of Inf. RAS Flow	Influent BOD mg/L	Influent TSS mg/L	Sec.Eff TSS mg/L	FE TSS mg/l	AB1 MLSS mg/L	AB2 MLSS mg/L	Combined MLSS mg/L	MLVSS mg/L	RAS TSS mg/L	30 Min Settleable Test	Settleable Solids Volume	% Volatile Solids	Lbs/day Inf TSS Added	Lbs/day BOD Added	Lbs/day under Aeration	Lbs/day Wasted	Lbs/Day Lost in Sec. Eff	SVI	MCRT in days	F/M	Influent pH	Sec. Eff pH	Final Eff pH	AB1 pH	AB2 pH	RAS pH	Combined MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	AB1 Alkalinity	AB2 Alkalinity	Influent Ammonia mg/L	ABI Ammonia mg/L	AB2 Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	AB1 Nitrates mg/L	AB2 Nitrates mg/L	Sec Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU	Sec. Eff BOD	Final Eff. BOD	DO SETPOINT AB1/AB2	#1 Clarifier Blanket feet Total/Solid	#2 Clarifier Blanket feet Total/Solid
1	O	0.877	0.914	0.037	80	360	356	1.6	1.0	2540	2512	2389	2140	5886	720		90	2604	2633	67414	1816	12	301	37	0.046	8.1	7.0	7.1	7.0	7.0	7.0	7.0	420	140	140	140	68	0.53	0.52	2.04	2.26	6.4	6.2	4.3	3.6	0.5	1.2			0.8/0.8	6.5'/3'	6'/3'
2	O	0.798	0.911	0.037	80	300	175	1.6	0.6	2528	2472	2408	2138	6456	780	11	89	1165	1997	66720	1992	11	324	33	0.035	8.3	7.1	7.1	6.9	6.9	6.9	6.9	300	140	140	140	56	0.02	0.00	1.60	2.16	5.1	6.6	4.9	2.9	0.5	1.0	3.8	0.0	0.8/0.8	6.5'/3'	6'/3'
3	C	0.802	0.909	0.037	80	300													2007								8.5		7.1																			0.8			0.8/0.8		
4	R	0.909	0.970	0.037	80	300													2274								7.8		7.1																			0.6			0.8/0.8		
5	O	0.593	0.467	0.037	80	300	256	23.8	0.6	2551	2610	2520	2252	6260	700		89	1266	1484	68868	1932	118	278	34	0.025	7.9	7.1	7.1	7.0	6.9	6.9	7.0	320	140	120	120	60	0.47	0.48	1.13	2.19	6.9	6.9	4.7	3.9	3.9	0.7			0.8/0.8	7'/5.5'	7'/5.5'
6	C	0.886	1.082	0.037	80	300	288	2.8	0.6	2565	2574	2503	2248	6798	720		90	2128	2217	68575	2098	21	288	32	0.037	7.8	7.0	7.0	7.0	7.0	6.9	7.0	380	140	140	120	56	0.00	0.00	1.48	2.38	4.8	5.8	4.5	2.1	0.6	1.0			0.8/0.8	7'/4'	7'/4'
7	C	0.842	1.265	0.037	80	300	343	4.6	4.6	2636	2595	2468	2207	6320	740		89	2409	2107	69802	1950	32	300	35	0.036	7.9	7.0	7.1	6.9	6.9	6.9	6.9	360	140	140	120	70	0.00	0.00	1.78	2.24	4.7	5.3	5.0	3.6	0.9	1.1			0.8/0.8	7'/4'	7'/5'
8	R	0.860	1.258	0.037	80	300	325	3.0	1.4	2563	2541	2519	2235	5906	740		89	2331	2152	68108	1822	22	294	37	0.036	7.9	7.0	7.0	7.0	7.0	7.0	7.0	360	140	140	120	68	0.00	0.04	2.05	2.55	6.7	7.3	5.4	4.3	0.9	1.0			0.8/0.8	7'/4.5'	7'/5'
9	R	0.523	0.647	0.037	80	260	150	3.8	2.6	2530	2535	2468	2204	6624	770	10	89	654	1134	67587	2044	17	312	33	0.019	8.1	7.1	7.1	6.9	6.9	6.9	6.9	280	140	140	120	50	0.03	0.03	1.82	2.21	8.6	8.7	6.3	4.3	0.8	0.9	5.6	2.9	0.8/0.8	8'/6'	8'/6'
10	R	1.250	1.250	0.037	80	260													2711								7.4		7.0																			0.9			0.8/0.8		
11	R	1.244	1.244	0.037	80	260													2697								7.3		7.1																			1.0			0.8/0.8		
12	C	0.971	1.254	0.037	80	260	293	5.2	3.4	2490	2558	2387	2130	6500	790		89	2373	2106	67361	2006	42	331	33	0.037	8.0	7.0	7.0	6.9	6.9	6.8	6.9	340	140	120	120	62	0.02	0.02	1.81	2.20	6.9	6.1	5.4	4.3	0.7	1.4			0.8/0.8	8'/6'	8'/6'
13	C	0.913	1.262	0.037	80	260	212	3.4	0.6	2539	2476	2405	2148	6104	780		89	1614	1980	66920	1884	26	324	35	0.035	8.2	7.0	7.0	6.9	6.9	6.8	6.9	320	140	120	120	70	0.00	0.00	1.75	1.95	4.1	5.2	4.2	3.8	1.0	1.0			0.8/0.8	7'/5.5'	7'/5.5
14	C	0.875	1.264	0.037	80	260	294	4.0	2.8	2536	2583	2468	2204	6144	790		89	2145	1897	68308	1896	29	320	35	0.032	8.2	7.0	7.0	6.9	6.9	6.8	6.9	340	140	120	120	70	0.00	0.00	1.95	2.11	3.7	4.1	3.1	2.9	0.9	1.0			0.8/0.8	8'/6'	8'/6'
15	C	0.861	1.124	0.037	80	260	262	4.6	3.0	2641	2536	2446	2183	6150	780		89	1881	1867	69082	1898	33	319	36	0.032	7.8	7.0	7.0	6.9	6.9	6.8	6.9	320	140	140	120	70	0.00	0.00	1.98	2.25	3.3	5.0	3.2	3.0	0.9	0.9			0.8/0.8	8'/6'	7'/5'
16	C	0.844	0.949	0.037	80	260	328	3.0	1.0	2591	2546	2493	2239	5428	770	25	90	2309	1830	68548	1675	21	309	40	0.031	8.0	6.9	6.9	6.9	6.9	6.9	6.9	380	140	120	140	54	0.12	0.31	1.88	2.12	3.6	3.9	3.0	3.1	0.9	0.9	5.8	0.0	0.8/0.8	7'/4'	7'/4'
17	C	0.856	0.949	0.037	80	260													1856								8.5		6.9																			1.0			0.8/0.8		
18	C	0.904	0.949	0.037	80	260													1960								8.4		7.1																			0.9			0.8/0.8		
19	C	0.853	0.546	0.037	80	260	360	3.6	0.6	2464	2306	2368	2110	5830	790		89	2561	1850	63651	1799	26	334	35	0.033	8.1	6.9	7.2	6.9	6.9	6.8	6.7	340	140	140	140	64	0.00	0.01	1.81	2.42	1.7	5.8	3.1	3.4	1.3	0.9			0.8/0.8	8'/4'	8'/4'
20	R	0.659	0.395	0.037	80	260	424	2.2	1.0	2506	2317	2486	2221	5880	760		89	2330	1429	64358	1814	12	306	35	0.024	7.7	7.1	7.0	6.9	6.9	6.8	7.1	360	140	140	140	76	0.00	0.00	0.00	1.52	1.9	4.2	2.9	4.3	0.7	0.7			0.8/0.8	8'/4'	8'/4'
21	S	0.887	0.925	0.037	80	370	287	3.8	2.0	2582	2382	2525	2260	5496	780		90	2123	2737	66240	1696	28	309	38	0.045	7.9	6.9	7.0	6.9	6.9	6.8	6.8	300	120	140	120	62	0.02	0.20	1.67	2.50	3.0	5.8	3.9	4.0	1.4	0.8	7.0	2.6	0.8/0.8	8'/3'	8'/3'
22	O	0.829	0.907	0.037	80	370	455	4.6	0.4	2502	2506	2455	2222	6202	780	45	91	3146	2558	66827	1914	32	318	34	0.043	7.5	6.9	6.9	6.9	6.9	6.9	6.9	360	140	140	140	54	0.02	0.00	1.79	2.54	2.9	3.4	2.7	2.6	1.5	0.8			0.8/0.8	8'/2.5'	8'/3'
23	F	0.851	0.849	0.037	80	370													2626								7.6		7.0																			0.8			0.8/0.8		
24	O	0.857	0.849	0.037	80	370													2645								7.5		7.1																			0.7			0.8/0.8		
25	O	0.811	0.844	0.037	80	370													2503								7.9		7.1																			0.8			0.8/0.8		
26	R	0.956	0.978	0.037	80	370													2950								7.9		7.2																			0.9			0.8/0.8		
27	R	1.183	0.701	0.037	80	370	295	4.8	3.4	2404	2132	2336	2087	5248	770		89	2911	3651	60528	1619	47	330	36	0.066	8.1	6.9	7.2	6.9	6.9	6.8	6.8	260	140	120	120	54	0.00	0.00	1.57	1.91	1.6	3.3	2.3	3.8	1.8	1.7			0.8/0.8	11'/9'	11'/8'
28	O	1.054	0.912	0.035	80	440	436	5.0	0.8	2338	2077	2066	1930	5286	750		93	3833	3868	58914	1543	44	363	37	0.075	7.9	6.9	7.2	6.9	6.9	6.7	6.7	320	140	140	140	66	0.00	0.00	0.03	1.42	1.5	0.0	2.5	3.0	1.1	0.6	2.6	3.6	0.8/0.8	11'/8'	12'/8'
29	O	1.014	1.748	0.033	80	440	251	5.4	1.8	2327	2136	2202	1963	5494	770		89	2123	3721	59554	1512	46	350	38	0.071	7.8	6.8	6.9	6.8	6.8	6.7	6.7	260	140	120	120	46	0.00	0.00	0.02	0.99	1.8	4.0	2.7	3.4	1.5	1.4			0.8/0.8	11'/8'	11'/8'
30	R	1.277	1.805	0.033	80	440	367	2.4	2.0	2358	2287	2352	2117	5586	750	13	90	3909	4686	61983	1537	26	319	40	0.083	8.1	6.8	7.0	6.8	6.8	6.7	6.7	300	120	120	120	68	0.00	0.00	0.00	0.95	3.8	4.1	3.8	3.4	0.8	1.1			0.8/0.8	12'/4'	12'/4'
31	R	1.215	1.834	0.033	80	440													4459								7.8		6.9																			1.0			0.8/0.8		
Minimum		0.523	0.395	0.033	80	338	150	1.6	0.4	2327	2077	2066	1930	5248	700	10	89	654	1134	58914	1512	11	278	32	0.022	7.3	6.8	6.9	6.8	6.8	6.7	6.7	260	120	120	120	46	0.00	0.00	0.00	0.95	1.5	0.0	2.3	2.1	0.5	0.6	2.6	0.0				
Maximum		1.277	1.834	0.037	80	440	455	23.8	4.6	2641	2610	2525	2260	6798	790	45	93	3909	4686	69802	2098	118	363	40	0.078	8.5	7.1	7.2	7.0	7.0	7.0	7.1	420	140	140	140	76	0.53	0.52	2.05	2.55	8.6	8.7	6.3	4.3	3.9	1.7	7.0	3.6				
Average		0.911	1.031	0.037	80	284	308	4.7	1.7	2510	2434	2413	2162	5980	762	21	90	2291	2471	65967	1822	32	316	36	0.043	7.9	7.0	7.0	6.9	6.9	6.8	6.9	331	138	132	127	62	0.06	0.08	1.41	2.03	4.2	5.1	3.9	3.5	1.1	1.0	5.0	1.8				

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY SLUDGE and
SOLIDS MONITORING/Feet September 2022

Feet	Biosolids Basin CENTER	SOUTH	NORTH
10	1.0	0.5	0.5
20	1.0	0.5	0.5
30	0.5	1.0	0.5
40	0.5	1.0	0.5
50	0.5	1.0	0.5
60	0.5	0.5	0.5
70	0.5	0.5	0.5
80	0.5	0.5	0.5
90	0.5	0.5	0.5
100	0.5	0.5	0.5
110	0.5	0.5	0.5
120	1.0	0.5	0.5
130	1.0	0.5	1.0
140	0.5	0.5	1.0
150	0.5	0.5	0.5
160	0.5	0.5	0.5
170	0.5	0.5	0.5
180	0.5	0.5	0.5
190	0.5	0.5	0.5
200	0.5	0.5	0.5
210	0.5	0.5	0.5
220	0.5	0.5	1.0
230	1.0	0.5	0.5
240	0.5	0.5	0.5
250	0.5	0.5	0.5
AVERAGE	0.6	0.6	0.6
MAXIMUM	1.0	1.0	1.0
MINIMUM	0.5	0.5	0.5

ALL

AVERAGE	ALL	0.6
MAXIMUM	ALL	1.0
MINIMUM	ALL	0.5

Biosolids Basin Sludge to date: .631 Million Gallons (1' depth)
Max Solids Depth=9' (5.68 Million Gallons) .631 Million Gallons of sludge/ft

TOTAL **0.38** **MG**

CAPACITY Biosolids Basin= 5.80 Million Gallons

REMAINING Capacity in Biosolids Basin= 5.42 Million Gallons

Comments Dredging and Biosolids removal was conducted between November 2021 and February 2022

EXHIBIT M

McKinleyville Community Services District
Wastewater Management Facility
Micro/2000 Chlorine Analyzer
Calibration Log

Calibration to be conducted bi-weekly unless weekly is warranted

Date	Calibrated by	Remarks
1.13.22	SM	INSPECTED ANALYZER, CONFIRMED IT WAS PRIMED 1:20
1-27-22	DS	REBUILD, NEW KI, CAL @ mg/L + 0.00 mg/L
2.3.22	SM	INSPECTED ANALYZER
2.10.22	SM	INSPECTED ANALYZER
2-17-22	JJ	Inspected/ caled w/4.2 + 0.00
2.24.22	SM	INSPECTED / calibrated with @ 3.2 mg/L + 0.00
3.3.22	SM	INSPECTED ANALYZER
3.10.22	SM	INSPECTED ANALYZER, NEW KI
3.17.22	SM	INSPECTED ANALYZER
3.24.22	SM	INSPECTED ANALYZER, CALIBRATED @ 4.5 mg/L + 0.00
3.31.22	SM	INSPECTED ANALYZER
4.7.22	SM	INSPECTED ANALYZER
4-14.22	SM	INSPECTED ANALYZER, CALIBRATED
4.21.22	SM	INSPECTED ANALYZER NEW KI, BUFFER
4.28.22	SM	INSPECTED ANALYZER
5.5.22	SM	INSPECTED ANALYZER
5.12.22	SM	INSPECTED ANALYZER
5.19.22	SM	INSPECTED ANALYZER, CALIBRATED
5.26.22	SM	INSPECTED ANALYZER, NEW KI
6.2.22	SM	INSPECTED ANALYZER, CALIBRATED TO 4.1 mg/L
6-23-22	CJ	ANALYZER NOT WORKING, WAITING ON PARTS TO REPAIR IT.
8.18.22	SM	INSPECTED ANALYZER, MADE NEW KI SOLUTION
8.25.22	SM	INSPECTED ANALYZER, CALIBRATED TO 4.1 mg/L

McKinleyville Community Services District
Wastewater Management Facility
DO Meter (Hach sensION378 / Probe 51970-88)
Calibration Log
Calibration to be conducted daily

Date	Calibrated by	Remarks
1-1-22	KS	OK
1-2-22	KS	OK
1-3-22	DS	OK
1-4-22	DS	OK
1-5-22	DS	OK
1-6-22	DS	OK
1-7-22	DS	OK
1-8-22	JJ	OK
1-9-22	JJ	OK
1-10-22	SM	OK
1-11-22	SM	OK
1-12-22	SM	OK
1-13-22	SM	OK
1-14-22	SM	OK
1-15-22	SM	OK
1-16-22	SM	OK
1-17-22	SM	OK
1-18-22	SM	OK
1-19-22	DS	OK
1-20-22	DS	OK
1-21-22	DS	OK
1-22-22	DS	OK
1-23-22	DS	OK
1-24-22	DS	OK
1-25-22	JJ	OK
1-26-22	JJ	OK
1-27-22	DS	OK
1-28-22	DS	OK
1-29-22	DS	OK
1-30-22	DS	OK
1-31-22	DS	OK
2.		

McKinleyville Community Services District
Wastewater Management Facility
DO Meter (Hach sensION378 / Probe 51970-88)
Calibration Log
Calibration to be conducted daily

Date	Calibrated by	Remarks
3-6-22	CJ	OK
3.7.22	SM	ok
3.8.22	SM	Ok
3.9.22	SM	ok
3.10.22	SM	ok
3.11.22	SM	ok
3.12.22	DS	OK
3.13.22	DS	OK
3.14.22	SM	ok
3.15.22	SM	ok
3.16.22	SM	ok
3.17.22	SM	OK
3.18.22	SM	ok
3-19-22	CJ	OK
3-20-22	CJ	OK
3-21-22	JJ	OK
3.22.22	SM	OK
3.23.22	SM	ok
3.24.22	SM	ok
3.25.22	SM	ok
3.26.22	KS	Ok
3.27.22	KS	Ok
3.28.22	SM	ok
3.29.22	SM	ok
3.30.22	SM	ok
3.31.22	SM	ok
4-2-22	JJ	OK
4.3.22	JJ	ok
4.4.22	KS	Ok
4.5.22	DS	Ok
4.6.22	DS	ok
4.7.22	SM	ok

McKinleyville Community Services District
Wastewater Management Facility
DO Meter (Hach sensION378 / Probe 51970-88)
Calibration Log
Calibration to be conducted daily

Date	Calibrated by	Remarks
4.8.22	SM	OK
4.9.22	SM	OK
4.10.22	SM	ok
4.11.22	SM	ok
4.12.22	SM	OK
4.13.22	SM	OK
4.14.22	SM	ok
4.15.22	SM	OK
4-16-22	JJ	ok
4-17-22	JJ	ok
4-18-22	SM	ok
4.19.22	SM	ok
4.20.22	SM	ok
4.21.22	SM	ok
4.22.22	SM	ok
4.23.22	DS	ok
4.24.22	DS	OK
4.25.22	SM	OK
4.26.22	SM	ok
4.27.22	SM	OK
4.28.22	SM	OK
4.29.22	SM	OK
4-30-22	CJ	ok
5.1.22	CJ	ok
5.2.22	SM	OK
5.3.22	SM	OK
5.4.22	SM	OK
5.5.22	SM	ok
5.6.22	SM	OK
5.7.22	KS	OK
5-8-22	KS	OK
5.9.22	SM	OK
5.10.22	SM	OK

McKinleyville Community Services District
Wastewater Management Facility
DO Meter (Hach sensION378 / Probe 51970-88)
Calibration Log
Calibration to be conducted daily

Date	Calibrated by	Remarks
5.11.22	SM	ok
5.12.22	SM	ok
5.13.22	SM	ok
5.16.22	SM	ok
5.17.22	SM	ok
5.18.22	SM	ok
5.19.22	SM	ok
5.20.22	SM	ok
5.23.22	CJS	ok
5.24.22	SM	ok
5.25.22	SM	ok
5.26.22	SM	ok
5-27-22	DS	ok
5-28-22	JS	ok
5-29-22	JS	ok
5-30-22	JS	ok
5.31.22	SM	ok
6-1-22	DS	ok
6.2.22	SM	ok
6.3.22	SM	ok
6.4.22	DS	ok
6-5-22	DS	ok
6-6-22	DS	ok
6-7-22	DS	ok

McKinleyville Community Services District
Wastewater Management Facility
Refrigerator Temperature Monitoring Log
Monitoring of Temperature to be conducted daily

Date	Verified by:	Temperature	Remarks
1-1-22	KS	4°	OK
1-2-22	KS	4°	OK
1-3-22	DS	4°	ok
1-4-22	DS	4°	ok
1-5-22	DS	4°	ok
1-6-22	DS	4°	ok
1-7-22	DS	4°	ok
1-8-22	JS	4°	ok
1-9-22	JS	4°	ok
1-10-22	SM	4°	ok
1-11-22	SM	4°	ok
1-12-22	SM	4°	ok
1-13-22	SM	4°	ok
1-14-22	SM	4°	ok
1-15-22	SM	4°	ok
1-16-22	SM	4°	ok
1-17-22	SM	4°	ok
1-18-22	SM	4°	ok
1-19-22	DS	4°	ok
1-20-22	DS	4°	ok
1-21-22	DS	4°	ok
1-22-22	DS	4°	ok
1-23-22	DS	4°	ok
1-24-22	DS	4°	ok
1-25-22	JS	4°	ok
1-26-22	JS	4°	ok
1-27-22	DS	4°	ok
1-28-22	DS	4°	ok
1-29-22	DS	4°	ok
1-30-22	DS	4°	ok
1-31-22	DS	4°	ok

McKinleyville Community Services District
Wastewater Management Facility
Refrigerator Temperature Monitoring Log
Monitoring of Temperature to be conducted daily

Date	Verified by:	Temperature	Remarks
2-1-22	DS	4°	OK
2-2-22	DS	4°	OK
2.3.22	SM	4°	ok
2.4.22	SM	4°	oK
2-5-22	CJ	4°	ok
2-6-22	CJ	4°	ok
2.7.22	SM	4°	oK
2.8.22	SM	4°	ok
2.9.22	SM	4°	oK
2.10.22	SM	4°	oK
2.11.22	SM	4°	ok
2-12-22	JJ	4°	ok
2-13-22	JJ	4°	ok
2.14.22	SM	4°	oK
2.15.22	SM	4°	ok
2-16-22	JJ	4°	ok
2-17-22	JJ	4°	ok
2-18-22	JJ	4°	ok
2-19-22	KS	4°	OK
2-20-22	KS	4°	OK
2-21-22	KS	4°	OK
2.22.22	SM	4°	oK
2.23.22	SM	4°	oK
2.24.22	SM	4°	oK
2.25.22	SM	4°	OK
2.26.22	SM	4°	OK
2.27.22	SM	4°	oK
2.28.22	SM	4°	ok
3.1.22	SM	4°	oK
3.2.22	SM	4°	oK
3.3.22	SM	4°	oK

McKinleyville Community Services District
Wastewater Management Facility
Refrigerator Temperature Monitoring Log
Monitoring of Temperature to be conducted daily

Date	Verified by:	Temperature	Remarks
3.4.22	SM	4°	ok
3-5-22	CJ	4°	OK
3-6-22	CJ	4°	OK
3.7.22	SM	4°	OK
3.8.22	SM	4°	OK
3.9.22	SM	4°	OK
3.10.22	SM	4°	OK
3.11.22	SM	4°	OK
3-12-22	DS	4°	OK
3.13.22	DS	4°	OK
3.14.22	SM	4°	OK
3.15.22	SM	4°	OK
3-16-22	SM	4°	OK
3.17.22	SM	4°	OK
3.18.22	SM	4°	OK
3-19-22	CJ	7°	OK
3-20-22	CJ	7°	OK
3-21-22	JJ	4°	OK adjusted
3.22.22	SM	4°	OK
3.23.22	SM	4°	OK
3.24.22	SM	4°	OK
3.25.22	SM	4°	OK
3.26.22	KS	3°	Ok
3.27.22	KS	3°	Ok
3.28.22	SM	4°	OK
3.29.22	SM	4°	ok
3.30.22	SM	4°	OK
3.31.22	SM	4°	OK
4-2-22	JJ	4°	OK
4-3-22	JJ	4°	OK

McKinleyville Community Services District
Wastewater Management Facility
Refrigerator Temperature Monitoring Log
Monitoring of Temperature to be conducted daily

Date	Verified by:	Temperature	Remarks
4-4-22	KS	4°	OK
4.5.22	DS	4°	ok
4.6.22	DS	4°	ok
4.7.22	SM	4°	ok
4.8.22	SM	4°	OK
4.9.22	SM	4°	ok
4.10.22	SM	4°	OK
4.11.22	SM	4°	ok
4.11.22	SM	4°	OK
4.12.22	SM	4°	ok
4.13.22	SM	4°	OK
4.14.22	SM	4°	ok
4.15.22	SM	4°	ok
4-16-22	JS	4°	ok
4-17-22	JS	4°	ok
4.18.22	SM	4°	ok
4.19.22	SM	4°	ok
4.20.22	SM	4°	OK
4.21.22	SM	4°	ok
4.22.22	SM	4°	ok
4.23.22	DS	4°	OK
4.24.22	DS	4°	ok
4.25.22	SM	4°	OK
4.26.22	SM	4°	OK
4.27.22	SM	4°	OK
4.28.22	SM	4°	ok
4.29.22	SM	4°	OK
4-30-22	CJ	4°	ok
5-1-22	CJ	4°	ok
5.2.22	SM	40	OK
5.3.22	SM	40	OK

McKinleyville Community Services District
Wastewater Management Facility
Refrigerator Temperature Monitoring Log
Monitoring of Temperature to be conducted daily

Date	Verified by:	Temperature	Remarks
5-4-22	SM	4°	ok
5.5.22	SM	4°	OK
5.6.22	SM	4°	ok
5-7-22	KS	41°	OK
5-8-22	OK	4°	OK
5.9.22	SM	4°	OK
5.10.22	SM	4°	OK
5.11-22	SM	4°	ok
5.12.22	SM	4°	ok
5.13.22	SM	4°	OK
5.16.22	SM	4°	ok
5.17.22	SM	4°	ok
5.18.22	SM	4°	ok
5.19.22	SM	4°	ok
5.20.22	SM	4°	ok
5-23-22	CS	4°	ok
5.24.22	SM	4°	ok
5.25.22	SM	4°	ok
5.26.22	SM	4°	ok
5-27-22	DS	4°	ok
5-28-22	JS	4°	ok
5-29-22	JS	4°	ok
5-30-22	JS	4°	ok
5.31.22	SM	4°	ok
6-1-22	DS	4°	ok
6.2.22	SM	4°	ok
6.3.22	SM	4°	ok
6-4-22	DS	4°	ok
6-5-22	DS	4°	ok
6.6.22	DS	4°	ok
6-7-22	DS	4°	OK

McKinleyville Community Services District
Wastewater Management Facility
pH Meter (Hach sensION378 / Probe 51935-00)
Calibration Log
Calibration to be conducted daily

Date	Calibrated by	Slope	Remarks
1-1-22	KS	59.5	Cleaned probe overnight Ok Changed Buffers
1-2-22	KS	59.3	ok
1-3-22	DS	59.1	ok
1-4-22	DS	58.9	ok
1-5-22	DS	59.0	ok
1-6-22	DS	58.8	ok
1-7-22	DS	58.5	ok
1-8-22	JJ	58.9	ok
1-9-22	JJ	58.7	ok
1.10.22	SM	58.6	ok
1.11.22	SM	58.5	ok
1.12.22	SM	58.4	ok
1.13.22	SM	58.3	ok
1.14.22	SM	58.3	ok
1.15.22	SM	57.0	ok
1.16.22	SM	58.3	ok
1.17.22	SM	58.2	ok
1.18.22	SM	58.2	ok
1.19.22	DS	58.4	ok
1-20-22	DS	58.2	ok
1-21-22	DS	57.9	ok
1-22-22	DS	57.8	ok
1-23-22	DS	57.9	ok
1-24-22	DS	57.8	ok
1-25-22	JJ	57.7	ok
1-26-22	JJ	57.5	ok
1-27-22	DS	59.1	ok, CHANGED BUFFERS + STORAGE
1-28-22	DS	59.1	ok
1-29-22	DS	58.9	ok
1-30-22	DS	98.7	ok
1-31-22	DS	58.9	ok

McKinleyville Community Services District
Wastewater Management Facility
pH Meter (Hach sensION378 / Probe 51935-00)
Calibration Log
Calibration to be conducted daily

Date	Calibrated by	Slope	Remarks
2-1-22	DS	58.6	ok
2-2-22	DS	58.8	ok
2-3-22	SM	58.9	ok
2-4-22	SM	58.9	ok
2-5-22	CJ	58.4	ok
2-6-22	CJ	58.3	ok
2-7-22	SM	58.8	ok
2-8-22	SM	58.7	ok
2-9-22	SM	58.5	ok
2-10-22	SM	58.4	ok
2-11-22	SM	58.2	ok
2-12-22	JS	58.2	ok
2-13-22	JS	58.2	ok
2-14-22	SM	58.3	ok
2-15-22	SM	58.5	ok
2-16-22	JS	58.2	ok
2-17-22	JS	58.2	ok
2-18-22	JS	58.1	ok
2-19-22	KS	58.6	ok
2-20-22	KS	58.0	ok
2-21-22	KS	58.0	ok
2-22-22	SM	57.9	ok
2-23-22	SM	58.1	ok
2-24-22	SM	58.1	ok
2-25-22	SM	58.0	ok
2-26-22	SM	58.0	ok
2-27-22	SM	57.8	ok
2-28-22	SM	57.7	ok
3-1-22	SM	57.8	ok
3-2-22	SM	57.4	ok
3-3-22	SM	57.4	ok

McKinleyville Community Services District
Wastewater Management Facility
pH Meter (Hach sensION378 / Probe 51935-00)
Calibration Log
Calibration to be conducted daily

Date	Calibrated by	Slope	Remarks
3.4.22	SM	57.6	ok
3-5-22	CJ	57.8	ok
3-6-22	CJ	56.9	ok
3.7.22	SM	57.5	ok
3.8.22	SM	57.2	ok
3.9.22	SM	57.4	ok
3.10.22	SM	57.4	ok
3.11.22	SM	57.3	ok
3-12-22	DS	57.3	ok
3/13/22	DS	57.1	ok
3.14.22	SM	57.1	ok
3.15.22	SM	56.6	ok
3-16-22	SM	56.8	ok
3.17.22	SM	56.5	ok
3.18.22	SM	56.9	ok
3-19-22	CJ	56.0	ok
3-20-22	CJ	56.4	ok
3-21-22	JS	56.9	ok
3.22.22	SM	56.7	ok
3.23.22	SM	56.5	ok
3.24.22	SM	56.5	ok
3.25.22	SM	56.6	ok
3.26.22	KS	56.3	ok
3.27.22	KS	58.3	cleaned Probe ok Changed Buffers
3.28.22	SM	58.4	ok
3.29.22	SM	58.2	ok
3.30.22	SM	58.1	ok
3.31.22	SM	58.4	ok
4		58.1	
4-2-22	JS	58.1	ok
4-3-22	JS	58.1	ok

McKinleyville Community Services District
Wastewater Management Facility
pH Meter (Hach sensION378 / Probe 51935-00)
Calibration Log
Calibration to be conducted daily

Date	Calibrated by	Slope	Remarks
4-4-22	KS	58.0	OK
4-5-22	DS	57.9	OK
4-6-22	DS	57.8	ok
4.7.22	SM	57.4	OK
4.8.22	SM	57.7	OK
4.9.22	SM	57.7	OK
4.10.22	SM	57.9	OK
4.11.22	SM	57.8	OK
4.12.22	SM	57.8	OK
4.13.22	SM	58.4	OK
4.14.22	SM	58.4	OK
4.15.22	SM	58.3	OK
4-16-22	JS	58.3	OK
4-17-22	JS	58.3	OK
4.18.22	SM	58.2	OK
4.19.22	SM	58.2	OK
4.20.22	SM	58.1	OK
4.21.22	SM	57.9	OK
4.22.22	SM	57.7	OK
4.23.22	DS	57.4	OK
4-24-22	DS	56.0	OK
4.25.22	SM	57.8	OK
4.26.22	SM	57.8	OK
4.27.22	SM	57.8	OK
4.28.22	SM	57.6	OK
4.29.22	SM	57.7	OK
4-30-22	CJ	57.1	OK
5-1-22	CJ	57.2	OK
5.2.22	SM	57.5	OK
5.3.22	SM	57.5	OK
5.4.22	SM	57.4	OK

McKinleyville Community Services District
Wastewater Management Facility
pH Meter (Hach sensION378 / Probe 51935-00)
Calibration Log
Calibration to be conducted daily

Date	Calibrated by	Slope	Remarks
5.5.22	SM	57.4	OK
5.6.22	SM	57.3	OK
5-7-22	KS	57.1	OK
5-8-22	KS	57.3	OK
5.9.22	SM	57.5	OK
5.10.22	SM	57.5	OK
5.11.22	SM	57.3	OK
5.12.22	SM	57.3	OK
5.13.22	SM	56.8	OK
5.16.22	SM	57.0	OK
5.17.22	SM	57.0	OK
5.18.22	SM	56.8	OK
5.19.22	SM	57.8	OK
5.20.22	SM	57.8	OK
5-23-22	CJ	57.5	ok
5.24.22	SM	57.7	OK
5.25.22	SM	57.8	OK
5.26.22	SM	57.6	OK
5-27-22	DS	57.5	OK
5-28-22	SS	57.4	OK
5-29-22	SS	57.6	OK
5-30-22	SS	57.5	OK
5.31.22	SM	57.5	OK
6-1-22	DS	57.3	OK
6.2.22	SM	57.4	OK
6.3.22	SM	57.3	OK
6-4-22	DS	57.3	OK
6-5-22	DS	57.2	ok
6-6-22	DS	57.5	ok
6-7-22	DS	57.3	OK

McKinleyville Community Services District

Refrigeration Temperature Monitoring

pH Meter (Hach sensION378/ Probe 51935-00)

DO Meter (Hach sensION378/ Probe 51935-00)

Micro 2000 Chlorine Analyzer

Log Book

June

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1						
2						
3						
4						
5						
6						
7						
8	4°	57.5	OK	CHANGED BUFFERS	–	DS
9	4°	57.4	OK	OK	OFFLINE TO REPAIR!	DS
10	4	57.2	OK	OK	OFF	JJ
11	4°	56.8	OK	OK	OFF	CJ
12	4°	56.9	OK	OK	OFF	CJ
13	4°	57.0	OK	OK	OFF	DS
14	4°	57.0	OK	OK	OFF	DS
15	4°	57.1	OK	OK	OFF- PART ORDERED	DS
16	4°	57.0	OK	OK	OFF	JJ
17	4°	57.1	OK	OK	OFF	JJ
18	4°	57.0	OK	OK	OFF	JJ
19	4°	56.8	OK	OK	OFF	JJ
20	4°	56.6	OK	OK	OFF	CJ
21	4°	56.7	OK	OK	OFF	CJ
22	4°	56.4	OK	OK	OFF	CJ
23	4°	56.4	OK	OK	OFF	CJ
24	4°	56.6	OK	OK	OFF	CJ
25	4°	56.4	OK	Cleaned PH Probe	OFF	KS
26	4°	57.3	OK	OK	OFF	KS
27	4°	56.7	OK	OK	OFF	CJ
28	4°	56.7	OK	OK	OFF	CJ
29	4°	56.5	OK	OK	OFF	CJ
30	4°	56.7	OK	OK	OFF	DS

McKinleyville Community Services District

Refrigeration Temperature Monitoring

pH Meter (Hach sensION378/ Probe 51935-00)

DO Meter (Hach sensION378/ Probe 51935-00)

Micro 2000 Chlorine Analyzer

Log Book

July

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	56.7	ok	ok	OFF UNTIL REPAIR	DS
2	4°	56.5	ok	ok	" "	SM
3	4°	56.5	ok	ok	" "	SM
4	4°	56.4	ok	ok	" "	KS
5	4	56.3	ok	ok	" "	CJ
6	4°	56.3	ok	ok	" "	SM
7	4°	56.3	ok	ok	" "	SM
8	4°	56.3	ok	ok	" "	CJ
9	4°	56.2	ok	ok	" "	CJ
10	4°	55.9	ok	ok	" "	CJ
11	4°	57.1	ok	CHANGED BUFFERS	" "	DS
12	4°	57.3	ok	ok	" "	SM
13	4°	57.2	ok	ok	" "	SM
14	4°	57.2	ok	ok	" "	SM
15	4°	57.3	ok	ok	" "	SM
16						
17						
18	4°	57.1	ok	ok	" "	JJ
19	4°	57.1	ok	ok	" "	KS
20	4°	57.2	ok	ok	" "	JJ
21	4°	57.1	ok	ok	REBUILT AND CALIBRATED!	JJ
22	4°	57.1	ok	ok	ok	JJ
23	4°	57.1	ok	ok	ok	DS
24	4°	57.0	ok	ok	ok	DS
25	4°	56.9	ok	ok	off For ccb cleaning	JJ
26	4°	57.0	ok	ok	" "	JJ
27	4°	56.9	ok	ok	" "	JJ
28	4°	56.9	ok	ok	ok/Inspected	JJ
29	4°	56.8	ok	ok	ok	JJ
30	4°	56.4	ok	ok	ok	KS
31	4°	56.0	ok	ok	ok	KS

McKinleyville Community Services District

Refrigeration Temperature Monitoring

pH Meter (Hach sensION378/ Probe 51935-00)

DO Meter (Hach sensION378/ Probe 51935-00)

Micro 2000 Chlorine Analyzer

Log Book

August

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	56.6	ok	NONE	ok	DS
2	4°	56.7	OK	NONE	OK	DS
3	4°	56.4	OK	CLEANED PROBE, NEW BUFFER - OK		DS
4	4°	57.4	ok	NONE	CAL + INSPECTION	DS
5	4°	57.4	OK	NONE	OK	DS
6	4°	57.1	OK	None	OK	JJ
7	4°	57.2	OK	None	OK	JJ
8	4°	57.0	OK	None	OK	JJ
9	4°	57.1	ok	NONE	ok	DS
10	4°	56.8	OK	NONE	OK	DS
11	4°	56.8	OK	NONE	THOROUGH INSPECTION	DS
12	4°	57.0	OK	NONE	OK	DS
13	4°	56.9	OK	NONE	OK	DS
14	4°	56.8	OK	NONE	OK	DS
15	4°	56.8	OK	NONE	OK	SM
16	4°	56.8	OK	NONE	OK	SM
17	4°	56.3	OK	NONE	OK	DS
18	4°	56.7	OK	NONE	OK	SM
19	4°	56.7	OK	NONE	OK	SM
20	4°	56.7	OK	NONE	OK	SM
21	4°	56.7	OK	NONE	OK	SM
22	4°	56.6	OK	NONE	OK	SM
23	4°	56.5	OK	NONE	OK	SM
24	4°	56.5	OK	NONE	OK	SM
25	4°	56.4	OK	NONE	OK	SM
26	4°	56.4	OK	NONE	OK	SM
27	4°	56.4	OK	None	OK	JJ
28	4°	56.5	OK	None	OK	JJ
29	4°	56.3	OK	None	OK	KS
30	4°	56.3	OK	None	OK	KS
31	4°	56.5	OK	None	OK	KS

McKinleyville Community Services District

Refrigeration Temperature Monitoring

pH Meter (Hach sensION378/ Probe 51935-00)

DO Meter (Hach sensION378/ Probe 51935-00)

Micro 2000 Chlorine Analyzer

Log Book

September

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°C	55.7	ok	ok	cal w/0.0mg/L & 2.8mg/L	KS
2	4°C	56.3	ok	ok	ok	KS
3	4°C	56.1	ok	ok	ok	CJ
4	4°C	56.0	ok	ok	ok	CJ
5	4°C	56.1	ok	ok	ok	CJ
6	4°C	56.1	ok	ok	ok	KS
7	4°C	56.2	ok	ok	ok	KS
8	4°C	56.0	ok	ok	ok	KS
9	4°C	56.1	ok	cleaned pH Probe ok changed buffers	New KI & Buffer	KS
10	4°C	58.6	ok	ok	ok	KS
11	4°C	58.5	ok	ok	ok	KS
12	4°C	58.4	ok	ok	ok	JJ
13	4°C	58.6	ok	ok	ok	JJ
14	4°C	58.4	ok	ok	ok	JJ
15	4°C	58.4	ok	ok	cal w/0.0 + 4.6mg/L	JJ
16	4°C	58.3	ok	ok	ok	JJ
17	4°C	58.3	ok	ok	ok	JJ
18	4°C	58.2	ok	ok	ok	JJ
19	4°C	58.3	ok	ok	ok	JJ
20	4°C	58.1	ok	ok	ok	JJ
21	4°C	58.0	ok	ok	ok	JJ
22	4°C	57.9	ok	ok	ok/Inspected	JJ
23	4°C	57.9	ok	ok	ok	JJ
24	4°C	57.8	ok	ok	ok	DS
25	4°C	57.9	ok	ok	ok	DS
26	4°C	57.9	ok	ok	ok	DS
27	4°C	57.7	ok	ok	ok	DS
28	4°C	57.7	ok	ok	ok	DS
29	4°C	57.6	ok	ok	CAL@2.8+0.	DS
30	4°C	57.1	ok	ok	ok	DS

McKinleyville Community Services District

Refrigeration Temperature Monitoring

pH Meter (Hach sensION378/ Probe 51935-00)

DO Meter (Hach sensION378/ Probe 51935-00)

Micro 2000 Chlorine Analyzer

Log Book

October

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	57.5	OK	GOOD	OK	SM
2	4°	57.5	OK	EXCELLENT	OK	SM
3	4°	57.3	OK	OK	OK	DS
4	4°	57.4	OK	OK	OK	DS
5	4°	57.4	OK	OK	OK	DS
6	4°	57.2	OK	OK	INSPECTED - OK	DS
7	4°	57.7	OK	CHANGED BUFFERS, CLEAN PROBES	OK	DS
8	4°	59.9	OK	OK	OK	CJ
9	4°	58.6	OK	OK	OK	CJ
10	4°	58.5	OK	OK	OK	CJ
11	4°	58.9	OK	OK		KS
12	3°	58.5	OK	OK	OK	CJ
13	3°	58.5	OK	OK	OK	CJ
14	3°	57.7	OK	OK	OK	CJ
15	3°	58.5	OK	OK	OK	CJ
16	4°	58.7	OK	OK	OK	CJ
17	4°	58.6	OK	OK	OK	CJ
18	4°	58.3	OK	OK	OK	CJ
19	4°	58.5	OK	OK	OK	CJ
20	4°	58.3	OK	OK	OK	CJ
21	3°	58.5	OK	OK	OK	CJ
22	4°	58.4	OK	OK	OK	KS
23	4°	58.4	OK	OK	OK	KS
24	4°	58.7	OK	OK	OK	SM
25	4°	58.4	OK	OK	OK	DS
26	4°	58.5	OK	OK	OK	SM
27	4°	58.4	OK	OK	OK	SM
28	4°	58.2	OK	OK	OK	SM
29	4°	58.3	OK	OK	OK	JJ
30	4°	58.3	OK	OK	OK	JJ
31	4°	58.3	OK	OK	OK	SM

McKinleyville Community Services District

Refrigeration Temperature Monitoring

pH Meter (Hach sensION378/ Probe 51935-00)

DO Meter (Hach sensION378/ Probe 51935-00)

Micro 2000 Chlorine Analyzer

Log Book

November

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	58.2	ok	ok	ok	SM
2	4°	58.1	ok	ok	ok	SM
3	4°	58.4	ok	ok	ok	SM
4	4°	58.1	ok	ok	ok	SM
5	4°	57.8	ok	ok	ok	SM
6	4°	57.4	ok	ok	ok	SM
7	3°	59.1	ok	CHANGED BUFFER SOLUTIONS	OK	CJ
8	4°	58.6	OK	OK	OK	KS
9	3°	58.9	Ok	Ok	Ok	KS
10	3°	59.0	Ok	Ok	"OFFLINE FOR SERVICE	KS
11	4°	59.1	ok	ok	" "	DS
12	4°	59.0	ok	Ok	" "	DS
13	4°	58.8	ok	ok	" "	DS
14	4°	58.9	OK	OK	Replaced Ball Valve 2pt. Cal w 0.0 & 3.6	KS
15	3°	58.9	ok	ok	ok	KS
16	4°	58.8	ok	ok	ok	DS
17	4°	58.6	OK	OK	OK	KS
18	3°	58.8	OK	OK	INSPECT	KS
19	3°	58.2	OK	OK	OK	CJ
20	3°	58.4	OK	OK	OK	CJ
21	4°	58.5	ok	ok	ok	SS
22	4°	58.4	ok	ok	ok	DS
23	4°	58.4	ok	ok	INSPECT & CAL W/S.S	DS
24	4°	58.2	ok	ok	ok	CJ
25	4°	58.2	ok	ok	ok	CJ
26	4°	58.2	ok	ok	ok	CJ
27	3°	58.0	ok	ok	ok	CJ
28	4°	58.5	ok	ok	ok	DS
29	4°	59.3	ok	ok	OK	DS
30	4°	59.1	OK	OK	OK	DS

McKinleyville Community Services District

Refrigeration Temperature Monitoring

pH Meter (Hach sensION378/ Probe 51935-00)

DO Meter (Hach sensION378/ Probe 51935-00)

Micro 2000 Chlorine Analyzer

Log Book

December

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	59.1	ok	NONE	INSPECTION: ok	DS
2	4°	59.1	ok	None	ok	JS
3	4°	58.8	ok	None	ok	KS
4	4°	58.9	ok	None	ok	KS
5	4°	58.6	ok	None	ok	JS
6	4°	58.5	ok	NONE	ok	DS
7	4°	58.9	ok	None	ok	JS
8	4°	58.6	ok	NONE	CAL@3.9 AND 0.00	DS
9	4°	58.6	ok	None	ok	JS
10	4°	58.5	ok	NONE	ok	DS
11	4°	58.6	ok	NONE	ok	DS
12	4°	58.6	ok	None	ok	JS
13	4°	58.6	ok	None	ok	JS
14	4°	58.5	ok	Changed Buffer Solutions	ok	JS
15	4°	59.5	ok	None	ok	JS
16	4°	59.3	ok	NONE	CALIBRATED 4.1/0.0	DS
17	3°	59.2	ok	None	ok	KS
18	4°	59.2	ok	None	ok	KS
19	4°	58.9	ok	NONE	ok	CJ
20	3°	58.9	ok	NONE	ok	CJ
21	4°	58.5	ok	NONE	ok	CJ
22	3°	58.7	ok	NONE	INSPECTION: ok	CJ
23	4°	58.8	ok	None	ok	JS
24	4°	58.9	ok	None	ok	JS
25	3°	58.7	ok	None	ok	JS
26	4°	58.7	ok	None	ok	JS
27	3°	58.0	ok	None	ok	CJ
28	3°	58.5	ok	NONE	ok	CJ
29	4°	58.2	ok	NONE	ok	CJ
30	4°	58.0	ok	NONE	ok	CJ
31	4°	58.4	ok	NONE	ok	SM

McKinleyville Community Services District
Wastewater Management Facility
Hach SensION+ MM156/5049 Multi-Sensor
Conductivity Calibration Log

Calibrate before each use

Date	Calibrated by	Remarks
1-3-22	DS	OK
2-1-22	DS	OK
3-1-22	DS	OK
4-4-22	JJ	ok
5-2-22	JJ	Ok
6-1-22	DS	OK
7-5-22	JJ	OK
8-1-22	DS	OK
9-6-22	DS	OK
10-3-22	DS	OK
11-1-22	DS	OK
12-1-22	DS	OK