McKinleyville Community Services District

ANNUAL WASTEWATER MANAGEMENT FACILITY MONITORING & DISCHARGE REPORT FOR 2024

NPDES No. CA0024490
WDID No. 1B820840HUM
ORDER No. R1-2018-0032 & R1-2024-0023

McKinleyville Community Services District
P.O. Box 2037
McKinleyville CA 95519
Phone: 707.839.3251
Fax: 707.839.8685
Email: pkaspari@mckinleyvillecsd.com

PHYSICAL ADDRESS:

1656 SUTTER ROAD
McKINLEYVILLE, CA 95519

MAILING ADDRESS:

P.O. BOX 2037
McKINLEYVILLE, CA 95519

McKINLEYVILLE COMMUNITY SERVICES DISTRICT

mckinleyvillecsd.com

MAIN OFFICE:

PHONE: (707) 839-3251
FAX: (707) 839-8456

PARKS & RECREATION OFFICE:

PHONE: (707) 839-9003
FAX: (707) 839-5964

January 29, 2024

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 2024

The McKinleyville Community Services District operates the wastewater collection, treatment, and disposal facilities that serve 5325 customer unit sewer connections in the unincorporated area of McKinleyville in Northern Humboldt County. The system operates under Order Number R1-2018-0032 and R1-2024-0023, 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	0.25		0.75		
Ammonia Impact Ratio	ug/L	1.0		1.0		
Bis(2-ethylhexyl) Phthalate	ug/L	1.8		3.0		
Total Chromium	ug/L	50		100		
Dichlorobromomethane	ug/L	0.56		1.4		

Table 2. Effluent Limitations for Discharge Points 003 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.				6.0	9.0
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 Decommissioned	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 2024 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 2024 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 2024 other than 1 sample in May, but resulted as a dirty sample. It was retested and was found in compliance. RWQCB was notified of the results.

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 2024 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 2024.

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 2024 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 2024 were in compliance.

Dichlorobromomethane Testing:

The effluent limitations for Dichlorobromomethane for Discharge Point 001 are listed in Table 1. There were no exceedances in 2024.

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 2024.

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

Table 3 Acute Monthly Testing for 2024

Date Collected	Test	Trout Survival	TST
1/11/2024	Monthly	100%	PASS
2/6/2024	Monthly	100%	PASS
3/5/2024	Monthly	100%	PASS
4/24/2024	Monthly	100%	PASS
5/21/2024	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. Chronic testing has been changed to Semi-annual on the new permit.

Table 4 Chronic Toxicity Testing for 2024

Dilution Water	Date	Test Species	
		Flathead minnow	
		% effect	TST

Diluted w/ Lab Control Water	December 2024	5.1% Effect	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 2024.

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 2014 through 2024. The average BOD in 2024 was 4 mg/L and continues to remain well below 30mg/L, our current limit.

Chart 1 Annual Average BOD Concentrations

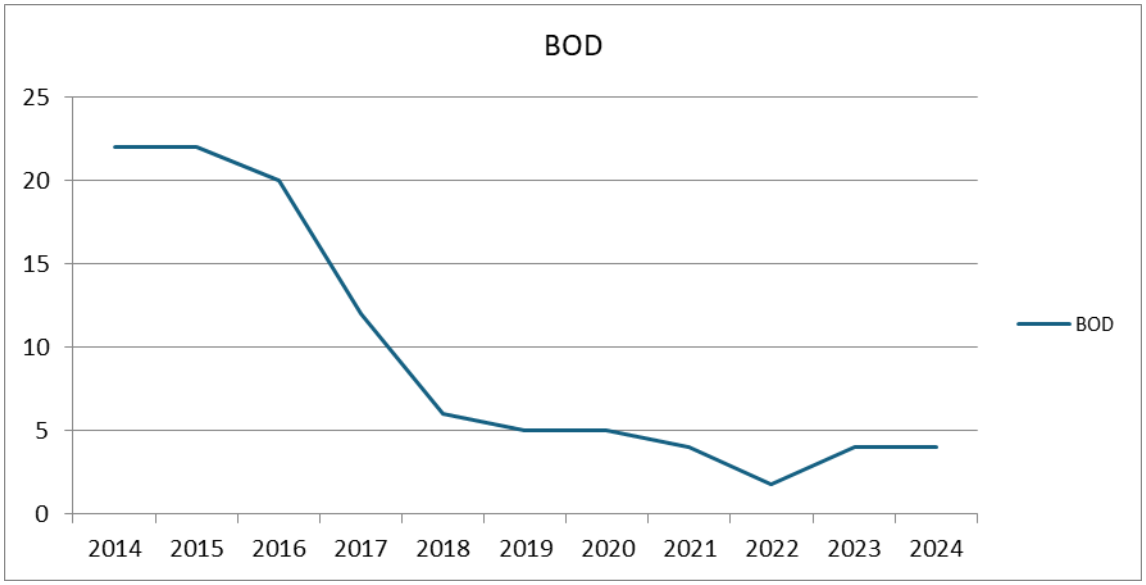


Chart 2 demonstrates average TSS concentration in mg/L from 2014 through 2024. The average TSS in 2024 was 3 mg/L and continues to remain below 30 mg/L, our current limit.

Chart 2 Annual Average TSS Concentrations

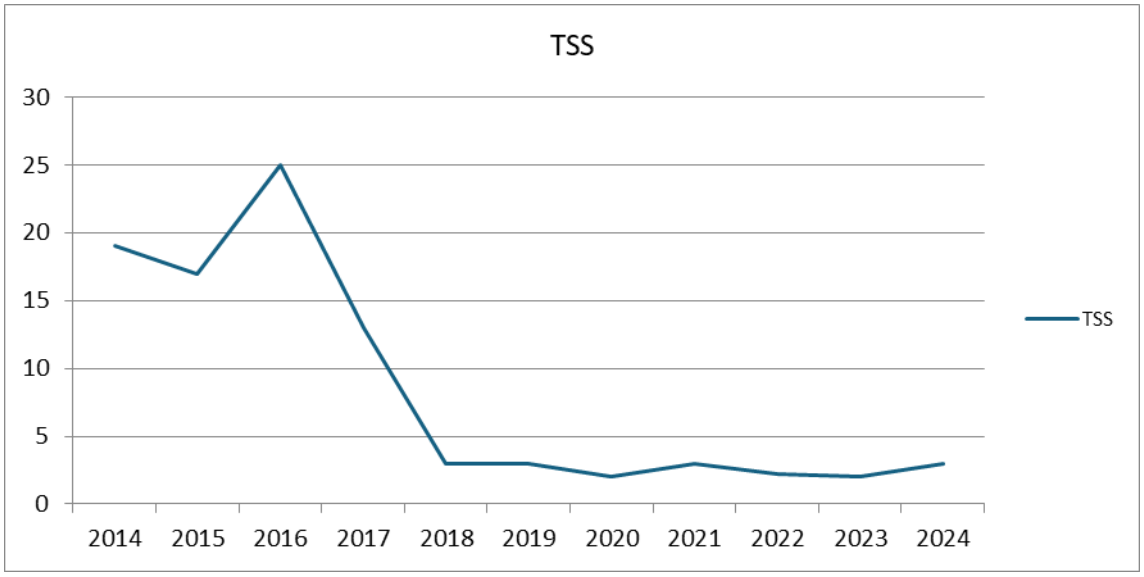
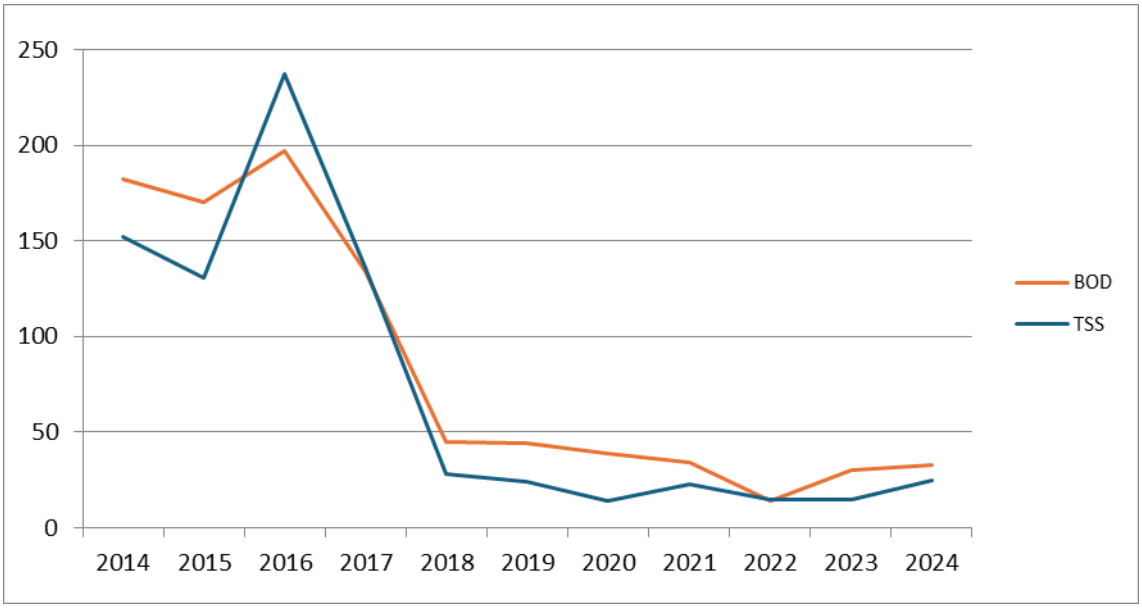


Chart 3 is the product of the flow and the concentration. It is identified as mass loading and measured in pounds per day.

Chart 3 Annual Average BOD and TSS Mass Loading



Charts 1-3 demonstrate the steady trend downward of BOD and TSS. There was a 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 2024.

Summary of Work Completed in 2024

Microrgrid Project:

A new Microgrid was installed at the WWMF in 2022. The microgrid will incorporate existing emergency diesel generation, and regular 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 and have been in operation since 2022. This project will extend into 2025 as the District and Contractor are waiting for a few punch list items to be completed.

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 expired on August 1, 2024 after which the District switched to the new 2024 permit.

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 and again in July of 2023 due to Lab not testing all constituents during the 2022 sampling.

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 44 Study was completed in 2024 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
Bill McBroome	Shift Operator/ Runs daily routines
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

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 107

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

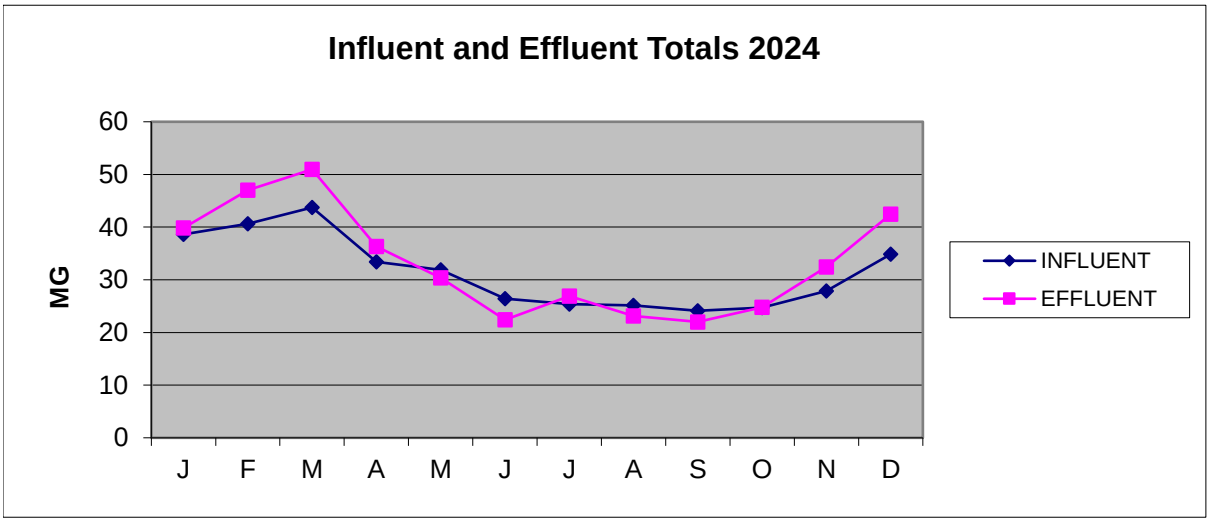
If you have any questions, please contact this office.

"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

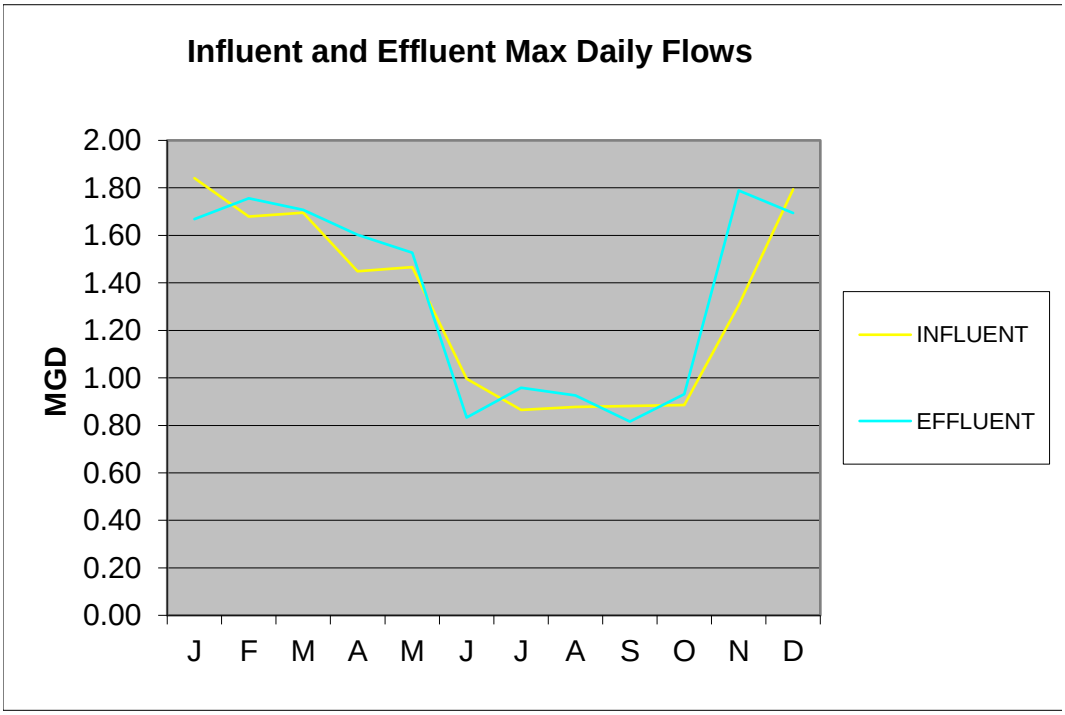
McKinleyville Community Services District
Wastewater Management Facility
Influent and Effluent Flows 2024
in MGD

DATE	INFLUENT	EFFLUENT	AVERAGE GPM
January	38.633	39.837	1229
February	40.611	47.019	1431
March	43.724	50.961	1683
April	33.416	36.308	1746
May	31.883	30.335	1078
June	26.409	22.409	885
July	25.351	26.893	982
August	25.135	23.144	899
September	24.112	22.000	850
October	24.696	24.760	871
November	27.861	32.435	1105
December	34.870	42.461	1292
Total	376.701	398.562	
Average	31.392	33.214	1171
Maximum	43.724	50.961	1746
Minimum	24.112	22.000	850



McKinleyville Community Services District
Wastewater Management Facility
Influent and Effluent Max Daily Flows in MGD
2024

DATE	INFLUENT	EFFLUENT	MAX GPM
January	1.841	1.668	1578
February	1.679	1.756	2185
March	1.695	1.707	1683
April	1.449	1.603	1746
May	1.467	1.527	1630
June	0.996	0.833	1161
July	0.865	0.959	1178
August	0.878	0.926	1134
September	0.882	0.816	1021
October	0.885	0.932	1211
November	1.306	1.789	1636
December	1.794	1.694	1501
Maximum	1.841	1.789	2185



McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY

JANUARY 2024 **EXHIBIT B**

RIVER CFS - EFFLUENT FLOWS - **M-003** **M-004** **M-005** **M-006**

RIVER DILUTION

DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	EFFLUENT MAXIMUM GPM	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	0.967	1.176	1185		1.176	822	9740	2170	16234
2	0.961	1.175	1175		1.175	676	7945	1770	13241
3	1.053	1.246	1159		1.246	871	10099	2250	16832
4	1.006	1.291	1260		1.291	965	12164	2710	20274
5	0.991	1.310	1298		1.310	799	10369	2310	17281
6	1.063	1.270	1206		1.270	752	9067	2020	15112
7	1.112	1.295	1320		1.295	888	11715	2610	19525
8	0.995	1.215	1324		1.215	668	8843	1970	14738
9	1.068	1.248	1150		1.248	847	9740	2170	16234
10	1.252	1.267	1086		1.267	2724	29580	6590	49300
11	1.143	1.329	1248		1.329	2597	32408	7220	54013
12	1.091	1.364	1323		1.364	1449	19166	4270	31944
13	1.841	1.319	1220		1.319	1957	23879	5320	39799
14	1.679	1.271	1215		1.271	8201	99647	22200	166078
15	1.428	1.337	1169		1.337	3406	39814	8870	66356
16	1.303	1.364	1165		1.364	2208	25720	5730	42866
17	1.284	1.369	1169		1.369	2120	24777	5520	41295
18	1.223	1.380	1194		1.380	1891	22578	5030	37629
19	1.159	1.377	1261		1.377	1531	19301	4300	32168
20	1.459	1.356	1212		1.356	1444	17506	3900	29176
21	1.506	1.341	1195		1.341	2964	35415	7890	59025
22	1.466	0.535	1162		0.535	2750	31959	7120	53265
23	1.394	0.000	0		0.000	N/A	29715	6620	49524
24	1.351	0.742	1196		0.742	2169	25944	5780	43240
25	1.292	1.485	1245		1.485	2163	26932	6000	44886
26	1.233	1.654	1402		1.654	1623	22757	5070	37929
27	1.255	1.668	1510		1.668	1335	20154	4490	33590
28	1.298	1.639	1578		1.639	1434	22623	5040	37704
29	1.194	1.634	1523		1.634	1320	20109	4480	33515
30	1.158	1.603	1492		1.603	1134	16922	3770	28203
31	1.408	1.577	1444		1.577	1020	14723	3280	24538
TOTAL	38.633	39.837		0.000	39.837				
AVERAGE	1.246	1.285	1229	0.000	1.285	1765	22945	5112	38242
MAXIMUM	1.841	1.668	1578	0.000	1.668	8201	99647	22200	166078
MINIMUM	0.961	0.000	0	0.000	0.000	0	7945	1770	13241
DAYS	31	30		0	30				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT

WASTEWATER MANAGEMENT FACILITY

RIVER CFS - EFFLUENT FLOWS -

M-003

M-004

M-005

M-006

FEBRUARY 2024

RIVER DILUTION

DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	EFFLUENT MAXIMUM GPM	**M-002** PERK PONDS MGD	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	1.455	1.622	1404			1.622	2660	37345	8320	62242
2	1.496	1.668	1365			1.668	2249	30702	6840	51170
3	1.434	1.683	1341			1.683	2085	27964	6230	46607
4	1.490	1.663	1485			1.663	1539	22847	5090	38078
5	1.620	1.676	1360			1.676	1904	25899	5770	43165
6	1.679	1.709	1416			1.709	2374	33620	7490	56033
7	1.624	1.730	1424			1.730	1781	25361	5650	42268
8	1.450	1.739	1634			1.739	1401	22892	5100	38153
9	1.352	1.756	1462			1.756	1262	18448	4110	30747
10	1.326	1.755	1510			1.755	1017	15351	3420	25585
11	1.341	1.740	1566			1.740	843	13196	2940	21994
12	1.253	1.451	2185			1.451	526	11491	2560	19151
13	1.210	1.079	1068			1.079	950	10144	2260	16907
14	1.321	1.184	1111			1.184	840	9336	2080	15560
15	1.450	1.468	1254			1.468	1868	23430	5220	39051
16	1.361	1.580	1333			1.580	1694	22578	5030	37629
17	1.443	1.637	1353			1.637	1453	19660	4380	32767
18	1.560	1.635	1390			1.635	1999	27784	6190	46307
19	1.606	1.652	1328			1.652	2383	31645	7050	52741
20	1.524	1.675	1410			1.675	2693	37974	8460	63289
21	1.440	1.700	1374			1.700	2329	32004	7130	53340
22	1.362	1.705	1376			1.705	1817	25002	5570	41669
23	1.314	1.692	1443			1.692	1397	20154	4490	33590
24	1.297	1.669	1429			1.669	1159	16563	3690	27605
25	1.329	1.658	1485			1.658	940	13960	3110	23266
26	1.242	1.649	1520			1.649	800	12164	2710	20274
27	1.195	1.664	1544			1.664	701	10818	2410	18029
28	1.175	1.600	1482			1.600	730	10822	2411	18037
29	1.262	1.580	1456			1.580	591	8753	1950	14588
TOTAL	39.349	45.439		0.000	0.000	47.019				
AVERAGE	1.405	1.623	1430	0.000	0.000	1.621	1517	21307	4747	35512
MAXIMUM	1.679	1.756	2185	0.000	0.000	1.756	2693	37974	8460	63289
MINIMUM	1.175	1.079	1068	0.000	0.000	1.079	526	8753	1950	14588
DAYS	29	29		0	0	29				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT

WASTEWATER MANAGEMENT FACILITY

MARCH 2024

RIVER CFS - EFFLUENT FLOWS -

M-003
M-004
M-005
M-006

RIVER DILUTION

DATE	**INF-001** INFLUENT MGD	**EFF-001** EFFLUENT MGD	EFFLUENT MAXIMUM GPM	**M-002** PERK PONDS MGD	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	1.338	1.593	1371			1.593	1254	17191	3830	28652
2	1.463	1.608	1288			1.608	1952	25136	5600	41894
3	1.559	1.661	1419			1.661	1512	21456	4780	35759
4	1.478	1.688	1393			1.688	1466	20423	4550	34039
5	1.695	1.671	1354			1.671	1455	19705	4390	32842
6	1.656	1.669	1332			1.669	3366	44841	9990	74735
7	1.468	1.703	1370			1.703	2585	35415	7890	59025
8	1.364	1.697	1411			1.697	1950	27515	6130	45859
9	1.397	1.687	1337			1.687	1742	23296	5190	38826
10	1.514	1.611	1409			1.611	1545	21770	4850	36283
11	1.495	1.622	1342			1.622	1866	25046	5580	41744
12	1.484	1.704	1352			1.704	1760	23790	5300	39649
13	1.404	1.707	1510			1.707	1623	24508	5460	40846
14	1.342	1.693	1471			1.693	1452	21366	4760	35610
15	1.310	1.673	1453			1.673	1279	18583	4140	30971
16	1.286	1.652	1489			1.652	1142	17012	3790	28353
17	1.278	1.642	1539			1.642	1009	15531	3460	25884
18	1.256	1.581	1683			1.581	875	14723	3280	24538
19	1.203	1.595	1456			1.595	980	14274	3180	23790
20	1.199	1.596	1584			1.596	867	13735	3060	22892
21	1.172	1.525	1372			1.525	880	12074	2690	20124
22	1.203	1.480	1372			1.480	821	11266	2510	18777
23	1.329	1.544	1323			1.544	1415	18717	4170	31196
24	1.607	1.592	1377			1.592	2676	36851	8210	61419
25	1.506	1.656	1363			1.656	2236	30478	6790	50796
26	1.390	1.676	1515			1.676	1523	23071	5140	38452
27	1.376	1.670	1514			1.670	1302	19705	4390	32842
28	1.584	1.677	1438			1.677	2066	29715	6620	49524
29	1.529	1.693	1428			1.693	1905	27201	6060	45335
30	1.435	1.706	1581			1.706	1403	22174	4940	36956
31	1.404	1.689	1496			1.689	1203	17999	4010	29999
TOTAL	43.724	50.961		0.000	0.000	50.961				
AVERAGE	1.410	1.644	1430	0.000	0.000	1.644	1584	22405	4992	37342
MAXIMUM	1.695	1.707	1683	0.000	0.000	1.707	3366	44841	9990	74735
MINIMUM	1.172	1.480	1288	0.000	0.000	1.480	821	11266	2510	18777
DAYS	31	31		0	0	31				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT

WASTEWATER MANAGEMENT FACILITY

APRIL 2024

RIVER CFS - EFFLUENT FLOWS -

RIVER DILUTION

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	1.449	1.181	1307			1.181	1116	14588	3250	24313
2	1.260	1.600	1506			1.600	817	12299	2740	20498
3	1.250	1.603	1472			1.603	756	11132	2480	18553
4	1.246	1.515	1424			1.515	687	9785	2180	16309
5	1.200	1.573	1445			1.573	587	8483	1890	14139
6	1.208	1.480	1346			1.480	544	7316	1630	12194
7	1.244	1.521	1432			1.521	451	6464	1440	10773
8	1.174	0.877	1362			0.877	409	5566	1240	9276
9	1.153	0.000	0		Washed CCB		0	4848	1080	8079
10	1.123	0.693	1746			0.693	260	4533	1010	7556
11	1.117	1.282	1106			1.282	378	4179	931	6965
12	1.109	1.378	1256			1.378	313	3928	875	6546
13	1.136	1.481	1350			1.481	289	3896	868	6494
14	1.167	1.446	1310			1.446	401	5252	1170	8753
15	1.099	1.495	1442			1.495	414	5970	1330	9950
16	1.083	1.394	1348			1.394	353	4758	1060	7930
17	1.054	1.421	1369			1.421	303	4147	924	6912
18	1.053	1.338	1282			1.338	309	3959	882	6598
19	1.023	1.361	1296			1.361	284	3685	821	6142
20	1.017	1.279	1243			1.279	278	3461	771	5768
21	1.083	1.224	1201			1.224	266	3200	713	5334
22	1.035	1.128	1210			1.128	248	3003	669	5005
23	1.017	0.979	1118			0.979	258	2882	642	4803
24	1.016	0.962	1121			0.962	232	2599	579	4331
25	1.005	0.912	1057			0.912	237	2509	559	4182
26	1.021	1.118	1217			1.118	235	2855	636	4758
27	1.025	1.070	1119			1.070	469	5252	1170	8753
28	1.064	0.984	1061			0.984	342	3627	808	6045
29	0.996	1.017	1138			1.017	273	3102	691	5169
30	0.989	0.996	1100			0.996	251	2760	615	4601
TOTAL	33.416	36.308		0.000	0.000	36.308				
AVERAGE	1.114	1.210	1246	0.000	0.000	1.252	392	5335	1188	8891
MAXIMUM	1.449	1.603	1746	0.000	0.000	1.603	1116	14588	3250	24313
MINIMUM	0.989	0.000	0	0.000	0.000	0.693	0	2509	559	4182
DAYS	30	29		0	0	29				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT

WASTEWATER MANAGEMENT FACILITY

MAY 2024

RIVER CFS - EFFLUENT FLOWS -

M-003
M-004
M-005

RIVER DILUTION

DATE	INF-001 INFLUENT MGD	EFF-001 EFFLUENT MGD	EFFLUENT MAXIMUM GPM	M-002 PERK PONDS MGD	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	0.962	0.926	1092			0.926	288	3142	700	5237
2	0.989	0.920	1068			0.920	275	2940	655	4900
3	1.001	1.032	1630			1.032	186	3030	675	5050
4	1.467	1.306	1167			1.306	1054	12299	2740	20498
5	1.354	1.485	1548			1.485	1070	16563	3690	27605
6	1.220	1.527	1383			1.527	789	10907	2430	18179
7	1.156	1.423	1427			1.423	645	9202	2050	15336
8	1.135	1.400	1505			1.400	483	7272	1620	12119
9	1.094	1.314	1336			1.314	454	6060	1350	10099
10	1.067	1.347	1345			1.347	407	5476	1220	9127
11	1.078	1.234	1220			1.234	412	5027	1120	8379
12	1.095	1.023	1094			1.023	401	4390	978	7316
13	1.071	0.956	1087			0.956	358	3892	867	6486
14	1.040	0.899	1146			0.899	318	3645	812	6075
15	1.023	0.810	936	Discharge to Land			0	0		0
16	1.006	0.825	970				0	0		0
17	0.982	0.813	1010				0	0		0
18	0.980	0.737	760				0	0		0
19	1.023	0.731	714				0	0		0
20	0.981	0.835	945				0	0		0
21	0.953	0.836	968				0	0		0
22	0.949	0.834	964				0	0		0
23	0.928	0.822	970				0	0		0
24	0.922	0.826	989				0	0		0
25	0.909	0.719	758				0	0		0
26	0.906	0.720	755				0	0		0
27	0.987	0.719	719				0	0		0
28	0.933	0.831	967				0	0		0
29	0.889	0.833	996				0	0		0
30	0.899	0.825	973				0	0		0
31	0.884	0.827	988				0	0		0
TOTAL	31.883	30.335		0.000	0.000	16.792				
AVERAGE	1.028	0.979	1078	0.000	0.000	1.199	230	3027	1493	5045
MAXIMUM	1.467	1.527	1630	0.000	0.000	1.527	1070	16563	3690	27605
MINIMUM	0.884	0.719	714	0.000	0.000	0.899	0	0	655	0
DAYS	31	31		0	0	14				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 17

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY

NOVEMBER 2024

RIVER CFS - EFFLUENT FLOWS -

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	0		0
2							0	0		0
3							0	0		0
4							0	0		0
5							0	0		0
6							0	0		0
7							0	0		0
8							0	0		0
9							0	0		0
10							0	0		0
11							0	0		0
12							0	0		0
13							0	0		0
14							0	0		0
15							0	0		0
16							0	0		0
17							0	0		0
18	0.859	0.941	1098			0.941	585	6419	1430	10698
19	0.824	1.184	1316			1.184	298	3923	874	6538
20	0.985	1.183	1242			1.183	239	2962	660	4937
21	1.306	1.567	1475			1.567	4839	71369	15900	118948
22	1.274	1.789	1636			1.789	5487	89772	20000	149620
23	1.152	1.575	1433			1.575	2994	42911	9560	71518
24	1.105	1.446	1365			1.446	1934	26393	5880	43988
25	1.119	1.433	1336			1.433	1525	20378	4540	33964
26	1.112	1.524	1414			1.524	1628	23027	5130	38378
27	1.034	1.395	1304			1.395	1432	18673	4160	31121
28	1.032	1.391	1358			1.391	1051	14274	3180	23790
29	0.948	1.339	1345			1.339	798	10728	2390	17880
30	0.943	1.297	1329			1.297	632	8394	1870	13989
TOTAL	13.693	18.064		0.000	0.000	18.064				
AVERAGE	1.053	1.390	1358	0.000	0.000	1.390	781	11307	5813	18846
MAXIMUM	1.306	1.789	1636	0.000	0.000	1.789	5487	89772	20000	149620
MINIMUM	0.824	0.941	1098	0.000	0.000	0.941	0	0	660	0
DAYS	13	13		0	0	13				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 17

McKINLEYVILLE COMMUNITY SERVICES DISTRICT

WASTEWATER MANAGEMENT FACILITY

DECEMBER 2024

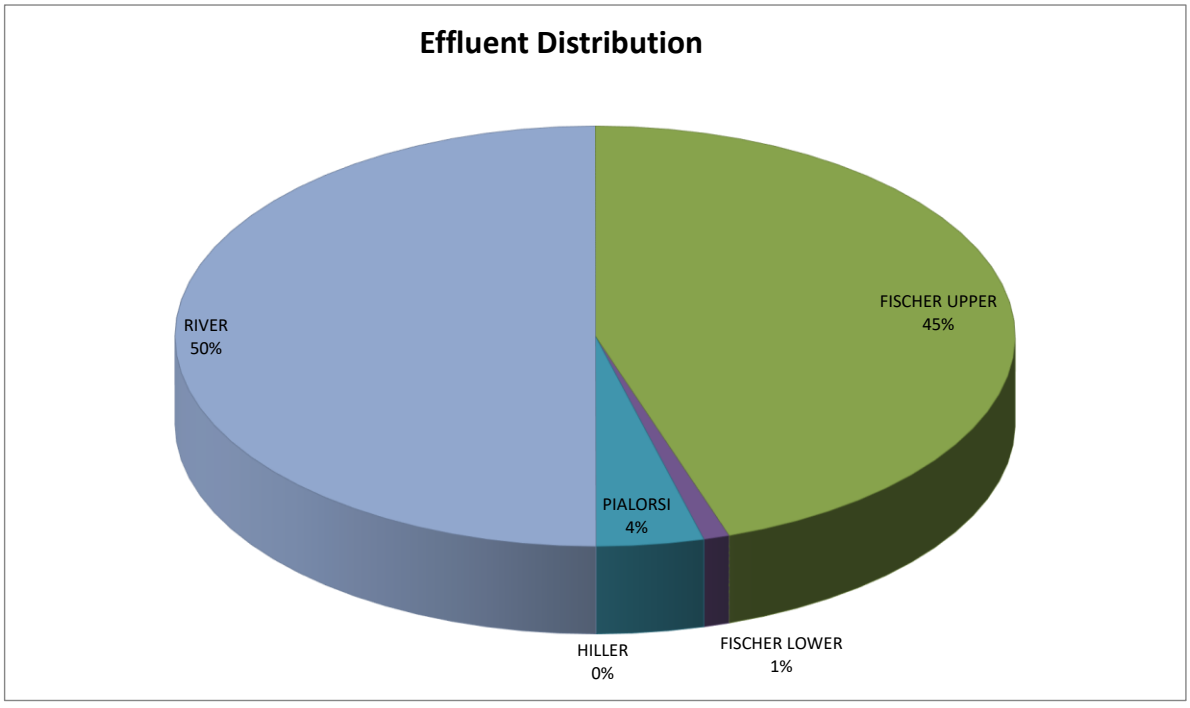
RIVER CFS - EFFLUENT FLOWS -

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	1.036	1.366	1290			1.366	515	6643	1480	11072
2	0.974	1.328	1299			1.328	415	5386	1200	8977
3	0.928	1.276	1249			1.276	358	4466	995	7444
4	0.927	1.301	1311			1.301	289	3793	845	6321
5	0.902	1.259	1238			1.259	265	3286	732	5476
6	0.899	1.262	1291			1.262	235	3034	676	5057
7	0.921	1.215	1195			1.215	225	2684	598	4474
8	0.982	1.223	1239			1.223	201	2496	556	4159
9	0.916	1.273	1314			1.273	172	2258	503	3763
10	0.891	1.207	1225			1.207	167	2047	456	3411
11	0.891	1.176	1226			1.176	155	1903	424	3172
12	0.983	1.273	1216			1.273	263	3200	713	5334
13	1.076	1.238	1287			1.238	589	7586	1690	12643
14	1.249	1.338	1113			1.338	3218	35819	7980	59698
15	1.190	1.415	1328			1.415	2238	29715	6620	49524
16	1.169	1.482	1401			1.482	1451	20333	4530	33889
17	1.098	1.364	1258			1.364	1488	18717	4170	31196
18	1.078	1.442	1362			1.442	1061	14453	3220	24089
19	1.055	1.315	1263			1.315	924	11670	2600	19451
20	1.016	1.375	1354			1.375	716	9695	2160	16159
21	1.062	1.308	1200			1.308	707	8483	1890	14139
22	1.073	1.234	1214			1.234	810	9830	2190	16383
23	1.134	1.292	1226			1.292	802	9830	2190	16383
24	1.552	1.385	1200			1.385	4414	52965	11800	88276
25	1.240	1.495	1341			1.495	2433	32632	7270	54387
26	1.254	1.511	1381			1.511	1651	22802	5080	38003
27	1.348	1.556	1307			1.556	3537	46233	10300	77054
28	1.375	1.598	1421			1.598	3633	51619	11500	86032
29	1.794	1.595	1409			1.595	5989	84386	18800	140643
30	1.488	1.665	1383			1.665	5225	72266	16100	120444
31	1.369	1.694	1501			1.694	2461	36941	8230	61569
TOTAL	34.870	42.461		0.000	0.000	42.461				
AVERAGE	1.125	1.370	1292	0.000	0.000	1.370	1503	19909	4435	33181
MAXIMUM	1.794	1.694	1501	0.000	0.000	1.694	5989	84386	18800	140643
MINIMUM	0.891	1.176	1113	0.000	0.000	1.176	155	1903	424	3172
DAYS	31	31		0	0	31				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL TOTALS 2024

Dischrange Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT 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	38.6	39.8	0.0	0.0	0.0	0.0	0.0	39.8
FEBRUARY	40.6	47.0	0.0	0.0	0.0	0.0	0.0	47.0
MARCH	43.7	51.0	0.0	0.0	0.0	0.0	0.0	51.0
APRIL	33.4	36.3	0.0	0.0	0.0	0.0	0.0	36.3
MAY	31.9	30.3	11.0	0.0	3.0	0.0	14.1	16.3
JUNE	26.4	22.4	21.4	0.0	1.0	0.0	22.4	0.0
JULY	25.4	26.9	24.4	0.8	1.7	0.0	26.9	0.0
AUGUST	25.1	23.1	19.8	1.0	2.3	0.0	23.1	0.0
SEPTEMBER	24.1	22.0	18.9	1.2	1.9	0.0	22.0	0.0
OCTOBER	24.7	24.8	23.1	0.0	1.6	0.0	24.8	0.0
NOVEMBER	27.9	32.4	14.1	0.0	0.7	0.0	14.9	17.6
DECEMBER	34.9	42.5	0.0	0.0	0.0	0.0	0.0	42.5
Totals	376.7	398.6	132.9	3.0	12.2	0.0	148.2	250.5



McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL | JANUARY 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	0.967	1.176	1185					0.000	1.176
2	0.961	1.175	1175					0.000	1.175
3	1.053	1.246	1159					0.000	1.246
4	1.006	1.291	1260					0.000	1.291
5	0.991	1.310	1298					0.000	1.310
6	1.063	1.270	1206					0.000	1.270
7	1.112	1.295	1320					0.000	1.295
8	0.995	1.215	1324					0.000	1.215
9	1.068	1.248	1150					0.000	1.248
10	1.252	1.267	1086					0.000	1.267
11	1.143	1.329	1248					0.000	1.329
12	1.091	1.364	1323					0.000	1.364
13	1.841	1.319	1220					0.000	1.319
14	1.679	1.271	1215					0.000	1.271
15	1.428	1.337	1169					0.000	1.337
16	1.303	1.364	1165					0.000	1.364
17	1.284	1.369	1169					0.000	1.369
18	1.223	1.380	1194					0.000	1.380
19	1.159	1.377	1261					0.000	1.377
20	1.459	1.356	1212					0.000	1.356
21	1.506	1.341	1195					0.000	1.341
22	1.466	0.535	1162					0.000	0.535
23	1.394	0.000	0					0.000	0.000
24	1.351	0.742	1196					0.000	0.742
25	1.292	1.485	1245					0.000	1.485
26	1.233	1.654	1402					0.000	1.654
27	1.255	1.668	1510					0.000	1.668
28	1.298	1.639	1578					0.000	1.639
29	1.194	1.634	1523					0.000	1.634
30	1.158	1.603	1492					0.000	1.603
31	1.408	1.577	1444					0.000	1.577
TOTAL	38.633	39.837		0.000	0.000	0.000	0.000	0.000	39.837
AVERAGE	1.246	1.285	1229	0.000	0.000	0.000	0.000	0.000	1.285
MAXIMUM	1.841	1.668	1578	0.000	0.000	0.000	0.000	0.000	1.668
MINIMUM	0.961	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000
DAYS	31	30		0	0	0	0	0	30

DAYS WITH NO DISCHARGE = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL

February 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	1.455	1.622	1404					0.000	1.622
2	1.496	1.668	1365					0.000	1.668
3	1.434	1.683	1341					0.000	1.683
4	1.490	1.663	1485					0.000	1.663
5	1.620	1.676	1360					0.000	1.676
6	1.679	1.709	1416					0.000	1.709
7	1.624	1.730	1424					0.000	1.730
8	1.450	1.739	1634					0.000	1.739
9	1.352	1.756	1462					0.000	1.756
10	1.326	1.755	1510					0.000	1.755
11	1.341	1.740	1566					0.000	1.740
12	1.253	1.451	2185					0.000	1.451
13	1.210	1.079	1068					0.000	1.079
14	1.321	1.184	1111					0.000	1.184
15	1.450	1.468	1254					0.000	1.468
16	1.361	1.580	1333					0.000	1.580
17	1.443	1.637	1353					0.000	1.637
18	1.560	1.635	1390					0.000	1.635
19	1.606	1.652	1328					0.000	1.652
20	1.524	1.675	1410					0.000	1.675
21	1.440	1.700	1374					0.000	1.700
22	1.362	1.705	1376					0.000	1.705
23	1.314	1.692	1443					0.000	1.692
24	1.297	1.669	1429					0.000	1.669
25	1.329	1.658	1485					0.000	1.658
26	1.242	1.649	1520					0.000	1.649
27	1.195	1.664	1544					0.000	1.664
28	1.175	1.600	1482					0.000	1.600
29	1.262	1.580	1456					0.000	1.580
TOTAL	40.611	47.019		0.000	0.000	0.000	0.000	0.000	47.019
AVERAGE	1.400	1.621	1431	0.000	0.000	0.000	0.000	0.000	1.621
MAXIMUM	1.679	1.756	2185	0.000	0.000	0.000	0.000	0.000	1.756
MINIMUM	1.175	1.079	1068	0.000	0.000	0.000	0.000	0.000	1.079
DAYS	29	29		0	0	0	0	0	0

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL March 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	1.338	1.593	1371					0.000	1.593
2	1.463	1.608	1288					0.000	1.608
3	1.559	1.661	1419					0.000	1.661
4	1.478	1.688	1393					0.000	1.688
5	1.695	1.671	1354					0.000	1.671
6	1.656	1.669	1332					0.000	1.669
7	1.468	1.703	1370					0.000	1.703
8	1.364	1.697	1411					0.000	1.697
9	1.397	1.687	1337					0.000	1.687
10	1.514	1.611	1409					0.000	1.611
11	1.495	1.622	1342					0.000	1.622
12	1.484	1.704	1352					0.000	1.704
13	1.404	1.707	1510					0.000	1.707
14	1.342	1.693	1471					0.000	1.693
15	1.310	1.673	1453					0.000	1.673
16	1.286	1.652	1489					0.000	1.652
17	1.278	1.642	1539					0.000	1.642
18	1.256	1.581	1683					0.000	1.581
19	1.203	1.595	1456					0.000	1.595
20	1.199	1.596	1584					0.000	1.596
21	1.172	1.525	1372					0.000	1.525
22	1.203	1.480	1372					0.000	1.480
23	1.329	1.544	1323					0.000	1.544
24	1.607	1.592	1377					0.000	1.592
25	1.506	1.656	1363					0.000	1.656
26	1.390	1.676	1515					0.000	1.676
27	1.376	1.670	1514					0.000	1.670
28	1.584	1.677	1438					0.000	1.677
29	1.529	1.693	1428					0.000	1.693
30	1.435	1.706	1581					0.000	1.706
31	1.404	1.689	1496					0.000	1.689
TOTAL	43.724	50.961		0.000	0.000	0.000	0.000	0.000	50.961
AVERAGE	1.410	1.644	1430	0.000	0.000	0.000	0.000	0.000	1.644
MAXIMUM	1.695	1.707	1683	0.000	0.000	0.000	0.000	0.000	1.707
MINIMUM	1.172	1.480	1288	0.000	0.000	0.000	0.000	0.000	1.480
DAYS	31	31		0	0	0	0	0	0

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL

April 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	1.449	1.181	1307					0.000	1.181
2	1.260	1.600	1506					0.000	1.600
3	1.250	1.603	1472					0.000	1.603
4	1.246	1.515	1424					0.000	1.515
5	1.200	1.573	1445					0.000	1.573
6	1.208	1.480	1346					0.000	1.480
7	1.244	1.521	1432					0.000	1.521
8	1.174	0.877	1362					0.000	0.877
9	1.153	0.000	0	Washed CCB No Discharge				0.000	0.000
10	1.123	0.693	1746					0.000	0.693
11	1.117	1.282	1106					0.000	1.282
12	1.109	1.378	1256					0.000	1.378
13	1.136	1.481	1350					0.000	1.481
14	1.167	1.446	1310					0.000	1.446
15	1.099	1.495	1442					0.000	1.495
16	1.083	1.394	1348					0.000	1.394
17	1.054	1.421	1369					0.000	1.421
18	1.053	1.338	1282					0.000	1.338
19	1.023	1.361	1296					0.000	1.361
20	1.017	1.279	1243					0.000	1.279
21	1.083	1.224	1201					0.000	1.224
22	1.035	1.128	1210					0.000	1.128
23	1.017	0.979	1118					0.000	0.979
24	1.016	0.962	1121					0.000	0.962
25	1.005	0.912	1057					0.000	0.912
26	1.021	1.118	1217					0.000	1.118
27	1.025	1.070	1119					0.000	1.070
28	1.064	0.984	1061					0.000	0.984
29	0.996	1.017	1138					0.000	1.017
30	0.989	0.996	1100					0.000	0.996
TOTAL	33.416	36.308		0.000	0.000	0.000	0.000	0.000	36.308
AVERAGE	1.114	1.210	1246	0.000	0.000	0.000	0.000	0.000	1.210
MAXIMUM	1.449	1.603	1746	0.000	0.000	0.000	0.000	0.000	1.603
MINIMUM	0.989	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000
DAYS	30	29		0	0	0	0	0	29

DAYS WITH NO DISCHARGE = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL May 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	0.962	0.926	1092					0.000	0.926
2	0.989	0.920	1068					0.000	0.920
3	1.001	1.032	1630					0.000	1.032
4	1.467	1.306	1167					0.000	1.306
5	1.354	1.485	1548					0.000	1.485
6	1.220	1.527	1383					0.000	1.527
7	1.156	1.423	1427					0.000	1.423
8	1.135	1.400	1505					0.000	1.400
9	1.094	1.314	1336					0.000	1.314
10	1.067	1.347	1345					0.000	1.347
11	1.078	1.234	1220					0.000	1.234
12	1.095	1.023	1094					0.000	1.023
13	1.071	0.956	1087					0.000	0.956
14	1.040	0.899	1146	0.459	Shut Down River Discharge			0.459	0.440
15	1.023	0.810	936	0.741		0.069		0.810	0.000
16	1.006	0.825	970	0.531		0.294		0.825	0.000
17	0.982	0.813	1010	0.624		0.189		0.813	0.000
18	0.980	0.737	760	0.737				0.737	0.000
19	1.023	0.731	714	0.731				0.731	0.000
20	0.981	0.835	945	0.545		0.290		0.835	0.000
21	0.953	0.836	968	0.558		0.278		0.836	0.000
22	0.949	0.834	964	0.582		0.252		0.834	0.000
23	0.928	0.822	970	0.527		0.295		0.822	0.000
24	0.922	0.826	989	0.570		0.256		0.826	0.000
25	0.909	0.719	758	0.719				0.720	0.000
26	0.906	0.720	755	0.720				0.719	0.000
27	0.987	0.719	719	0.719				0.831	0.000
28	0.933	0.831	967	0.543		0.288		0.831	0.000
29	0.889	0.833	996	0.598		0.235		0.833	0.000
30	0.899	0.825	973	0.575		0.250		0.825	0.000
31	0.884	0.827	988	0.570		0.257		0.827	0.000
TOTAL	31.883	30.335		11.049	0.000	2.953	0.000	14.114	16.333
AVERAGE	1.028	0.979	1078	0.000	0.000	0.000	0.000	0.455	0.527
MAXIMUM	1.467	1.527	1630	0.741	0.000	0.295	0.000	0.836	1.527
MINIMUM	0.884	0.719	714	0.459	0.000	0.069	0.000	0.000	0.000
DAYS	31	31		18	0	12	0	18	14

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL | June 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	0.879	0.724	732	0.724				0.724	0.000
2	0.952	0.719	814	0.719				0.719	0.000
3	0.996	0.790	1161	0.669		0.121		0.790	0.000
4	0.943	0.833	1027	0.708		0.125		0.833	0.000
5	0.908	0.804	957	0.648		0.156		0.804	0.000
6	0.909	0.810	979	0.652		0.158		0.810	0.000
7	0.898	0.803	957	0.638		0.165		0.803	0.000
8	0.895	0.727	886	0.727				0.727	0.000
9	0.902	0.710	863	0.710				0.710	0.000
10	0.904	0.720	972	0.593		0.127		0.720	0.000
11	0.902	0.819	1011	0.691		0.128		0.819	0.000
12	0.892	0.813	984	0.813				0.813	0.000
13	0.890	0.727	901	0.727				0.727	0.000
14	0.903	0.710	771	0.710				0.710	0.000
15	0.865	0.700	817	0.700				0.700	0.000
16	0.866	0.702	823	0.702				0.702	0.000
17	0.903	0.705	842	0.705				0.705	0.000
18	0.879	0.706	818	0.706				0.706	0.000
19	0.867	0.698	868	0.698				0.698	0.000
20	0.861	0.703	790	0.703				0.703	0.000
21	0.850	0.704	760	0.704				0.704	0.000
22	0.829	0.706	858	0.706				0.706	0.000
23	0.848	0.690	856	0.690				0.690	0.000
24	0.882	0.713	842	0.713				0.713	0.000
25	0.846	0.777	834	0.777				0.770	0.000
26	0.838	0.770	839	0.770				0.774	0.000
27	0.839	0.774	872	0.774				0.779	0.000
28	0.826	0.779	875	0.779				0.779	0.000
29	0.816	0.785	926	0.785				0.785	0.000
30	0.821	0.788	925	0.788				0.788	0.000
TOTAL	26.409	22.409		21.429	0.000	0.980	0.000	22.411	0.000
AVERAGE	0.880	0.747	885	0.000	0.000	0.000	0.000	0.747	0.000
MAXIMUM	0.996	0.833	1161	0.813	0.000	0.165	0.000	0.833	0.000
MINIMUM	0.816	0.690	732	0.593	0.000	0.121	0.000	0.690	0.000
DAYS	30	30		30	0	7	0	30	0

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL July 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	0.861	0.790	798	0.790				0.790	0.000
2	0.830	0.783	794	0.783				0.783	0.000
3	0.828	0.775	864	0.775				0.775	0.000
4	0.822	0.834	936	0.834				0.834	0.000
5	0.785	0.843	823	0.843				0.843	0.000
6	0.798	0.835	904	0.835				0.835	0.000
7	0.831	0.845	899	0.845				0.845	0.000
8	0.865	0.840	802	0.786		0.054		0.840	0.000
9	0.826	0.959	985	0.858	0.065	0.036		0.959	0.000
10	0.821	0.942	1113	0.776	0.058	0.108		0.942	0.000
11	0.810	0.897	1178	0.730	0.066	0.101		0.897	0.000
12	0.815	0.875	1096	0.779		0.096		0.875	0.000
13	0.794	0.774	793	0.774				0.774	0.000
14	0.811	0.775	782	0.775				0.775	0.000
15	0.850	0.887	1105	0.746	0.042	0.099		0.887	0.000
16	0.803	0.935	1101	0.770	0.050	0.115		0.935	0.000
17	0.817	0.949	1120	0.809	0.045	0.095		0.949	0.000
18	0.815	0.916	1101	0.776	0.047	0.093		0.916	0.000
19	0.800	0.946	1104	0.807	0.041	0.098		0.946	0.000
20	0.803	0.779	844	0.779				0.779	0.000
21	0.845	0.785	813	0.785				0.785	0.000
22	0.836	0.920	1128	0.774	0.045	0.101		0.920	0.000
23	0.802	0.917	1100	0.770	0.044	0.103		0.917	0.000
24	0.805	0.924	1123	0.778	0.049	0.097		0.924	0.000
25	0.806	0.930	1075	0.793	0.042	0.095		0.930	0.000
26	0.794	0.916	1078	0.766	0.048	0.102		0.916	0.000
27	0.790	0.788	831	0.788				0.788	0.000
28	0.842	0.776	805	0.776				0.776	0.000
29	0.823	0.905	1108	0.750	0.044	0.111		0.905	0.000
30	0.815	0.918	1126	0.763	0.047	0.108		0.918	0.000
31	0.808	0.935	1119	0.780	0.046	0.109		0.935	0.000
TOTAL	25.351	26.893		24.393	0.779	1.721	0.000	26.893	0.000
AVERAGE	0.818	0.868	982	0.000	0.000	0.000	0.000	0.868	0.000
MAXIMUM	0.865	0.959	1178	0.858	0.066	0.115	0.000	0.959	0.000
MINIMUM	0.785	0.774	782	0.730	0.041	0.036	0.000	0.774	0.000
DAYS	31	31		31	16	18	0	0	0

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL August 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	0.916	1134	0.754	0.048	0.114		0.916	0.000
2	0.804	0.926	1094	0.756	0.052	0.118		0.926	0.000
3	0.788	0.774	800	0.774				0.774	0.000
4	0.831	0.778	844	0.778				0.778	0.000
5	0.824	0.894	1040	0.752	0.046	0.096		0.894	0.000
6	0.813	0.863	973	0.697	0.049	0.117		0.863	0.000
7	0.805	0.823	970	0.656	0.047	0.120		0.823	0.000
8	0.807	0.811	1044	0.648	0.045	0.118		0.811	0.000
9	0.792	0.637	676	0.637				0.637	0.000
10	0.782	0.641	700	0.641				0.641	0.000
11	0.831	0.638	700	0.638				0.638	0.000
12	0.827	0.805	1055	0.637	0.055	0.113		0.805	0.000
13	0.795	0.815	1066	0.644	0.052	0.119		0.815	0.000
14	0.807	0.780	990	0.606	0.053	0.121		0.780	0.000
15	0.795	0.772	975	0.607	0.048	0.117		0.772	0.000
16	0.781	0.762	939	0.601	0.050	0.111		0.762	0.000
17	0.788	0.614	846	0.614				0.614	0.000
18	0.833	0.617	917	0.617				0.617	0.000
19	0.822	0.771	940	0.619	0.043	0.109		0.771	0.000
20	0.799	0.744	918	0.596	0.041	0.107		0.744	0.000
21	0.830	0.758	890	0.601	0.044	0.113		0.758	0.000
22	0.810	0.754	890	0.598	0.041	0.115		0.754	0.000
23	0.829	0.704	928	0.546	0.046	0.112		0.704	0.000
24	0.847	0.648	738	0.648				0.648	0.000
25	0.878	0.645	719	0.645				0.645	0.000
26	0.828	0.727	925	0.571	0.042	0.114		0.727	0.000
27	0.791	0.702	815	0.551	0.047	0.104		0.702	0.000
28	0.804	0.698	839	0.547	0.045	0.106		0.698	0.000
29	0.817	0.721	824	0.583	0.040	0.098		0.721	0.000
30	0.774	0.728	948	0.578	0.048	0.102		0.728	0.000
31	0.793	0.678	734	0.678				0.678	0.000
TOTAL	25.135	23.144		19.818	0.982	2.344	0.000	23.144	0.000
AVERAGE	0.811	0.747	899	0.000	0.000	0.000	0.000	0.747	0.000
MAXIMUM	0.878	0.926	1134	0.778	0.055	0.121	0.000	0.926	0.000
MINIMUM	0.774	0.614	676	0.546	0.040	0.096	0.000	0.614	0.000
DAYS	31	31		31	21	21	0	31	0

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL

September 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	0.795	0.685	728	0.685				0.685	0.000
2	0.882	0.685	718	0.685				0.685	0.000
3	0.816	0.752	877	0.566	0.084	0.102		0.752	0.000
4	0.807	0.752	886	0.603	0.067	0.082		0.752	0.000
5	0.784	0.754	844	0.569	0.082	0.103		0.754	0.000
6	0.793	0.765	828	0.579	0.085	0.101		0.765	0.000
7	0.811	0.706	676	0.706				0.706	0.000
8	0.871	0.705	794	0.705				0.705	0.000
9	0.806	0.767	827	0.584	0.063	0.120		0.767	0.000
10	0.789	0.728	852	0.564	0.092	0.072		0.728	0.000
11	0.801	0.757	845	0.588	0.094	0.075		0.757	0.000
12	0.802	0.752	850	0.584	0.095	0.073		0.752	0.000
13	0.783	0.779	924	0.594	0.091	0.094		0.779	0.000
14	0.810	0.709	693	0.709				0.709	0.000
15	0.877	0.707	723	0.707				0.707	0.000
16	0.814	0.767	846	0.613	0.096	0.058		0.767	0.000
17	0.795	0.785	814	0.620	0.104	0.061		0.785	0.000
18	0.822	0.742	831	0.579	0.101	0.062		0.742	0.000
19	0.816	0.742	866	0.581	0.103	0.058		0.742	0.000
20	0.778	0.714	882	0.667	0.032	0.015		0.714	0.000
21	0.797	0.692	824	0.692				0.692	0.000
22	0.868	0.687	809	0.687				0.687	0.000
23	0.582	0.562	1021	0.410		0.152		0.562	0.000
24	0.789	0.816	996	0.676		0.140		0.816	0.000
25	0.780	0.776	969	0.659		0.117		0.776	0.000
26	0.798	0.810	1012	0.669		0.141		0.810	0.000
27	0.788	0.787	1000	0.670		0.117		0.787	0.000
28	0.797	0.665	719	0.665				0.665	0.000
29	0.863	0.664	824	0.664				0.664	0.000
30	0.798	0.788	1018	0.658		0.130		0.788	0.000
TOTAL	24.112	22.000		18.938	1.189	1.873	0.000	22.000	0.000
AVERAGE	0.804	0.733	850	0.000	0.000	0.000	0.000	0.733	0.000
MAXIMUM	0.882	0.816	1021	0.709	0.104	0.152	0.000	0.816	0.000
MINIMUM	0.582	0.562	676	0.410	0.032	0.015	0.000	0.562	0.000
DAYS	30	30		30	14	20	0	30	30

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL October 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	0.784	0.765	979	0.645		0.120		0.765	0.000
2	0.787	0.746	1210	0.686		0.060		0.746	0.000
3	0.784	0.873	1211	0.740		0.133		0.873	0.000
4	0.779	0.874	1036	0.737		0.137		0.874	0.000
5	0.800	0.752	768	0.752				0.752	0.000
6	0.853	0.747	759	0.747				0.747	0.000
7	0.805	0.456	870	0.395		0.061		0.456	0.000
8	0.785	0.000	0	Washed CCB No Discharge				0.000	0.000
9	0.778	0.537	916	0.478		0.059		0.537	0.000
10	0.779	0.804	886	0.804				0.804	0.000
11	0.766	0.809	866	0.737		0.072		0.809	0.000
12	0.801	0.727	756	0.727				0.727	0.000
13	0.842	0.735	888	0.735				0.735	0.000
14	0.801	0.728	720	0.728				0.728	0.000
15	0.775	0.825	919	0.757		0.068		0.825	0.000
16	0.768	0.903	934	0.827		0.076		0.903	0.000
17	0.772	0.913	959	0.839		0.074		0.913	0.000
18	0.768	0.916	941	0.845		0.071		0.916	0.000
19	0.786	0.864	852	0.864				0.864	0.000
20	0.856	0.872	834	0.872				0.872	0.000
21	0.807	0.927	1018	0.845		0.082		0.927	0.000
22	0.780	0.897	974	0.818		0.079		0.897	0.000
23	0.809	0.920	935	0.837		0.083		0.920	0.000
24	0.780	0.916	846	0.839		0.077		0.916	0.000
25	0.758	0.917	920	0.838		0.079		0.917	0.000
26	0.792	0.867	819	0.867				0.867	0.000
27	0.885	0.872	744	0.872				0.872	0.000
28	0.836	0.932	896	0.857		0.075		0.932	0.000
29	0.789	0.917	870	0.844		0.073		0.917	0.000
30	0.810	0.891	795	0.814		0.077		0.891	0.000
31	0.781	0.858	891	0.786		0.072		0.858	0.000
TOTAL	24.696	24.760		23.132	0.000	1.628	0.000	24.760	0.000
AVERAGE	0.797	0.799	871	0.000	0.000	0.000	0.000	0.799	0.000
MAXIMUM	0.885	0.932	1211	0.872	0.000	0.137	0.000	0.932	0.000
MINIMUM	0.758	0.000	0	0.000	0.000	0.059	0.000	0.000	0.000
DAYS	31	30		30	0	20	0	30	0

DAYS WITH NO DISCHARGE = 1

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL — November 2024

Discharge Monitoring DATE	M-INF INFLUENT MGD	M-001 EFFLUENT MGD	MAXIMUM GPM	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	0.851	0.857	886	0.761		0.096		0.857	0.000
2	0.890	0.804	900	0.804				0.804	0.000
3	0.913	0.792	874	0.792				0.792	0.000
4	0.817	0.825	905	0.724		0.101		0.825	0.000
5	0.791	0.857	932	0.792		0.065		0.857	0.000
6	0.782	0.891	904	0.829		0.062		0.891	0.000
7	0.769	0.890	951	0.826		0.064		0.890	0.000
8	0.770	0.875	939	0.804		0.071		0.875	0.000
9	0.790	0.816	834	0.816				0.816	0.000
10	0.815	0.815	898	0.815				0.815	0.000
11	0.899	0.812	818	0.812				0.812	0.000
12	0.801	0.869	952	0.806		0.063		0.869	0.000
13	0.863	0.863	988	0.805		0.058		0.863	0.000
14	0.890	0.889	939	0.811		0.078		0.889	0.000
15	0.806	0.895	950	0.821		0.074		0.895	0.000
16	0.831	0.813	890	0.813				0.813	0.000
17	0.890	0.808	936	0.808				0.808	0.000
18	0.859	0.941	1098	0.483	Started River Discharge			0.483	0.458
19	0.824	1.184	1316					0.000	1.184
20	0.985	1.183	1242					0.000	1.183
21	1.306	1.567	1475					0.000	1.567
22	1.274	1.789	1636					0.000	1.789
23	1.152	1.575	1433					0.000	1.575
24	1.105	1.446	1365					0.000	1.446
25	1.119	1.433	1336					0.000	1.433
26	1.112	1.524	1414					0.000	1.524
27	1.034	1.395	1304					0.000	1.395
28	1.032	1.391	1358					0.000	1.391
29	0.948	1.339	1345					0.000	1.339
30	0.943	1.297	1329					0.000	1.297
TOTAL	27.861	32.435		14.122	0.000	0.732	0.000	14.854	17.581
AVERAGE	0.929	1.081	1105	0.000	0.000	0.000	0.000	0.495	0.586
MAXIMUM	1.306	1.789	1636	0.829	0.000	0.101	0.000	0.895	1.789
MINIMUM	0.769	0.792	818	0.483	0.000	0.058	0.000	0.000	0.000
DAYS	30	30		18	0	10	0	18	13

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL

December 2024

Discharge Monitoring DATE	**M-INF** INFLUENT MGD	**M-001** EFFLUENT MGD	MAXIMUM GPM	**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	1.036	1.366	1290					0.000	1.366
2	0.974	1.328	1299					0.000	1.328
3	0.928	1.276	1249					0.000	1.276
4	0.927	1.301	1311					0.000	1.301
5	0.902	1.259	1238					0.000	1.259
6	0.899	1.262	1291					0.000	1.262
7	0.921	1.215	1195					0.000	1.215
8	0.982	1.223	1239					0.000	1.223
9	0.916	1.273	1314					0.000	1.273
10	0.891	1.207	1225					0.000	1.207
11	0.891	1.176	1226					0.000	1.176
12	0.983	1.273	1216					0.000	1.273
13	1.076	1.238	1287					0.000	1.238
14	1.249	1.338	1113					0.000	1.338
15	1.190	1.415	1328					0.000	1.415
16	1.169	1.482	1401					0.000	1.482
17	1.098	1.364	1258					0.000	1.364
18	1.078	1.442	1362					0.000	1.442
19	1.055	1.315	1263					0.000	1.315
20	1.016	1.375	1354					0.000	1.375
21	1.062	1.308	1200					0.000	1.308
22	1.073	1.234	1214					0.000	1.234
23	1.134	1.292	1226					0.000	1.292
24	1.552	1.385	1200					0.000	1.385
25	1.240	1.495	1341					0.000	1.495
26	1.254	1.511	1381					0.000	1.511
27	1.348	1.556	1307					0.000	1.556
28	1.375	1.598	1421					0.000	1.598
29	1.794	1.595	1409					0.000	1.595
30	1.488	1.665	1383					0.000	1.665
31	1.369	1.694	1501					0.000	1.694
TOTAL	34.870	42.461		0.000	0.000	0.000	0.000	0.000	42.461
AVERAGE	1.125	1.370	1292	0.000	0.000	0.000	0.000	0.000	1.370
MAXIMUM	1.794	1.694	1501	0.000	0.000	0.000	0.000	0.000	1.694
MINIMUM	0.891	1.176	1113	0.000	0.000	0.000	0.000	0.000	1.176
DAYS	31	31		0	0	0	0	0	31

DAYS WITH NO DISCHARGE = 0

EXHIBIT D

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: January 2024

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	0.967	1.176	1185	2170	822			7.2	13.0			2.3	0.00										
2	0.961	1.175	1175	1770	676			7.2	13.0			2.4	0.00			9:00	7.4	10.6	10.9	9:10	7.4	11.0	10.8
3	1.053	1.246	1159	2250	871			7.1	12.8			2.8	0.00										
4	1.006	1.291	1260	2710	965			7.1	13.4			2.4	0.00		4								
5	0.991	1.310	1298	2310	799	340	280	7.1	13.4	3.8	3.4	2.3	0.00	<0.1									
6	1.063	1.270	1206	2020	752			7.0	13.0			2.4	0.00										
7	1.112	1.295	1320	2610	888			7.1	12.2			2.3	0.00										
8	0.995	1.215	1324	1970	668			7.1	12.9			2.4	0.00		<1.8								
9	1.068	1.248	1150	2170	847			7.0	12.9			2.2	0.00			15:45	7.3	10.2	11.1	15:55	7.4	10.9	10.7
10	1.252	1.267	1086	6590	2724			6.9	13.0			2.0	0.00										
11	1.143	1.329	1248	7220	2597			6.9	12.1			2.4	0.00										
12	1.091	1.364	1323	4270	1449	270	270	6.9	12.6	2.7	3.6	2.5	0.00	<0.1									
13	1.841	1.319	1220	5320	1957			6.9	12.9			2.5	0.00										
14	1.679	1.271	1215	22200	8201			6.9	12.9			2.0	0.00										
15	1.428	1.337	1169	8870	3406			6.8	12.9			2.3	0.00										
16	1.303	1.364	1165	5730	2208			6.8	13.1			2.3	0.00		7.8	8:30	7.4	9.8	10.8	8:45	7.4	9.9	11.1
17	1.284	1.369	1169	5520	2120			7.0	13.6			2.5	0.00										
18	1.223	1.380	1194	5030	1891			6.9	13.5			2.4	0.00										
19	1.159	1.377	1261	4300	1531	300	380	6.9	13.4	4.4	5.1	2.5	0.00	<0.1									
20	1.459	1.356	1212	3900	1444			6.9	13.5			2.3	0.00										
21	1.506	1.341	1195	7890	2964			6.9	13.7			2.4	0.00										
22	1.466	0.535	1162	7120	2750			7.0	14.3			2.4	0.00		<1.8								
23	1.394	0.000	0	6620	N/A							No Discharge Washed CCB				15:35	7.1	11.5	10.4	15:45	7.4	11.5	9.2
24	1.351	0.742	1196	5780	2169			7.0	13.8			1.8	0.00										
25	1.292	1.485	1245	6000	2163			7.0	14.0			1.7	0.00										
26	1.233	1.654	1402	5070	1623	190	140	6.9	14.1	4.7	6.7	1.8	0.00	<0.1									
27	1.255	1.668	1510	4490	1335			6.9	14.4			1.6	0.00										
28	1.298	1.639	1578	5040	1434			6.9	14.4			1.3	0.00										
29	1.194	1.634	1523	4480	1320			6.9	15.5			1.4	0.00		<1.8								
30	1.158	1.603	1492	3770	1134			6.9	15.0			1.4	0.00										
31	1.408	1.577	1444	3280	1020			6.9	15.2			1.7	0.00										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
0.14	1.6	4.0	99	5.9	ND	ND	ND	.32 (DNQ)	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-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
80	54	ND	125	18

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
58	ND	ND	145	2

ACUTE TOXICITY

Date	Species	TST Pass/Fail
1/11/2024	Rainbow Trout	PASS

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	2.1

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	4	47	98	5	57	98

Remarks: 32

EFF-001
REC-001
Quarterly
Permit Exceedance

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: February 2024

	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	1.455	1.622	1404	8320	2660			6.9	14.6			1.8	0.00										
2	1.496	1.668	1365	6840	2249	260	260	6.9	14.4	3.1	3.0	1.9	0.00	<0.1									
3	1.434	1.683	1341	6230	2085			6.8	12.8			2.2	0.00										
4	1.490	1.663	1485	5090	1539			6.8	12.8			2.1	0.00										
5	1.620	1.676	1360	5770	1904			6.9	13.6			1.7	0.00		<1.8								
6	1.679	1.709	1416	7490	2374			6.8	13.3			1.7	0.00			13:30	7.7	11.9	11.3	13:40	7.7	11.3	11.3
7	1.624	1.730	1424	5650	1781			6.8	13.0			1.7	0.00										
8	1.450	1.739	1634	5100	1401			6.8	13.0			1.9	0.00										
9	1.352	1.756	1462	4110	1262	180	170	6.8	12.6	3.0	3.5	1.8	0.00	<0.1									
10	1.326	1.755	1510	3420	1017			6.8	12.9			1.8	0.00										
11	1.341	1.740	1566	2940	843			6.9	12.9			1.7	0.00										
12	1.253	1.451	2185	2560	526			6.8	13.9			1.9	0.00										
13	1.210	1.079	1068	2260	950			6.9	13.4			1.5	0.00			13:20	7.4	12.1	10.8	13:30	7.5	10.5	12.4
14	1.321	1.184	1111	2080	840			6.9	14.0			1.9	0.00		<1.8								
15	1.450	1.468	1254	5220	1868			6.8	13.7			1.7	0.00										
16	1.361	1.580	1333	5030	1694	240	310	6.8	13.5	4.3	4.9	1.7	0.00	<0.1									
17	1.443	1.637	1353	4380	1453			6.9	13.8			1.7	0.00										
18	1.560	1.635	1390	6190	1999			6.9	13.2			1.9	0.00										
19	1.606	1.652	1328	7050	2383			6.9	13.1			1.9	0.00										
20	1.524	1.675	1410	8460	2693			6.8	13.1			1.9	0.00		<1.8	13:30	7.0	13.2	11.3	13:40	7.4	12.2	11.3
21	1.440	1.700	1374	7130	2329			6.8	13.5			1.8	0.00										
22	1.362	1.705	1376	5570	1817			6.8	13.3			1.8	0.00										
23	1.314	1.692	1443	4490	1397	230	250	6.8	13.7	3.5	3.2	1.8	0.00	<0.1									
24	1.297	1.669	1429	3690	1159			6.9	13.8			1.8	0.00										
25	1.329	1.658	1485	3110	940			6.9	13.7			1.9	0.00										
26	1.242	1.649	1520	2710	800			6.9	14.3			1.9	0.00		<1.8								
27	1.195	1.664	1544	2410	701			6.8	13.2			1.7	0.00			15:00	7.2	10.7	10.8	15:10	7.5	11.0	11.1
28	1.175	1.600	1482	2050	730			6.8	13.2			1.7	0.00										
29	1.262	1.580	1456	1950	591			6.9	13.8			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
0.14	1.0	6.0	80	4.2	ND	ND	ND	(.33) DNQ	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-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
110	110	ND	84	435

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
110	82	ND	90	447

ACUTE TOXICITY		
Date	Species	TST Pass/Fail
2/6/2024	Rainbow Trout	PASS

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	2.1

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	4	49	98	4	51	98

EFF-001
REC-001
Quarterly
Permit Exceedance

Remarks: 33

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: March 2024

	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	1.338	1.593	1371	3830	1254	200	140	6.8	13.0	2.4	2.7	1.7	0.00	<0.1									
2	1.463	1.608	1288	5600	1952			6.8	12.9			1.8	0.00										
3	1.559	1.661	1419	4780	1512			6.8	12.8			1.8	0.00										
4	1.478	1.688	1393	4550	1466			6.8	11.7			1.6	0.00		<1.8	11:00	7.4	8.7	11.3	11:10	7.5	8.8	11.5
5	1.695	1.671	1354	4390	1455			6.9	12.3			2.2	0.00										
6	1.656	1.669	1332	9990	3366			6.8	12.9			2.4	0.00										
7	1.468	1.703	1370	7890	2585			6.7	12.5			2.5	0.00										
8	1.364	1.697	1411	6130	1950	260	200	6.8	12.0	2.1	0.0	1.7	0.00	<0.1									
9	1.397	1.687	1337	5190	1742			6.8	13.1			1.8	0.00										
10	1.514	1.611	1409	4850	1545			6.8	12.7			1.8	0.00										
11	1.495	1.622	1342	5580	1866			6.9	12.8			1.5	0.00		<1.8								
12	1.484	1.704	1352	5300	1760			6.8	12.8			1.9	0.00										
13	1.404	1.707	1510	5460	1623			6.8	12.4			1.7	0.00			15:00	7.7	12.6	10.9	15:10	7.5	11.6	10.7
14	1.342	1.693	1471	4760	1452			6.8	12.7			1.6	0.00										
15	1.310	1.673	1453	4140	1279	260	450	6.9	12.4	4.6	3.3	1.6	0.00	<0.1									
16	1.286	1.652	1489	3790	1142			6.9	12.5			1.7	0.00										
17	1.278	1.642	1539	3460	1009			6.9	12.4			1.7	0.00										
18	1.256	1.581	1683	3280	875			6.9	14.0			1.5	0.00		<1.8								
19	1.203	1.595	1456	3180	980			7.0	14.7			1.6	0.00			13:45	7.7	12.0	11.1	14:00	7.7	11.3	11.1
20	1.199	1.596	1584	3060	867			7.0	14.5			1.6	0.00										
21	1.172	1.525	1372	2690	880			7.0	14.8			1.5	0.00										
22	1.203	1.480	1372	2510	821	250	180	7.0	15.8	4.6	2.6	1.5	0.00	<0.1									
23	1.329	1.544	1323	4170	1415			7.0	14.5			1.6	0.00										
24	1.607	1.592	1377	8210	2676			6.9	14.2			2.1	0.00										
25	1.506	1.656	1363	6790	2236			6.9	15.0			1.7	0.00		2.0								
26	1.390	1.676	1515	5140	1523			6.9	14.8			1.6	0.00			15:45	7.7	12.4	11.1	15:55	7.8	13.0	11.2
27	1.376	1.670	1514	4390	1302			7.0	15.0			1.7	0.00										
28	1.584	1.677	1438	6620	2066			6.9	14.9			1.6	0.00										
29	1.529	1.693	1428	6060	1905	190	200	6.9	14.5	4.9	4.0	1.4	0.00	<0.1									
30	1.435	1.706	1581	4940	1403			6.9	13.5			1.5	0.00										
31	1.404	1.689	1496	4010	1203			6.9	13.5			1.5	0.00										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
0.11	1.6	6.4	74	3.9	ND	ND	ND	(.47) DNQ	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-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
84	48	ND	95	71

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
90	48	ND	96	75

ACUTE TOXICITY		
Date	Species	TST Pass/Fail
3/5/2024	Rainbow Trout	PASS

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	2.1

	BOD	BOD	BOD	TSS	TSS	TSS
BOD & TSS	mg/L	LBS/DAY	% Removal	mg/L	LBS/DAY	% Removal
30 DAY AVERAGE	4	50	98	3	34	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____

Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: April 2024

	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	1.449	1.181	1307	3250	1116			6.9	14.3			1.7	0.00		<1.8	11:00	7.1	11.5	11.1	11:10	7.2	11.2	11.3
2	1.260	1.600	1506	2740	817			7.0	14.9			1.2	0.00										
3	1.250	1.603	1472	2480	756			6.9	14.8			1.5	0.00										
4	1.246	1.515	1424	2180	687			7.0	13.6			1.4	0.00										
5	1.200	1.573	1445	1890	587	250	220	6.9	13.3	5.0	4.5	1.4	0.00	<0.1									
6	1.208	1.480	1346	1630	544			7.0	14.2			1.1	0.00										
7	1.244	1.521	1432	1440	451			7.0	14.1			1.4	0.00										
8	1.174	0.877	1362	1240	409			7.0	14.6			1.4	0.00		<1.8								
9	1.153	0.000	0	N/A	0	Washed CCB										15:15	7.2	13.8	10.8	15:20	7.3	14.3	10.8
10	1.123	0.693	1746	1010	260			7.1	14.7			0.8	0.00										
11	1.117	1.282	1106	931	378			7.0	15.7			0.8	0.00										
12	1.109	1.378	1256	875	313	260	240	7.0	15.4	3.0	3.4	0.9	0.0	<0.1									
13	1.136	1.481	1350	868	289			7.1	15.8			1.0	0.00										
14	1.167	1.446	1310	1170	401			7.0	15.3			1.0	0.00										
15	1.099	1.495	1442	1330	414			7.0	15.0			1.0	0.00		<1.8								
16	1.083	1.394	1348	1060	353			6.8	15.2			1.5	0.00			14:00	7.2	15.4	10.5	14:10	7.4	14.0	10.7
17	1.054	1.421	1369	924	303			7.0	15.2			1.3	0.00										
18	1.053	1.338	1282	882	309			7.1	15.3			1.3	0.00										
19	1.023	1.361	1296	821	284	310	260	6.8	16.3	6.2	4.2	1.2	0.00	<0.1									
20	1.017	1.279	1243	771	278			6.9	16.2			1.3	0.00										
21	1.083	1.224	1201	713	266			6.9	15.9			1.4	0.00										
22	1.035	1.128	1210	669	248			7.1	16.6			1.0	0.00		<1.8								
23	1.017	0.979	1118	642	258			7.1	16.8			1.1	0.00			15:55	7.4	15.1	10.1	16:05	7.4	14.9	10.1
24	1.016	0.962	1121	579	232			7.0	16.4			0.9	0.00										
25	1.005	0.912	1057	559	237			7.0	16.5			0.8	0.00										
26	1.021	1.118	1217	636	235	320	250	7.0	16.2	3.8	3.8	1.9	0.00	<0.1									
27	1.025	1.070	1119	1170	469			7.1	16.5			1.5	0.00										
28	1.064	0.984	1061	808	342			7.1	16.5			1.4	0.00										
29	0.996	1.017	1138	691	273			7.1	16.9			1.3	0.00		<1.8								
30	0.989	0.996	1100	615	251			7.0	16.9			1.6	0.00			8:25	7.5	11.6	10.7	8:40	7.5	12.2	10.2

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
0.16	1.8	2.5	79	3.9	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
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
76	51	ND	95	51

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
84	50	ND	97	48

ACUTE TOXICITY		
Date	Species	TST Pass/Fail
4/24/2024	Rainbow Trout	PASS

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	1.4

BOD & TSS	BOD	BOD	BOD	TSS	TSS	TSS
	mg/L	LBS/DAY	% Removal	mg/L	LBS/DAY	% Removal
30 DAY AVERAGE	5	51	98	4	45	98

EFF-001
REC-001
Quarterly
Permit Exceedance

Remarks: 35

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: May 2024

	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	0.962	0.926	1092	700	288			7.1	16.6			1.2	0.00			11:10	7.3	13.6	10.5	11:25	7.3	13.8	10.4
2	0.989	0.920	1068	655	275			7.1	16.7			1.2	0.00										
3	1.001	1.032	1630	675	186	280	200	7.0	16.5	2.6	0.0	1.3	0.00	<0.1									
4	1.467	1.306	1167	2740	1054			7.0	16.3			1.9	0.00										
5	1.354	1.485	1548	3690	1070			7.0	15.5			1.7	0.00										
6	1.220	1.527	1383	2430	789			7.0	15.9			2.1	0.00		1600								
7	1.156	1.423	1427	2050	645			7.0	15.8			2.3	0.00			15:35	7.5	14.3	10.4	15:45	7.3	13.8	10.4
8	1.135	1.400	1505	1620	483			7.0	16.1			2.1	0.00		4.5								
9	1.094	1.314	1336	1350	454			7.0	16.9			2.1	0.00										
10	1.067	1.347	1345	1220	407	250	190	7.0	17.9	0.0	0.0	2.3	0.00	<0.1									
11	1.078	1.234	1220	1120	412			7.1	18.3			2.0	0.00										
12	1.095	1.023	1094	978	401			7.1	18.2			1.6	0.00										
13	1.071	0.956	1087	867	358			7.0	17.9			1.2	0.00		<1.8								
14	1.040	0.899	1146	812	318			7.1	17.8			1.9	0.00			11:00	7.1	15.3	9.9	11:10	7.3	15.4	9.7
15	1.023	0.810	936	N/A	N/A			7.0	18.2			1.7	N/A	No Discharge to River									
16	1.006	0.825	970	N/A	N/A			7.0	18.0			1.7	N/A										
17	0.982	0.813	1010	N/A	N/A	320	270	7.2	17.7	3.4	2.9	1.7	N/A	<0.1									
18	0.980	0.737	760	N/A	N/A			7.2	17.1			1.9	N/A										
19	1.023	0.731	714	N/A	N/A			7.3	17.1			0.9	N/A										
20	0.981	0.835	945	N/A	N/A			7.2	17.7			0.9	N/A										
21	0.953	0.836	968	N/A	N/A			7.1	17.6			2.8	N/A		1.8	15:00	7.1	17.9	9.8	15:10	7.5	18.2	9.4
22	0.949	0.834	964	N/A	N/A			7.1	17.9			2.7	N/A										
23	0.928	0.822	970	N/A	N/A			7.1	17.6			2.7	N/A										
24	0.922	0.826	989	N/A	N/A	380	260	7.1	18.0	3.5	2.6	2.7	N/A	<0.1									
25	0.909	0.719	758	N/A	N/A			7.2	18.2			2.6	N/A										
26	0.906	0.720	755	N/A	N/A			7.2	18.1			2.6	N/A										
27	0.987	0.719	719	N/A	N/A			7.3	18.2			2.6	N/A										
28	0.933	0.831	967	N/A	N/A			7.1	18.6			2.5	N/A		<1.8	8:40	7.4	16.2	9.6	8:50	7.5	16.9	9.3
29	0.889	0.833	996	N/A	N/A			7.2	18.4			2.8	N/A										
30	0.899	0.825	973	N/A	N/A			7.1	18.3			2.5	N/A										
31	0.884	0.827	988	N/A	N/A	380	320	7.1	18.3	3.8	4.5	0.4	N/A	<0.1									

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Phosphorus	Bis Phthalate	Carbon Tetrachloride	Chlorodibromomethane	Dichlorobromomethane	Turbidity % Increase
0.20	2.0	1.60	71	4.6	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	180	2.00	1.60	ND	25	32	180

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
87	50	ND	113	20.2

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
73	49	ND	ND	21.6

ACUTE TOXICITY		
Date	Species	TST Pass/Fail
5/21/2024	Rainbow Trout	PASS

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	1.4

	BOD	BOD	BOD	TSS	TSS	TSS
BOD & TSS	mg/L	LBS/DAY	% Removal	mg/L	LBS/DAY	% Removal
30 DAY AVERAGE	2	17	99	1	9	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____

Remarks: 36 Exceedance of Total Coliform on 5/6/2024. Dirty sample. Notified SWRCB_

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: June 2024

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	EFFLUENT MONITORING (C°) TEMP	EFFLUENT MONITORING B.O.D. mg/L	EFFLUENT MONITORING TSS mg/L	EFFLUENT MONITORING CL_2 RES.	EFFLUENT MONITORING RIVER CL_2 RES	EFFLUENT MONITORING SETTLEABLE SOLIDS	EFFLUENT MONITORING 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	0.879	0.724	732	N/A	N/A			7.2	18.4			2.6	N/A										
2	0.952	0.719	814	N/A	N/A			7.2	19.1			2.5	N/A										
3	0.996	0.790	1161	N/A	N/A			7.2	19.2			1.0	N/A		<1.8	14:00	7.1	19.6	9.6	14:10	7.4	20.6	9.1
4	0.943	0.833	1027	N/A	N/A			7.2	19.3			0.7	N/A										
5	0.908	0.804	957	N/A	N/A			7.3	19.4			2.7	N/A										
6	0.909	0.810	979	N/A	N/A			7.2	19.4			2.6	N/A										
7	0.898	0.803	957	N/A	N/A	350	280	7.2	19.3	5.4	3.8	2.5	N/A	<0.1									
8	0.895	0.727	886	N/A	N/A			7.3	19.9			2.5	N/A										
9	0.902	0.710	863	N/A	N/A			7.2	19.7			2.4	N/A										
10	0.904	0.720	972	N/A	N/A			7.5	15.3			2.7	N/A		1.8								
11	0.902	0.819	1011	N/A	N/A			7.2	19.8			2.4	N/A			8:30	7.6	17.7	9.6	8:40	7.7	18.1	8.9
12	0.892	0.813	984	N/A	N/A			7.2	19.6			2.6	N/A										
13	0.890	0.727	901	N/A	N/A			7.2	19.0			2.5	N/A										
14	0.903	0.710	771	N/A	N/A	450	390	7.2	19.2	2.2	5.6	2.4	N/A	<0.1									
15	0.865	0.700	817	N/A	N/A			7.3	19.6			2.4	N/A										
16	0.866	0.702	823	N/A	N/A			7.4	19.2			2.6	N/A										
17	0.903	0.705	842	N/A	N/A			7.4	19.0			2.3	N/A		<1.8								
18	0.879	0.706	818	N/A	N/A			7.5	18.8			2.5	N/A			13:20	7.6	19.5	9.5	13:30	7.8	19.0	9.0
19	0.867	0.698	868	N/A	N/A			7.4	18.9			2.6	N/A										
20	0.861	0.703	790	N/A	N/A			7.5	18.7			2.6	N/A										
21	0.850	0.704	760	N/A	N/A	360	340	7.5	18.8	5.0	3.4	2.6	N/A	<0.1									
22	0.829	0.706	858	N/A	N/A			7.6	18.7			2.7	N/A										
23	0.848	0.690	856	N/A	N/A			7.6	18.7			2.6	N/A										
24	0.882	0.713	842	N/A	N/A			7.6	18.9			2.8	N/A		<1.8								
25	0.846	0.777	834	N/A	N/A			7.5	19.3			2.7	N/A			8:20	7.6	17.4	9.1	8:30	7.7	18.1	8.6
26	0.838	0.770	839	N/A	N/A			7.5	19.4			2.7	N/A										
27	0.839	0.774	872	N/A	N/A			7.5	19.4			2.6	N/A										
28	0.826	0.779	875	N/A	N/A	480	430	7.2	19.4	6.4	5.0	2.5	N/A	<0.1									
29	0.816	0.785	926	N/A	N/A			7.4	19.9			2.6	N/A										
30	0.821	0.788	925	N/A	N/A			7.4	20.3			2.6	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
1.20	210	0.10	1.00	ND	91	38	54

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

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	1.4

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
97	67	ND	150	5.3

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
100	72	ND	178	2.8

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

EFF-001
REC-001
Quarterly
Permit Exceedance

Signature:_____

Remarks: 37

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: July 2024

	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	0.861	0.790	798	N/A	N/A			7.5	20.4			2.7	N/A		<1.8	13:15	7.5	20.2	11.1	13:25	7.8	21.0	10.9
2	0.830	0.783	794	N/A	N/A			7.5	20.5			3.0	N/A										
3	0.828	0.775	864	N/A	N/A	390	350	7.5	20.4	6.2	4.2	1.9	N/A	<0.1									
4	0.822	0.834	936	N/A	N/A			7.4	20.7			2.0	N/A										
5	0.785	0.843	823	N/A	N/A			7.3	21.4			1.8	N/A										
6	0.798	0.835	904	N/A	N/A			7.4	21.9			2.0	N/A										
7	0.831	0.845	899	N/A	N/A			7.4	22.5			1.7	N/A										
8	0.865	0.840	802	N/A	N/A			7.4	21.2			1.9	N/A		<1.8								
9	0.826	0.959	985	N/A	N/A			7.2	21.6			1.9	N/A			8:30	7.3	19.9	8.6	8:40	7.6	20.1	8.0
10	0.821	0.942	1113	N/A	N/A			7.2	21.1			1.7	N/A										
11	0.810	0.897	1178	N/A	N/A			7.2	20.7			1.9	N/A										
12	0.815	0.875	1096	N/A	N/A	400	310	7.2	20.5	5.8	7.4	1.9	N/A	<0.1									
13	0.794	0.774	793	N/A	N/A			7.1	20.3			1.9	N/A										
14	0.811	0.775	782	N/A	N/A			7.2	20.3			1.6	N/A										
15	0.850	0.887	1105	N/A	N/A			7.2	19.4			1.6	N/A		<1.8								
16	0.803	0.935	1101	N/A	N/A			7.2	19.8			1.7	N/A			11:05	7.4	18.6	9.1	11:15	7.6	18.6	8.4
17	0.817	0.949	1120	N/A	N/A			7.1	19.6			1.9	N/A										
18	0.815	0.916	1101	N/A	N/A			7.1	19.8			2.1	N/A										
19	0.800	0.946	1104	N/A	N/A	400	340	7.1	19.9	3.1	4.8	1.9	N/A	<0.1									
20	0.803	0.779	844	N/A	N/A			7.2	20.2			1.9	N/A										
21	0.845	0.785	813	N/A	N/A			7.2	20.2			1.0	N/A										
22	0.836	0.920	1128	N/A	N/A			7.1	20.3			1.6	N/A		<1.8								
23	0.802	0.917	1100	N/A	N/A			7.1	20.1			1.0	N/A			15:50	7.8	23.1	8.9	16:00	8.0	22.8	9.3
24	0.805	0.924	1123	N/A	N/A			7.1	20.1			1.8	N/A										
25	0.806	0.930	1075	N/A	N/A			7.2	20.1			1.8	N/A										
26	0.794	0.916	1078	N/A	N/A	310	300	7.2	19.5	3.7	0.0	1.8	N/A	<0.1							``		
27	0.790	0.788	831	N/A	N/A			7.1	19.7			1.9	N/A										
28	0.842	0.776	805	N/A	N/A			7.2	19.9			1.9	N/A										
29	0.823	0.905	1108	N/A	N/A			7.2	19.9			1.9	N/A		<1.8								
30	0.815	0.918	1126	N/A	N/A			7.2	20.3			1.8	N/A			11:05	7.7	21.3	8.9	11:15	7.7	21.3	8.5
31	0.808	0.935	1119	N/A	N/A			7.2	20.5			1.8	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	1.70	0.71	ND	36	42	240

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

Quarterly Tests	Value in ug/l
Bromoform	ND
Chloroform	3.8

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
150	99	ND	220	0.7

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
150	100	ND	264	0.8

BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	5	34	99	4	30	99

EFF-001
REC-001
Quarterly
Permit Exceedance

Remarks: 38

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: August 2024

	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	Entero					Entero					Entero
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	cocci	TIME	PH	TEMP	D.O.	cocci	TIME	PH	TEMP	D.O.	cocci
1	0.810	0.916	1134	N/A	N/A			7.2	20.7			1.7	N/A			N/A	15:00	7.7	23.0	10.4	N/A	15:10	7.6	23.1	10.2	N/A
2	0.804	0.926	1094	N/A	N/A	360	260	7.2	20.8	4.0	0.0	1.8	N/A	<0.1		N/A										
3	0.788	0.774	800	N/A	N/A			7.1	20.5			1.9	N/A			N/A										
4	0.831	0.778	844	N/A	N/A			7.1	20.2			1.8	N/A			N/A										
5	0.824	0.894	1040	N/A	N/A			7.1	20.4			1.8	N/A		<1.8	N/A										
6	0.813	0.863	973	N/A	N/A			7.2	20.1			1.6	N/A			N/A	16:05	8.2	21.0	9.4	N/A	16:15	8.1	21.0	9.4	N/A
7	0.805	0.823	970	N/A	N/A			7.2	20.3			1.5	N/A			N/A										
8	0.807	0.811	1044	N/A	N/A			7.2	20.2			1.2	N/A			N/A										
9	0.792	0.637	676	N/A	N/A	390	280	7.1	19.9	3.6	0.0	1.4	N/A	<0.1		N/A										
10	0.782	0.641	700	N/A	N/A			7.1	20.0			1.5	N/A			N/A										
11	0.831	0.638	700	N/A	N/A			7.2	19.7			1.2	N/A			N/A										
12	0.827	0.805	1055	N/A	N/A			7.1	19.9			1.3	N/A		<1.8	N/A										
13	0.795	0.815	1066	N/A	N/A			7.1	20.0			1.3	N/A			N/A	10:25	7.7	19.8	9.2	N/A	10:40	7.8	19.7	8.7	N/A
14	0.807	0.780	990	N/A	N/A			7.1	20.3			1.2	N/A			N/A										
15	0.795	0.772	975	N/A	N/A			7.1	20.4			1.2	N/A			N/A										
16	0.781	0.762	939	N/A	N/A	390	290	7.1	20.7	2.1	3.0	0.6	N/A	<0.1		N/A										
17	0.788	0.614	846	N/A	N/A			7.1	21.0			1.3	N/A			N/A										
18	0.833	0.617	917	N/A	N/A			7.2	21.1			1.1	N/A			N/A										
19	0.822	0.771	940	N/A	N/A			7.2	20.8			1.2	N/A		2	N/A										
20	0.799	0.744	918	N/A	N/A			7.1	20.9			1.0	N/A			N/A	15:55	8.4	22.6	9.3	N/A	16:05	8.4	22.8	10.6	N/A
21	0.830	0.758	890	N/A	N/A			7.1	21.0			1.1	N/A			N/A										
22	0.810	0.754	890	N/A	N/A			7.1	21.2			1.1	N/A			N/A										
23	0.829	0.704	928	N/A	N/A	400	350	7.1	20.6	2.3	0.0	1.0	N/A			N/A										
24	0.847	0.648	738	N/A	N/A			7.0	19.8			1.6	N/A			N/A										
25	0.878	0.645	719	N/A	N/A			7.1	19.1			1.2	N/A			N/A										
26	0.828	0.727	925	N/A	N/A			7.0	19.8			0.9	N/A		<1.8	N/A										
27	0.791	0.702	815	N/A	N/A			7.0	19.9			1.2	N/A			N/A	10:50	7.5	19.6	8.9	N/A	11:00	7.6	19.4	7.8	N/A
28	0.804	0.698	839	N/A	N/A			7.0	19.8			1.2	N/A			N/A										
29	0.817	0.721	824	N/A	N/A			7.1	19.5			1.3	N/A			N/A										
30	0.774	0.728	948	N/A	N/A	510	440	7.1	19.4	4.0	2.6	1.3	N/A	<0.1		N/A										
31	0.793	0.678	734	N/A	N/A			7.1	19.3			1.4	N/A			N/A										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Total Phosphorus
N/A	N/A	N/A	N/A	N/A

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
140	100	ND	227	0.69

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
460	150	ND	794	1.4

MONTHLY TESTS REC-001 DISCHARGE TO LAND

Organic Nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
ND	260	1.90	0.82	ND	38	45	270

MONTHLY BOD & TSS

	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	3	19	99	1	5	100

QUARTERLY GROUNDWATER MONITORING

GW-001		GW-002		GW-006		GW-007		GW-009		GW-019	
Nitrate	TDS	Nitrate	TDS	Nitrate	TDS	TDS	Nitrate	TDS	Nitrate	TDS	Nitrate
2.6	140	15	230	4.7	250	1.4	150	6.4	160	ND	6500

QUARTERLY TESTING

	ug/l
Bis(ethyly-hexy) Phthalate	ND
Total Chromium	ND
Dichlorobromomethane	ND

SEMI-ANNUAL CHRONIC TOXICITY

Date	Species	TST Pass/Fail
	Rainbow Trout	N/A

Permit Exceedance

Signature:_____ Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: September 2024

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	Entero cocci	RSW-001 TIME	RSW-001 PH	RSW-001 TEMP	RSW-001 D.O.	RSW-001 Entero cocci	RSW-002 TIME	RSW-002 PH	RSW-002 TEMP	RSW-002 D.O.	RSW-002 Entero cocci
1	0.795	0.685	728	N/A	N/A			7.1	19.5			1.4	N/A			N/A										
2	0.882	0.685	718	N/A	N/A			7.1	19.3			1.3	N/A			N/A										
3	0.816	0.752	877	N/A	N/A			7.1	19.3			1.5	N/A		2	N/A	15:30	7.9	22.0	9.8	N/A	15:40	8.2	22.5	10.0	N/A
4	0.807	0.752	886	N/A	N/A			7.1	19.4			1.6	N/A			N/A										
5	0.784	0.754	844	N/A	N/A			7.1	19.4			1.5	N/A			N/A										
6	0.793	0.765	828	N/A	N/A	400	360	7.1	19.5	3.6	0.0	1.7	N/A	<0.1		N/A										
7	0.811	0.706	676	N/A	N/A			7.2	19.5			1.4	N/A			N/A										
8	0.871	0.705	794	N/A	N/A			7.2	19.5			1.5	N/A			N/A										
9	0.806	0.767	827	N/A	N/A			7.2	19.5			1.5	N/A		<1.8	N/A										
10	0.789	0.728	852	N/A	N/A			7.1	19.5			1.7	N/A			N/A	9:10	7.5	19.1	8.4	N/A	9:20	7.7	18.9	8.6	N/A
11	0.801	0.757	845	N/A	N/A			7.1	19.1			1.4	N/A			N/A										
12	0.802	0.752	850	N/A	N/A			7.1	19.3			1.5	N/A			N/A										
13	0.783	0.779	924	N/A	N/A	430	280	7.1	19.3	2.1	3.1	1.4	N/A	<0.1		N/A										
14	0.810	0.709	693	N/A	N/A			7.0	19.4			1.5	N/A			N/A										
15	0.877	0.707	723	N/A	N/A			7.0	19.8			1.4	N/A			N/A										
16	0.814	0.767	846	N/A	N/A			7.1	19.6			1.4	N/A		<1.8	N/A										
17	0.795	0.785	814	N/A	N/A			7.2	19.0			1.6	N/A			N/A	16:00	7.6	19.1	8.7	N/A	16:10	7.7	18.8	8.4	N/A
18	0.822	0.742	831	N/A	N/A			7.1	19.3			1.5	N/A			N/A										
19	0.816	0.742	866	N/A	N/A			7.1	19.2			1.5	N/A			N/A										
20	0.778	0.714	882	N/A	N/A	460	350	7.1	18.9	4.2	2.9	1.5	N/A	<0.1		N/A										
21	0.797	0.692	824	N/A	N/A			7.0	19.2			1.5	N/A			N/A										
22	0.868	0.687	809	N/A	N/A			7.1	19.4			1.5	N/A			N/A										
23	0.582	0.562	1021	N/A	N/A			7.2	18.5			1.2	N/A		<1.8	N/A										
24	0.789	0.816	996	N/A	N/A			7.1	18.7			1.4	N/A			N/A	9:40	7.5	19.2	8.8	N/A	9:50	7.4	17.9	8.7	N/A
25	0.780	0.776	969	N/A	N/A			7.1	18.5			1.4	N/A			N/A										
26	0.798	0.810	1012	N/A	N/A			7.1	18.2			1.6	N/A			N/A										
27	0.788	0.787	1000	N/A	N/A	320	310	7.2	17.2	2.0	0.0	1.4	N/A	<0.1		N/A										
28	0.797	0.665	719	N/A	N/A			7.2	17.8			1.4	N/A			N/A										
29	0.863	0.664	824	N/A	N/A			7.1	17.7			1.4	N/A			N/A										
30	0.798	0.788	1018	N/A	N/A			7.1	17.6			1.4	N/A		<1.8	N/A										

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Total Phosphorus
N/A	N/A	N/A	N/A	N/A

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
150	100	ND	226	1.1

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
460	150	ND	847	0.9

MONTHLY TESTS REC-001 DISCHARGE TO LAND

Organic Nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
1.10	270	1.50	3.90	ND	39	44	270

MONTHLY BOD & TSS

	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	3	19	99	2	9	100

QUARTERLY GROUNDWATER MONITORING

GW-001		GW-002		GW-006		GW-007		GW-009		GW-019	
Nitrate	TDS	Nitrate	TDS	Nitrate	TDS	TDS	Nitrate	TDS	Nitrate	TDS	Nitrate
2.6	140	15	230	4.7	250	1.4	150	6.4	160	ND	6500

QUARTERLY TESTING

	ug/l
Bis(ethyly-hexy) Phthalate	ND
Total Chromium	ND
Dichlorobromomethane	ND

SEMI-ANNUAL CHRONIC TOXICITY

Date	Species	TST Pass/Fail
	Rainbow Trout	N/A

Permit Exceedance

Signature:_____ Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: October 2024

	INFLUENT	EFFLUENT	EFFLUENT			INFLUENT MONITORIN(		EFFLUENT MONITORING								RSW-001					RSW-002				
	FLOW	FLOW	MAXIMUM	RIVER	RIVER	B.O.D.	TSS		(C°)	B.O.D.	TSS		RIVER	SETTLEABLE	TOTAL	Entero					Entero					Entero
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	cocci	TIME	PH	TEMP	D.O.	cocci	TIME	PH	TEMP	D.O.	cocci
1	0.784	0.765	979	N/A	N/A			7.1	17.4			0.7	N/A			N/A	15:00	7.7	19.1	9.9	N/A	15:10	7.6	19.5	8.7	N/A
2	0.787	0.746	1210	N/A	N/A			7.1	17.4			1.4	N/A			N/A					N/A					N/A
3	0.784	0.873	1211	N/A	N/A			7.1	17.3			1.9	N/A			N/A					N/A					N/A
4	0.779	0.874	1036	N/A	N/A	530	390	7.1	17.0	5.6	3.8	1.6	N/A	<0.1		N/A					N/A					N/A
5	0.800	0.752	768	N/A	N/A			7.1	17.1			1.9	N/A			N/A					N/A					N/A
6	0.853	0.747	759	N/A	N/A			7.1	17.3			1.8	N/A			N/A					N/A					N/A
7	0.805	0.456	870	N/A	N/A			7.1	17.4			1.8	N/A		<1.8	N/A					N/A					N/A
8	0.785	0.000	0	N/A	N/A	NO EFFLUENT TESTING-CCB WASH							N/A			N/A	16:05	7.7	18.7	9.6	N/A	16:15	7.6	18.7	9.6	N/A
9	0.778	0.537	916	N/A	N/A			7.2	18.5			2.3	N/A			N/A					N/A					N/A
10	0.779	0.804	886	N/A	N/A			7.1	17.5			2.2	N/A			N/A					N/A					N/A
11	0.766	0.809	866	N/A	N/A	360	330	7.1	17.4	5.0	0.0	2.1	N/A	<0.1		N/A					N/A					N/A
12	0.801	0.727	756	N/A	N/A			7.0	17.5			2.0	N/A			N/A					N/A					N/A
13	0.842	0.735	888	N/A	N/A			7.1	19.2			1.9	N/A			N/A					N/A					N/A
14	0.801	0.728	720	N/A	N/A			7.0	18.2			1.9	N/A			N/A					N/A					N/A
15	0.775	0.825	919	N/A	N/A			7.1	18.1			1.9	N/A		<1.8	N/A	15:50	7.6	19.3	9.1	N/A	16:00	7.8	18.4	8.7	N/A
16	0.768	0.903	934	N/A	N/A			7.1	18.1			2.0	N/A			N/A					N/A					N/A
17	0.772	0.913	959	N/A	N/A			7.1	17.4			2.1	N/A			N/A					N/A					N/A
18	0.768	0.916	941	N/A	N/A	380	400	7.1	16.3	4.4	2.5	2.3	N/A	<0.1		N/A					N/A					N/A
19	0.786	0.864	852	N/A	N/A			7.1	16.3			2.1	N/A			N/A					N/A					N/A
20	0.856	0.872	834	N/A	N/A			7.2	16.8			2.2	N/A			N/A					N/A					N/A
21	0.807	0.927	1018	N/A	N/A			7.1	17.1			2.3	N/A		<1.8	N/A					N/A					N/A
22	0.780	0.897	974	N/A	N/A			7.1	16.5			2.5	N/A			N/A	8:30	7.6	15.3	8.9	N/A	8:40	7.4	14.7	8.5	N/A
23	0.809	0.920	935	N/A	N/A			7.1	15.9			2.4	N/A			N/A					N/A					N/A
24	0.780	0.916	846	N/A	N/A			7.0	15.3			2.2	N/A			N/A					N/A					N/A
25	0.758	0.917	920	N/A	N/A	400	310	7.1	15.4	2.9	0.0	1.5	N/A	<0.1		N/A					N/A					N/A
26	0.792	0.867	819	N/A	N/A			7.1	15.9			1.7	N/A			N/A					N/A					N/A
27	0.885	0.872	744	N/A	N/A			7.1	18.1			2.1	N/A			N/A					N/A					N/A
28	0.836	0.932	896	N/A	N/A			7.1	16.4			1.8	N/A		<1.8	N/A					N/A					N/A
29	0.789	0.917	870	N/A	N/A			7.1	15.7			2.1	N/A			N/A	15:55	7.7	15.7	10.2	N/A	16:05	7.7	15.4	9.7	N/A
30	0.810	0.891	795	N/A	N/A			7.1	15.4			2.1	N/A			N/A					N/A					N/A
31	0.781	0.858	891	N/A	N/A			7.1	15.2			2.0	N/A			N/A					N/A					N/A

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER				
Ammonia Impact	Ammonia	Nitrate	Hardness	Total Phosphorus
N/A	N/A	N/A	N/A	N/A

MONTHLY RIVER RSW-001				
TDS	Hardness	Ammonia	Conductivity	Turbidity
450	160	ND	864	0.93

MONTHLY RIVER RSW-002				
TDS	Hardness	Ammonia	Conductivity	Turbidity
1200	310	ND	2330	1.76

MONTHLY TESTS REC-001 DISCHARGE TO LAND							
Organic Nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
1.50	290	2.70	4.30	ND	39	46	260

MONTHLY BOD & TSS	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	4	33	99	2	12	100

QUARTERLY GROUNDWATER MONITORING											
GW-001		GW-002		GW-006		GW-007		GW-009		GW-019	
Nitrate	TDS	Nitrate	TDS	Nitrate	TDS	TDS	Nitrate	TDS	Nitrate	TDS	Nitrate
1.8	150	10	130	5.1	230	4.4	180	2.6	170	ND	6200

QUARTERLY TESTING	ug/l
Bis(ethyly-hexy) Phthalate	ND
Total Chromium	ND
Dichlorobromomethane	ND

SEMI-ANNUAL CHRONIC TOXICITY		
Date	Species	TST Pass/Fail
	Rainbow Trout	N/A

Permit Exceedance

Signature:_____ Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: November 2024

	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	Entero cocci	TIME	PH	TEMP	D.O.	Entero cocci	TIME	PH	TEMP	D.O.	Entero cocci
1	0.851	0.857	886	N/A	N/A	390	320	7.2	15.5	5.1	0.0	1.6	N/A	<0.1		N/A	15:45	7.0	13.3	9.9	N/A	15:55	7.2	13.2	9.7	N/A
2	0.890	0.804	900	N/A	N/A			7.1	15.9			1.7	N/A			N/A					N/A					N/A
3	0.913	0.792	874	N/A	N/A			7.1	16.1			1.7	N/A			N/A					N/A					N/A
4	0.817	0.825	905	N/A	N/A			7.1	15.3			1.6	N/A		<1.8	N/A					N/A					N/A
5	0.791	0.857	932	N/A	N/A			7.1	15.2			1.8	N/A			N/A					N/A					N/A
6	0.782	0.891	904	N/A	N/A			7.1	14.8			1.9	N/A			N/A					N/A					N/A
7	0.769	0.890	951	N/A	N/A			7.1	14.5			1.5	N/A			N/A					N/A					N/A
8	0.770	0.875	939	N/A	N/A	450	340	7.1	14.4	5.5	0.0	1.5	N/A	<0.1		N/A					N/A					N/A
9	0.790	0.816	834	N/A	N/A			7.2	14.4			1.7	N/A			N/A					N/A					N/A
10	0.815	0.815	898	N/A	N/A			7.1	14.6			1.4	N/A			N/A					N/A					N/A
11	0.899	0.812	818	N/A	N/A			7.1	15.1			1.5	N/A			N/A					N/A					N/A
12	0.801	0.869	952	N/A	N/A			7.2	14.9			1.5	N/A		<1.8	N/A	13:25	7.8	13.9	10.6	N/A	13:35	7.7	13.8	10.0	N/A
13	0.863	0.863	988	N/A	N/A			7.2	14.7			1.7	N/A			N/A					N/A					N/A
14	0.890	0.889	939	N/A	N/A			7.2	15.0			2.0	N/A			N/A					N/A					N/A
15	0.806	0.895	950	N/A	N/A	370	280	7.1	13.9	4.0	0.0	2.0	N/A	<0.1		N/A					N/A					N/A
16	0.831	0.813	890	N/A	N/A			7.1	13.3			1.8	N/A			N/A					N/A					N/A
17	0.890	0.808	936	N/A	N/A			7.1	13.9			1.8	N/A			N/A					N/A					N/A
18	0.859	0.941	1098	1430	585	River Discharge		7.1	13.4			1.7	0.00		<1.8	N/A					N/A					N/A
19	0.824	1.184	1316	874	298			7.0	13.3			2.4	0.00			N/A	15:55	7.3	10.4	11.7	N/A	16:05	7.5	10.1	12.1	N/A
20	0.985	1.183	1242	660	239			7.1	13.1			2.0	0.00			N/A					N/A					N/A
21	1.306	1.567	1475	15900	4839			7.0	13.7			2.0	0.00			N/A					N/A					N/A
22	1.274	1.789	1636	20000	5487	420	450	6.9	14.7	3.0	3.2	2.4	0.00	<0.1		N/A					N/A					N/A
23	1.152	1.575	1433	9560	2994			7.1	14.0			2.1	0.00			N/A					N/A					N/A
24	1.105	1.446	1365	5880	1934			7.2	13.4			2.3	0.00			N/A					N/A					N/A
25	1.119	1.433	1336	4540	1525			6.9	13.3			2.0	0.00		<1.8	N/A					N/A					N/A
26	1.112	1.524	1414	5130	1628			7.0	13.7			2.2	0.00			N/A	13:25	7.3	13.0	10.8	N/A	13:35	7.4	12.2	11.2	N/A
27	1.034	1.395	1304	4160	1432	280	310	6.9	12.9	0.0	0.0	2.2	0.00	<0.1		N/A					N/A					N/A
28	1.032	1.391	1358	3180	1051			7.0	12.3			2.3	0.00			N/A					N/A					N/A
29	0.948	1.339	1345	2390	798			7.0	12.0			2.5	0.00			N/A					N/A					N/A
30	0.943	1.297	1329	1870	632			7.0	11.6			2.1	0.00			N/A					N/A					N/A

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Total Phosphorus
0.13	2.2	4.5	110	5.8

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
660	590	ND	1215	1.12

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
2900	590	ND	2642	1.86

MONTHLY TESTS REC-001 DISCHARGE TO LAND

Organic Nitrogen	TDS	AMMONIA	NITRATE	NITRITE	SODIUM	CHLORIDE	BORON
2.00	270	2.20	4.50	ND	38	46	240

MONTHLY BOD & TSS

	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	4	30	99	1	10	100

QUARTERLY GROUNDWATER MONITORING

GW-001		GW-002		GW-006		GW-007		GW-009		GW-019	
Nitrate	TDS	Nitrate	TDS	Nitrate	TDS	TDS	Nitrate	TDS	Nitrate	TDS	Nitrate
1.8	150	10	130	5.1	230	4.4	180	2.6	170	ND	6200

QUARTERLY TESTING

	ug/l
Bis(ethyly-hexy) Phthalate	ND
Total Chromium	ND
Dichlorobromomethane	ND

SEMI-ANNUAL CHRONIC TOXICITY

Date	Species	TST Pass/Fail
	Rainbow Trout	

Permit Exceedance

Signature:_____ Remarks:_____

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: December 2024

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	Entero cocci	RSW-001 TIME	RSW-001 PH	RSW-001 TEMP	RSW-001 D.O.	RSW-001 Entero cocci	RSW-002 TIME	RSW-002 PH	RSW-002 TEMP	RSW-002 D.O.	RSW-002 Entero cocci
1	1.036	1.366	1290	1480	515			7.0	11.5			2.1	0.00			N/A					N/A					N/A
2	0.974	1.328	1299	1200	415			7.0	12.1			2.2	0.00		<1.8	N/A	15:30	6.8	10.7	11.9	N/A	15:40	7.0	10.8	11.1	N/A
3	0.928	1.276	1249	995	358			7.0	12.5			2.2	0.00			N/A					N/A					N/A
4	0.927	1.301	1311	845	289			7.0	12.3			2.3	0.00			N/A					N/A					N/A
5	0.902	1.259	1238	732	265			7.0	12.9			2.1	0.00			N/A					N/A					N/A
6	0.899	1.262	1291	676	235	360	300	7.0	12.7	2.1	2.5	2.0	0.00	<0.1		N/A					N/A					N/A
7	0.921	1.215	1195	598	225			7.1	11.9			2.0	0.00			N/A					N/A					N/A
8	0.982	1.223	1239	556	201			7.1	12.3			2.0	0.00			N/A					N/A					N/A
9	0.916	1.273	1314	503	172			7.0	12.7			2.1	0.00		4.5	N/A					N/A					N/A
10	0.891	1.207	1225	456	167			7.0	12.1			2.0	0.00			N/A	13:05	7.6	10.5	11.8	N/A	13:15	7.2	11.6	10.2	N/A
11	0.891	1.176	1226	424	155			7.0	11.9			1.9	0.00			N/A					N/A					N/A
12	0.983	1.273	1216	713	263			6.9	12.4			1.9	0.00			N/A					N/A					N/A
13	1.076	1.238	1287	1690	589	440	290	7.0	12.3	2.6	2.5	2.1	0.00	<0.1		N/A					N/A					N/A
14	1.249	1.338	1113	7980	3218			7.1	13.2			2.1	0.00			N/A					N/A					N/A
15	1.190	1.415	1328	6620	2238			7.1	12.5			2.2	0.00			N/A					N/A					N/A
16	1.169	1.482	1401	4530	1451			6.9	12.8			2.3	0.00		<1.8	N/A					N/A					N/A
17	1.098	1.364	1258	4170	1488			7.0	12.9			2.4	0.00			N/A	16:00	7.4	11.7	11.1	N/A	16:10	7.4	11.4	11.1	N/A
18	1.078	1.442	1362	3220	1061			7.0	13.3			2.5	0.00			N/A					N/A					N/A
19	1.055	1.315	1263	2600	924			7.0	13.2			2.3	0.00			N/A					N/A					N/A
20	1.016	1.375	1354	2160	716	400	560	6.9	13.6	2.8	0.0	2.7	0.00	<0.1		N/A					N/A					N/A
21	1.062	1.308	1200	1890	707			7.0	13.8			2.5	0.00			N/A					N/A					N/A
22	1.073	1.234	1214	2190	810			6.9	14.1			2.3	0.00			N/A					N/A					N/A
23	1.134	1.292	1226	2190	802			7.0	13.5			2.2	0.00		<1.8	N/A	10:55	7.4	12.0	11.9	N/A	11:05	7.5	11.8	11.9	N/A
24	1.552	1.385	1200	11800	4414			7.0	13.5			2.4	0.00			N/A					N/A					N/A
25	1.240	1.495	1341	7270	2433			7.0	13.0			2.2	0.00			N/A					N/A					N/A
26	1.254	1.511	1381	5080	1651			6.9	13.3			2.6	0.00			N/A					N/A					N/A
27	1.348	1.556	1307	10300	3537	360	290	6.9	13.8	0.0	0.0	2.5	0.00	<0.1		N/A					N/A					N/A
28	1.375	1.598	1421	11500	3633			7.0	13.9			2.3	0.00			N/A					N/A					N/A
29	1.794	1.595	1409	18800	5989			7.1	13.6			2.5	0.00			N/A					N/A					N/A
30	1.488	1.665	1383	16100	5225			6.9	13.5			2.7	0.00		<1.8	N/A					N/A					N/A
31	1.369	1.694	1501	8230	2461			6.9	12.7			2.7	0.00			N/A					N/A					N/A

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

Ammonia Impact	Ammonia	Nitrate	Hardness	Total Phosphorus
0.2	3.0	5.2	95	5.1

MONTHLY RIVER RSW-001

TDS	Hardness	Ammonia	Conductivity	Turbidity
79	53	ND	123	34.3

MONTHLY RIVER RSW-002

TDS	Hardness	Ammonia	Conductivity	Turbidity
100	62	ND	172	31

MONTHLY TESTS REC-001 DISCHARGE TO 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 BOD & TSS

	BOD mg/L	BOD LBS/DAY	BOD % Removal	TSS mg/L	TSS LBS/DAY	TSS % Removal
30 DAY AVERAGE	2	20	100	1	13	100

QUARTERLY GROUNDWATER MONITORING

GW-001		GW-002		GW-006		GW-007		GW-009		GW-019	
Nitrate	TDS	Nitrate	TDS	Nitrate	TDS	TDS	Nitrate	TDS	Nitrate	TDS	Nitrate
1.8	150	10	130	5.1	230	4.4	180	2.6	170	ND	6200

QUARTERLY TESTING

	ug/l
Bis(ethyly-hexy) Phthalate	ND
Total Chromium	ND
Dichlorobromomethane	ND

SEMI-ANNUAL CHRONIC TOXICITY

Date	Species	TST Pass/Fail
12/13/2024	Rainbow Trout	PASS

Permit Exceedance

Signature:_____ Remarks:_____

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
January 2024

	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	8.4	15.4					7.2	13.0	9.0			2.6	2.3	0.00											
2	7.6	14.6		24			7.2	13.0	8.8		2.09	2.0	2.4	0.00				9:00	7.4	10.6	10.9	9:10	7.4	11.0	10.8
3	7.9	14.5		52			7.1	12.8	8.6		1.87	1.9	2.8	0.00											
4	8.5	16.0		64			7.1	13.4	8.6		2.08	2.4	2.4	0.00	4.0										
5	8.1	15.7	24	38	340	280	7.1	13.4	9.7	<0.1	1.46	2.3	2.3	0.00		3.8	3.4								
6	8.0	14.8					7.0	13.0	6.7			1.8	2.4	0.00											
7	8.3	14.7					7.1	12.2	8.2			1.8	2.3	0.00											
8	8.1	15.5		48			7.1	12.9	7.8		0.90	1.7	2.4	0.00	<1.8										
9	8.2	14.7		48			7.0	12.9	8.5		0.72	1.3	2.2	0.00				15:45	7.3	10.2	11.1	15:55	7.4	10.9	10.7
10	8.2	14.0		48			6.9	13.0	8.4		0.47	1.2	2.0	0.00											
11	7.7	13.7		24			6.9	12.1	7.8		0.62	1.0	2.4	0.00											
12	8.2	15.2	19	50	270	270	6.9	12.6	6.0	<0.1	0.91	1.2	2.5	0.00		2.7	3.6								
13	8.2	14.3					6.9	12.9	7.7			1.2	2.5	0.00											
14	8.0	14.3					6.9	12.9	7.4			1.2	2.0	0.00											
15	7.9	14.2					6.8	12.9	7.7			1.5	2.3	0.00											
16	8.1	15.8		44			6.8	13.1	7.4		1.74	1.1	2.3	0.00	7.8			8:30	7.4	9.8	10.8	8:45	7.4	9.9	11.1
17	8.1	15.2		44			7.0	13.6	7.1		1.59	0.8	2.5	0.00											
18	8.1	13.9		42			6.9	13.5	7.5		1.76	1.0	2.4	0.00											
19	8.2	14.9	23	48	300	380	6.9	13.4	7.3	<0.1	3.49	1.5	2.5	0.00		4.4	5.1								
20	7.9	14.6					6.9	13.5	7.2			1.0	2.3	0.00											
21	8.0	14.8					6.9	13.7	7.3			1.2	2.4	0.00											
22	8.1	15.3		50			7.0	14.3	8.1		2.66	1.2	2.4	0.00	<1.8										
23	8.1	14.9		46							No Discharge Washed CCB							15:35	7.1	11.5	10.4	15:45	7.4	11.5	9.2
24	8.0	15.5		48			7.0	13.8	7.4		1.05	1.3	1.8	0.00											
25	8.2	15.1		52			7.0	14.0	7.6		1.90	1.1	1.7	0.00											
26	8.2	15.0	9	56	190	140	6.9	14.1	7.7	<0.1	1.83	1.1	1.8	0.00		4.7	6.7								
27	7.8	14.8					6.9	14.4	7.0			1.2	1.6	0.00											
28	7.8	14.9					6.9	14.4	7.6			1.2	1.3	0.00											
29	8.0	15.8		48			6.9	15.5	7.2		1.56	1.1	1.4	0.00	<1.8										
30	8.1	15.6		54			6.9	15.0	7.3		1.99	1.2	1.4	0.00											
31	8.1	16.0		44			6.9	15.2	5.9		1.09	1.0	1.7	0.00											
Averag	8.1	15.0	19	46	275	268	7.0	13.5	7.7	<0.1	1.59	1.4	2.2	0.00	4.0	3.9	4.7		7.3	10.5	10.8		7.4	10.8	10.5
aximu	8.5	16.0	24	64	340	380	7.2	15.5	9.7	<0.1	3.49	2.6	2.8	0.00	7.8	4.7	6.7		7.4	11.5	11.1		7.4	11.5	11.1
linimu	7.6	13.7	9	24	190	140	6.8	12.1	5.9	<0.1	0.47	0.8	1.3	0.00	<1.8	2.7	3.4		7.1	9.8	10.4		7.4	9.9	9.2

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
February 2024

	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	15.2		44			6.9	14.6	7.2		1.05	1.1	1.8	0.00											
2	7.9	14.5	13	42	260	260	6.9	14.4	6.3	<0.1	1.59	1.2	1.9	0.00		3.1	3.0								
3	7.4	14.3					6.8	12.8	6.9			1.7	2.2	0.00											
4	7.8	13.4					6.8	12.8	6.3			1.7	2.1	0.00											
5	8.1	14.7		44			6.9	13.6	5.4		0.86	1.0	1.7	0.00	<1.8										
6	7.9	14.2		34			6.8	13.3	5.2		0.45	0.8	1.7	0.00				13:30	7.7	11.9	11.3	13:40	7.7	11.3	11.3
7	7.9	14.0		30			6.8	13.0	5.6		0.45	0.8	1.7	0.00											
8	8.0	14.1		32			6.8	13.0	5.8		1.30	1.0	1.9	0.00											
9	8.0	14.5	24	44	180	170	6.8	12.6	5.8	<0.1	1.18	1.1	1.8	0.00		3.0	3.5								
10	8.0	14.2					6.8	12.9	6.2			1.2	1.8	0.00											
11	8.0	14.5					6.9	12.9	6.1			1.3	1.7	0.00											
12	8.0	14.9		54			6.8	13.9	5.1		1.07	1.2	1.9	0.00											
13	8.0	14.7		40			6.9	13.4	5.0		1.44	1.1	1.5	0.00				13:20	7.4	12.1	10.8	13:30	7.5	10.5	12.4
14	7.9	14.9		46			6.9	14.0	5.8		1.38	1.1	1.9	0.00	<1.8										
15	8.0	14.7		36			6.8	13.7	5.1		1.32	1.1	1.7	0.00											
16	8.0	14.6	18	42	240	310	6.8	13.5	4.9	<0.1	2.27	1.3	1.7	0.00		4.3	4.9								
17	7.6	14.5					6.9	13.8	6.2			1.5	1.7	0.00											
18	7.4	13.3	.				6.9	13.2	6.3			1.4	1.9	0.00											
19	7.9	13.9					6.9	13.1	6.0			1.4	1.9	0.00											
20	7.8	14.2		32			6.8	13.1	5.7		2.30	1.2	1.9	0.00	<1.8			13:30	7.0	13.2	11.3	13:40	7.4	12.2	11.3
21	7.8	14.6		30			6.8	13.5	5.1		2.28	1.4	1.8	0.00											
22	7.9	14.7		32			6.8	13.3	5.9		2.49	1.4	1.8	0.00											
23	8.0	14.8	22	44	230	250	6.8	13.7	5.8	<0.1	2.60	1.5	1.8	0.00		3.5	3.2								
24	8.0	14.9					6.9	13.8	6.8			1.5	1.8	0.00											
25	8.2	15.5					6.9	13.7	6.1			1.5	1.9	0.00											
26	8.2	15.1		50			6.9	14.3	5.2		2.86	1.6	1.9	0.00	<1.8										
27	8.1	14.4		50			6.8	13.2	6.2		2.53	1.6	1.7	0.00				15:00	7.2	10.7	10.8	15:10	7.5	11.0	11.1
28	8.0	14.5		50			6.8	13.2	6.9		1.95	1.2	1.7	0.00											
29	8.3	14.7		52			6.9	13.8	7.3		1.66	1.3	1.8	0.00											
Averag	7.9	14.5	19	41	228	248	6.8	13.5	5.9	<0.1	1.65	1.3	1.8	0.00	<1.8	3.5	3.7		7.3	12.0	11.1		7.5	11.3	11.5
Maximu	8.3	15.5	24	54	260	310	6.9	14.6	7.3	<0.1	2.86	1.7	2.2	0.00	<1.8	4.3	4.9		7.7	13.2	11.3		7.7	12.2	12.4
Minimu	7.4	13.3	13	30	180	170	6.8	12.6	4.9	<0.1	0.45	0.8	1.5	0.00	<1.8	3.0	3.0		7.0	10.7	10.8		7.4	10.5	11.1

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
March 2024

	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	8.3	14.4	15	54	200	140	6.8	13.0	7.3	<0.1	1.63	1.2	1.7	0.00		2.4	2.7								
2	8.2	14.1					6.8	12.9	7.1			1.2	1.8	0.00											
3	7.8	14.3					6.8	12.8	5.9			1.2	1.8	0.00											
4	7.7	13.5		36			6.8	11.7	8.0		1.82	1.2	1.6	0.00	<1.8			11:00	7.4	8.7	11.3	11:10	7.5	8.8	11.5
5	8.0	13.1		38			6.9	12.3	9.4		1.47	1.2	2.2	0.00											
6	7.9	14.1		34			6.8	12.9	8.9		1.50	0.9	2.4	0.00											
7	8.1	13.9		44			6.7	12.5	7.5		1.28	0.9	2.5	0.00											
8	8.1	14.3	18	42	260	200	6.8	12.0	7.8	<0.1	1.47	1.5	1.7	0.00		2.1	0.0								
9	8.0	14.1					6.8	13.1	7.6			1.2	1.8	0.00											
10	7.8	13.7					6.8	12.7	7.3			1.3	1.8	0.00											
11	7.5	13.7		32			6.9	12.8	5.2		1.71	1.1	1.5	0.00	<1.8										
12	7.8	14.0		34			6.8	12.8	5.4		1.46	1.2	1.9	0.00											
13	7.7	13.2		28			6.8	12.4	5.5		1.51	3.9	1.7	0.00				15:00	7.7	12.6	10.9	15:10	7.5	11.6	10.7
14	7.7	12.7		28			6.8	12.7	5.9		1.64	1.3	1.6	0.00											
15	7.6	12.1	17	30	260	450	6.9	12.4	6.4	<0.1	1.73	1.1	1.6	0.00		4.6	3.3								
16	8.0	12.0					6.9	12.5	6.2			1.2	1.7	0.00											
17	7.8	12.1					6.9	12.4	6.1			1.4	1.7	0.00											
18	8.1	14.5		46			6.9	14.0	6.0		1.60	1.1	1.5	0.00	<1.8										
19	8.1	14.8		46			7.0	14.7	5.7		1.58	0.8	1.6	0.00				13:45	7.7	12.0	11.1	14:00	7.7	11.3	11.1
20	8.1	14.7		42			7.0	14.5	6.0		1.52	0.9	1.6	0.00											
21	8.1	14.9		46			7.0	14.8	6.0		1.46	0.9	1.5	0.00											
22	8.1	16.1	19	44	250	180	7.0	15.8	5.5	<0.1	1.39	1.0	1.5	0.00		4.6	2.6								
23	8.2	14.4					7.0	14.5	6.2			1.0	1.6	0.00											
24	7.9	14.1					6.9	14.2	6.1			1.9	2.1	0.00											
25	7.9	15.2		44			6.9	15.0	6.1		1.06	1.3	1.7	0.00	2.0										
26	8.0	14.9		46			6.9	14.8	6.4		1.31	1.9	1.6	0.00				15:45	7.7	12.4	11.1	15:55	7.8	13.0	11.2
27	8.2	15.1		54			7.0	15.0	6.3		1.21	1.0	1.7	0.00											
28	7.9	15.2		76			6.9	14.9	6.5		1.00	1.1	1.6	0.00											
29	8.0	14.9	15	48	190	200	6.9	14.5	6.5	<0.1	0.78	1.3	1.4	0.00		4.9	4.0								
30	7.9	13.9					6.9	13.5	6.8			1.3	1.5	0.00											
31	7.7	13.8					6.9	13.5	6.9			1.0	1.5	0.00											
Averag	7.9	14.1	17	42	232	234	6.9	13.5	6.6	<0.1	1.43	1.3	1.7	0.00	<1.8	3.7	2.5		7.6	11.4	11.1		7.6	11.2	11.1
aximu	8.3	16.1	19	76	260	450	7.0	15.8	9.4	<0.1	1.82	3.9	2.5	0.00	2.0	4.9	4.0		7.7	12.6	11.3		7.8	13.0	11.5
linimu	7.5	12.0	15	28	190	140	6.7	11.7	5.2	<0.1	0.46	0.8	1.4	0.00	<1.8	2.1	0.0		7.4	8.7	10.9		7.5	8.8	10.7

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
April 2024

	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	8.0	14.9		40			6.9	14.3	7.0		0.85	1.1	1.7	0.00	<1.8			11:00	7.1	11.5	11.1	11:10	7.2	11.2	11.3
2	8.0	14.8		38			7.0	14.9	7.3		0.78	1.1	1.2	0.00											
3	7.7	14.2		26			6.9	14.8	7.3		1.41	1.6	1.5	0.00											
4	8.3	15.1		48			7.0	13.6	8.7		1.43	1.2	1.4	0.00											
5	8.0	14.7	18	40	250	220	6.9	13.3	7.1	<0.1	0.99	2.4	1.4	0.00		5.0	4.5								
6	8.2	15.0					7.0	14.2	7.2			1.1	1.1	0.00											
7	8.2	14.9					7.0	14.1	7.8			1.0	1.4	0.00											
8	8.2	15.8		56			7.0	14.6	7.0		0.87	1.6	1.4	0.00	<1.8										
9	7.8	14.3		34							Washed CCB							15:15	7.2	13.8	10.8	15:20	7.3	14.3	10.8
10	8.0	14.9		52			7.1	14.7	8.2		0.31	1.3	0.8	0.00											
11	8.0	14.9		60			7.0	15.7	6.1		1.04	1.0	0.8	0.00											
12	8.2	15.8	15	66	260	240	7.0	15.4	6.7	<0.1	0.60	1.0	0.9	0.00		3.0	3.4								
13	8.2	15.4					7.1	15.8	7.5			1.4	1.0	0.00											
14	7.9	15.1					7.0	15.3	7.4			1.3	1.0	0.00											
15	8.0	15.0		44			7.0	15.0	8.5		1.45	2.9	1.0	0.00	<1.8										
16	8.0	15.0		44			6.8	15.2	8.4		1.39	1.6	1.5	0.00				14:00	7.2	15.4	10.5	14:10	7.4	14.0	10.7
17	7.7	14.5		34			7.0	15.2	8.4		1.29	2.2	1.3	0.00											
18	8.3	15.8		62			7.1	15.3	8.9		3.15	3.4	1.3	0.00											
19	7.9	16.1	25	30	310	260	6.8	16.3	8.1	<0.1	2.70	3.7	1.2	0.00		6.2	4.2								
20	7.9	16.0					6.9	16.2	7.2			3.4	1.3	0.00											
21	7.8	16.2					6.9	15.9	7.9			2.9	1.4	0.00											
22	8.0	15.9		38			7.1	16.6	7.8		3.00	3.4	1.0	0.00	<1.8										
23	8.2	15.6		54			7.1	16.8	7.5		3.20	3.9	1.1	0.00				15:55	7.4	15.1	10.1	16:05	7.4	14.9	10.1
24	8.1	15.4		42			7.0	16.4	7.4		2.97	2.8	0.9	0.00											
25	7.4	14.6		32			7.0	16.5	7.3		2.44	2.4	0.8	0.00											
26	7.7	15.0	20	40	320	250	7.0	16.2	7.7	<0.1	1.26	1.9	1.9	0.00		3.8	3.8								
27	8.0	16.1					7.1	16.5	7.8			1.8	1.5	0.00											
28	7.5	16.1					7.1	16.5	7.6			1.8	1.4	0.00											
29	8.0	16.4		46			7.1	16.9	8.0		1.59	1.6	1.3	0.00	<1.8										
30	8.3	16.2		68			7.0	16.9	7.9		1.46	1.6	1.6	0.00				8:25	7.5	11.6	10.7	8:40	7.5	12.2	10.2
Averag	8.0	15.3	20	45	285	243	7.0	15.5	7.6	<0.1	1.63	2.0	1.2	0.00	<1.8	4.5	4.0		7.3	13.5	10.6		7.4	13.3	10.6
Maximu	8.3	16.4	25	68	320	260	7.1	16.9	8.9	<0.1	3.20	3.9	1.9	0.00	<1.8	6.2	4.5		7.5	15.4	11.1		7.5	14.9	11.3
Minimu	7.4	14.2	15	26	250	220	6.8	13.3	6.1	<0.1	0.31	1.0	0.8	0.00	<1.8	3.0	3.4		7.1	11.5	10.1		7.2	11.2	10.1

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
May 2024

	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	15.9		58			7.1	16.6	8.2		1.11	1.4	1.2	0.00				11:10	7.3	13.6	10.5	11:25	7.3	13.8	10.4
2	8.1	15.2		48			7.1	16.7	9.0		1.13	1.1	1.2	0.00											
3	7.7	15.1	11	58	280	200	7.0	16.5	8.8	<0.1	0.95	0.9	1.3	0.00		2.6	0.0								
4	7.6	15.0					7.0	16.3	7.6			2.0	1.9	0.00											
5	7.6	14.3					7.0	15.5	8.0			1.0	1.7	0.00											
6	8.3	16.8		48			7.0	15.9	7.8		1.20	1.7	2.1	0.00	1600										
7	8.1	15.8		52			7.0	15.8	7.9		2.22	1.4	2.3	0.00				15:35	7.5	14.3	10.4	15:45	7.3	13.8	10.4
8	8.1	15.6		48			7.0	16.1	8.0		1.63	1.1	2.1	0.00	4.5										
9	8.1	16.5		50			7.0	16.9	8.0		1.41	1.1	2.1	0.00											
10	8.0	17.6	27	34	250	190	7.0	17.9	8.0	<0.1	0.67	0.7	2.3	0.00		0.0	0.0								
11	7.9	16.4					7.1	18.3	7.9			0.9	2.0	0.00											
12	7.6	15.9					7.1	18.2	7.5			0.9	1.6	0.00											
13	8.0	16.0		54			7.0	17.9	7.7		0.56	0.8	1.2	0.00	<1.8										
14	8.1	16.1		42			7.1	17.8	7.8		4.44	1.5	1.9	0.00				11:00	7.1	15.3	9.9	11:10	7.3	15.4	9.7
15	8.1	17.0		54			7.0	18.2	7.1		2.62	1.2	1.7	N/A											
16	8.1	16.2		50			7.0	18.0	6.8		2.47	1.3	1.7	N/A											
17	8.1	16.6	28	36	320	270	7.2	17.7	7.6	<0.1	1.36	1.0	1.7	N/A		3.4	2.9								
18	7.6	15.6					7.2	17.1	7.6			0.7	1.9	N/A											
19	7.9	15.9					7.3	17.1	8.0			0.7	0.9	N/A											
20	8.4	17.0		66			7.2	17.7	7.7		0.09	1.0	0.9	N/A											
21	8.5	17.2		84			7.1	17.6	7.7		3.43	1.5	2.8	N/A	1.8			15:00	7.1	17.9	9.8	15:10	7.5	18.2	9.4
22	8.1	16.5		50			7.1	17.9	7.5		2.61	1.2	2.7	N/A											
23	8.2	16.6		54			7.1	17.6	7.6		2.08	1.3	2.7	N/A											
24	8.1	16.5	28	38	380	260	7.1	18.0	7.7	<0.1	0.98	1.2	2.7	N/A		3.5	2.6								
25	7.2	16.1					7.2	18.2	7.8			1.2	2.6	N/A											
26	8.5	17.5					7.2	18.1	7.8			1.3	2.6	N/A											
27	8.1	16.8					7.3	18.2	7.8			1.2	2.6	N/A											
28	8.2	17.7		54			7.1	18.6	7.5		1.10	1.0	2.5	N/A	<1.8			8:40	7.4	16.2	9.6	8:50	7.5	16.9	9.3
29	8.1	17.3		50			7.2	18.4	7.4		5.08	2.6	2.8	N/A											
30	8.2	17.2		46			7.1	18.3	7.4		2.37	1.6	2.5	N/A											
31	8.4	17.8	28	50	380	320	7.1	18.3	7.4	<0.1	0.24	1.0	0.4	N/A		3.8	4.5								
Averag	8.0	16.4	24	51	322	248	7.1	17.5	7.8	<0.1	1.81	1.2	2.0	0.00	4.5	2.7	2.0		7.3	15.5	10.0		7.4	15.6	9.8
aximu	8.5	17.8	28	84	380	320	7.3	18.6	9.0	<0.1	5.08	2.6	2.8	0.00	1600.0	3.8	4.5		7.5	17.9	10.5		7.5	18.2	10.4
linimu	7.2	14.3	11	34	250	190	7.0	15.5	6.8	<0.1	0.09	0.7	0.4	0.00	<1.8	0.0	0.0		7.1	13.6	9.6		7.3	13.8	9.3

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
June 2024

	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	8.0	17.0					7.2	18.4	7.7			1.4	2.6	N/A											
2	7.6	16.7					7.2	19.1	7.8			1.2	2.5	N/A											
3	8.2	17.8		50			7.2	19.2	7.6		0.19	1.1	1.0	N/A	<1.8			14:00	7.1	19.6	9.6	14:10	7.4	20.6	9.1
4	8.3	17.4		64			7.2	19.3	7.6		0.15	2.7	0.7	N/A											
5	8.1	17.7		58			7.3	19.4	7.4		4.24	3.5	2.7	N/A											
6	8.0	16.9		48			7.2	19.4	6.7		2.50	3.1	2.6	N/A											
7	8.1	17.9	25	50	350	280	7.2	19.3	6.8	<0.1	1.02	1.7	2.5	N/A		5.4	3.8								
8	7.9	19.0					7.3	19.9	6.9			2.2	2.5	N/A											
9	7.8	18.4					7.2	19.7	6.5			1.8	2.4	N/A											
10	8.0	17.6		52			7.5	15.3	7.4		3.32	2.4	2.7	N/A	<1.8										
11	8.5	18.7		82			7.2	19.8	7.3		1.96	2.3	2.4	N/A				8:30	7.6	17.7	9.6	8:40	7.7	18.1	8.9
12	8.1	17.6		58			7.2	19.6	7.6		2.76	2.4	2.6	N/A											
13	8.1	17.1		52			7.2	19.0	7.9		2.05	2.3	2.5	N/A											
14	8.5	18.5	35	48	450	390	7.2	19.2	7.7	<0.1	0.94	2.3	2.4	N/A		2.2	5.6								
15	8.0	18.7					7.3	19.6	7.9			2.5	2.4	N/A											
16	8.3	19.1					7.4	19.2	8.3			2.7	2.6	N/A											
17	8.4	18.3		70			7.4	19.0	8.6		1.93	2.9	2.3	N/A	<1.8										
18	8.3	17.7		68			7.5	18.8	8.7		0.52	2.7	2.5	N/A				13:20	7.6	19.5	9.5	13:30	7.8	19.0	9.0
19	8.3	17.9		56			7.4	18.9	9.4		1.90	2.3	2.6	N/A											
20	8.0	17.1		48			7.5	18.7	8.9		2.45	2.8	2.6	N/A											
21	8.0	17.3	30	40	360	340	7.5	18.8	8.3	<0.1	0.95	2.6	2.6	N/A		5.0	3.4								
22	7.8	17.2					7.6	18.7	8.8			3.1	2.7	N/A											
23	8.1	17.7					7.6	18.7	9.3			3.1	2.6	N/A											
24	7.9	17.7		60			7.6	18.9	9.6		0.49	3.6	2.8	N/A	<1.8										
25	7.9	18.1		60			7.5	19.3	8.9		2.72	2.9	2.7	N/A				8:20	7.6	17.4	9.1	8:30	7.7	18.1	8.6
26	8.5	18.5		76			7.5	19.4	8.5		2.63	2.7	2.7	N/A											
27	7.9	18.1		50			7.5	19.4	8.0		2.77	3.1	2.6	N/A											
28	8.3	19.0	35	58	480	430	7.2	19.4	8.2	<0.1	2.46	3.1	2.5	N/A		6.4	5.0								
29	7.8	18.1					7.4	19.9	8.4			3.0	2.6	N/A											
30	8.4	19.0					7.4	20.3	7.9			2.6	2.6	N/A											
Average	8.1	17.9	31	57	410	360	7.4	19.1	8.0	<0.1	1.90	2.5	2.5		<1.8	4.8	4.5		7.5	18.6	9.5		7.7	19.0	8.9
Maximum	8.5	19.1	35	82	480	430	7.6	20.3	9.6	<0.1	4.24	3.6	2.8		<1.8	6.4	5.6		7.6	19.6	9.6		7.8	20.6	9.1
Minimum	7.6	16.7	25	40	350	280	7.2	15.3	6.5	<0.1	0.15	1.1	0.7		<1.8	2.2	3.4		7.1	17.4	9.1		7.4	18.1	8.6

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
July 2024

	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	8.0	18.7		50			7.5	20.4	8.0		2.95	2.5	2.7	N/A	<1.8			13:15	7.5	20.2	11.1	13:25	7.8	21.0	10.9
2	8.0	18.4		58			7.5	20.5	7.3		2.99	2.9	3.0	N/A											
3	8.0	18.7	32	54	390	350	7.5	20.4	7.0	<0.1	2.37	2.2	1.9	N/A		6.2	4.2								
4	7.9	19.1					7.4	20.7	6.8			2.3	2.0	N/A											
5	7.4	18.5		34			7.3	21.4	7.0		2.44	2.5	1.8	N/A											
6	8.2	20.2					7.4	21.9	6.3			2.5	2.0	N/A											
7	7.8	20.1					7.4	22.5	6.4			3.5	1.7	N/A											
8	8.0	20.1		62			7.4	21.2	6.3		2.46	2.3	1.9	N/A	<1.8										
9	7.8	18.6		60			7.2	21.6	4.6		2.54	3.8	1.9	N/A				8:30	7.3	19.9	8.6	8:40	7.6	20.1	8.0
10	7.2	19.3		48			7.2	21.1	3.5		2.83	1.9	1.7	N/A											
11	7.9	18.8		62			7.2	20.7	3.8		2.40	1.9	1.9	N/A											
12	7.6	18.3	34	46	400	310	7.2	20.5	4.4	<0.1	1.55	2.3	1.9	N/A		5.8	7.4								
13	7.8	19.2					7.1	20.3	4.2			2.4	1.9	N/A											
14	8.1	19.0					7.2	20.3	4.4			2.4	1.6	N/A											
15	7.9	18.8		58			7.2	19.4	3.4		2.95	4.2	1.6	N/A	<1.8										
16	8.2	19.1		70			7.2	19.8	4.8		3.16	2.8	1.7	N/A				11:05	7.4	18.6	9.1	11:15	7.6	18.6	8.4
17	8.1	19.3		76			7.1	19.6	4.2		2.09	2.8	1.9	N/A											
18	8.2	19.0		76			7.1	19.8	4.5		2.16	1.8	2.1	N/A											
19	7.9	19.1	31	48	400	340	7.1	19.9	4.6	<0.1	1.47	1.4	1.9	N/A		3.1	4.8								
20	7.9	19.4					7.2	20.2	5.9			2.2	1.9	N/A											
21	8.2	19.7					7.2	20.2	6.0			0.7	1.0	N/A											
22	7.4	18.4		30			7.1	20.3	4.9		3.54	1.9	1.6	N/A	<1.8										
23	8.3	19.7		82			7.1	20.1	5.3		0.26	0.8	1.0	N/A				15:50	7.8	23.1	8.9	16:00	8.0	22.8	9.3
24	7.8	19.2		58			7.1	20.1	5.0		2.69	1.7	1.8	N/A											
25	8.0	19.2		52			7.2	20.1	4.7		3.00	1.6	1.8	N/A											
26	7.7	18.3	30	40	310	300	7.2	19.5	5.1	<0.1	2.06	1.3	1.8	N/A		3.7	0.0						``		
27	7.9	19.3					7.1	19.7	3.4			2.0	1.9	N/A											
28	8.2	19.2					7.2	19.9	3.9			1.9	1.9	N/A											
29	8.1	19.8		78			7.2	19.9	3.8		3.27	1.3	1.9	N/A	<1.8										
30	8.2	20.2		68			7.2	20.3	3.7		2.72	1.7	1.8	N/A				11:05	7.7	21.3	8.9	11:15	7.7	21.3	8.5
31	7.4	18.9		34			7.2	20.5	3.4		1.75	1.0	1.8	N/A											
Averag	7.9	19.1	32	57	375	325	7.2	20.4	5.1	<0.1	2.44	2.1	1.8		<1.8	4.7	4.1		7.5	20.6	9.3		7.7	20.8	9.0
aximu	8.3	20.2	34	82	400	350	7.5	22.5	8.0	<0.1	3.54	4.2	3.0		<1.8	6.2	7.4		7.8	23.1	11.1		8.0	22.8	10.9
linimu	7.2	18.3	30	30	310	300	7.1	19.4	3.4	<0.1	0.26	0.7	1.0		<1.8	3.1	0.0		7.3	18.6	8.6		7.6	18.6	8.0

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
August 2024

	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	19.6		52			7.2	20.7	3.7		1.95	1.1	1.7	N/A				15:00	7.7	23.0	10.4	15:10	7.6	23.1	10.2
2	7.5	19.2	28	44	360	260	7.2	20.8	4.1	<0.1	1.33	1.2	1.8	N/A		4.0	0.0								
3	7.8	19.2					7.1	20.5	3.9			1.1	1.9	N/A											
4	8.0	19.8					7.1	20.2	4.1			1.6	1.8	N/A											
5	8.1	19.7		86			7.1	20.4	4.3		2.91	1.2	1.8	N/A	<1.8										
6	8.0	19.1		54			7.2	20.1	5.5		2.24	1.6	1.6	N/A				16:05	8.2	21.0	9.4	16:15	8.1	21.0	9.4
7	7.8	19.4		62			7.2	20.3	5.5		2.38	1.7	1.5	N/A											
8	8.0	20.4		66			7.2	20.2	5.3		2.35	2.3	1.2	N/A											
9	7.5	19.4	28	44	390	280	7.1	19.9	4.8	<0.1	1.75	1.4	1.4	N/A		3.6	0.0								
10	7.8	19.6					7.1	20.0	5.6			2.2	1.5	N/A											
11	8.0	19.6					7.2	19.7	5.0			1.1	1.2	N/A											
12	7.4	19.0		32			7.1	19.9	6.0		1.90	1.4	1.3	N/A	<1.8										
13	8.2	20.3		82			7.1	20.0	5.2		1.86	0.9	1.3	N/A				10:25	7.7	19.8	9.2	10:40	7.8	19.7	8.7
14	7.5	19.5		40			7.1	20.3	5.3		1.66	1.4	1.2	N/A											
15	7.9	20.1		60			7.1	20.4	3.4		3.80	1.8	1.2	N/A											
16	8.1	20.6	28	50	390	290	7.1	20.7	3.7	<0.1	2.43	0.7	0.6	N/A		2.1	3.0								
17	7.9	19.9					7.1	21.0	3.7			2.4	1.3	N/A											
18	8.3	20.8					7.2	21.1	3.8			4.2	1.1	N/A											
19	7.8	20.0		56			7.2	20.8	4.4		3.40	2.1	1.2	N/A	2.0										
20	7.9	19.9		62			7.1	20.9	4.0		4.88	3.0	1.0	N/A				15:55	8.4	22.6	9.3	16:05	8.4	22.8	10.6
21	8.2	21.0		76			7.1	21.0	3.6		3.20	2.7	1.1	N/A											
22	8.1	20.3		78			7.1	21.2	3.6		1.64	1.8	1.1	N/A											
23	7.9	19.9	30	48	400	350	7.1	20.6	3.7	<0.1	1.87	2.1	1.0	N/A		2.3	0.0								
24	7.4	19.3					7.0	19.8	3.2			1.6	1.6	N/A											
25	8.3	18.8					7.1	19.1	3.8			1.7	1.2	N/A											
26	8.0	20.4		74			7.0	19.8	3.2		1.73	2.4	0.9	N/A	<1.8										
27	7.8	19.7		60			7.0	19.9	3.1		1.38	1.4	1.2	N/A				10:50	7.5	19.6	8.9	11:00	7.6	19.4	7.8
28	8.0	19.8		66			7.0	19.8	3.1		1.57	2.4	1.2	N/A											
29	8.1	19.6		70			7.1	19.5	4.8		1.69	1.9	1.3	N/A											
30	8.0	19.7	19	44	510	440	7.1	19.4	5.3	<0.1	1.33	1.1	1.3	N/A		4.0	2.6								
31	7.6	19.0					7.1	19.3	5.6			1.0	1.4	N/A											
Averag	7.9	19.8	27	59	410	324	7.1	20.2	4.3	<0.1	2.24	1.8	1.3	N/A	<1.8	3.2	1.1		7.9	21.2	9.4		7.9	21.2	9.4
aximu	8.3	21.0	30	86	510	440	7.2	21.2	6.0	<0.1	4.88	4.2	1.9	N/A	2.0	4.0	3.0		8.4	23.0	10.4		8.4	23.1	10.6
linimu	7.4	18.8	19	32	360	260	7.0	19.1	3.1	<0.1	1.33	0.7	0.6	N/A	<1.8	2.1	0.0		7.5	19.6	8.9		7.6	19.4	7.8

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
September 2024

	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	20.1					7.1	19.5	5.7			0.9	1.4	N/A											
2	7.7	19.1					7.1	19.3	5.3			1.9	1.3	N/A											
3	7.9	19.6		58			7.1	19.3	3.4		1.38	0.9	1.5	N/A	2.0			15:30	7.9	22.0	9.8	15:40	8.2	22.5	10.0
4	8.1	20.5		82			7.1	19.4	3.5		1.95	2.5	1.6	N/A											
5	8.4	20.0		82			7.1	19.4	3.1		1.26	0.9	1.5	N/A											
6	8.0	19.6	30	48	400	360	7.1	19.5	3.6	<0.1	1.65	2.5	1.7	N/A		3.6	0.0								
7	8.3	20.7					7.2	19.5	5.6			1.6	1.4	N/A											
8	7.9	19.9					7.2	19.5	6.4			1.5	1.5	N/A											
9	7.9	19.7		58			7.2	19.5	5.2		2.36	1.5	1.5	N/A	<1.8										
10	7.6	18.7		60			7.1	19.5	5.8		2.20	1.6	1.7	N/A				9:10	7.5	19.1	8.4	9:20	7.7	18.9	8.6
11	8.2	19.5		84			7.1	19.1	5.8		2.43	3.7	1.4	N/A											
12	7.9	19.9		66			7.1	19.3	6.3		1.89	1.4	1.5	N/A											
13	7.8	19.4	26	44	430	280	7.1	19.3	5.1	<0.1	2.10	2.3	1.4	N/A		2.1	3.1								
14	7.9	20.1					7.0	19.4	5.0			2.5	1.5	N/A											
15	7.6	19.2					7.0	19.8	4.7			2.0	1.4	N/A											
16	8.2	20.4		68			7.1	19.6	7.8		2.40	2.1	1.4	N/A	<1.8										
17	7.8	19.2		48			7.2	19.0	7.9		2.10	3.0	1.6	N/A				16:00	7.6	19.1	8.7	16:10	7.7	18.8	8.4
18	8.1	20.2		68			7.1	19.3	5.4		1.73	1.9	1.5	N/A											
19	8.3	19.7		96			7.1	19.2	5.8		2.28	2.5	1.5	N/A											
20	7.9	19.0	34	48	460	350	7.1	18.9	5.6	<0.1	2.43	1.9	1.5	N/A		4.2	2.9								
21	7.8	19.9					7.0	19.2	5.4			2.2	1.5	N/A											
22	7.9	19.8					7.1	19.4	4.8			2.1	1.5	N/A											
23	7.4	18.5		46			7.2	18.5	5.3		2.42	1.8	1.2	N/A	<1.8										
24	8.3	20.6		82			7.1	18.7	6.2		1.93	1.6	1.4	N/A				9:40	7.5	19.2	8.8	9:50	7.4	17.9	8.7
25	7.9	19.1		82			7.1	18.5	5.6		2.10	1.6	1.4	N/A											
26	8.1	19.0		72			7.1	18.2	6.1		1.99	1.5	1.6	N/A											
27	7.9	17.8	26	66	320	310	7.2	17.2	7.2	<0.1	1.91	1.2	1.4	N/A		2.0	0.0								
28	7.6	18.8					7.2	17.8	7.5			1.7	1.4	N/A											
29	7.9	18.9					7.1	17.7	6.6			1.1	1.4	N/A											
30	8.0	19.2		68			7.1	17.6	4.0		2.14	1.2	1.4	N/A	<1.8										
Averag	8.0	19.5	29	66	403	325	7.1	19.0	5.5	<0.1	2.03	1.8	1.5		<1.8	3.0	1.5		7.6	19.9	8.9		7.8	19.5	8.9
Maximu	8.4	20.7	34	96	460	360	7.2	19.8	7.9	0.0	2.43	3.7	1.7		2.0	4.2	3.1		7.9	22.0	9.8		8.2	22.5	10.0
Minimu	7.4	17.8	26	44	320	280	7.0	17.2	3.1	0.0	1.26	0.9	1.2		<1.8	2.0	0.0		7.5	19.1	8.4		7.4	17.9	8.4

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
October 2024

	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	19.0		78			7.1	17.4	5.4		2.84	0.9	0.7	N/A				15:00	7.7	19.1	9.9	15:10	7.6	19.5	8.7
2	7.9	18.9		64			7.1	17.4	5.1		2.27	1.4	1.4	N/A											
3	8.4	19.7		92			7.1	17.3	5.5		2.07	1.5	1.9	N/A											
4	8.0	18.7	32	60	530	390	7.1	17.0	5.9	<0.1	2.33	1.7	1.6	N/A		5.6	3.8								
5	7.4	18.6					7.1	17.1	5.7			1.5	1.9	N/A											
6	8.4	19.9					7.1	17.3	5.2			1.6	1.8	N/A											
7	8.3	19.6		88			7.1	17.4	5.1		2.20	2.2	1.8	N/A	<1.8										
8	8.0	18.8		62			NO EFFLUENT TESTING-CCB WASH							N/A				16:05	7.7	18.7	9.6	16:15	7.6	18.7	9.6
9	8.2	19.5		76			7.2	18.5	6.2		2.17	1.5	2.3	N/A											
10	8.2	18.8		76			7.1	17.5	6.5		2.41	1.5	2.2	N/A											
11	8.3	19.7	32	62	360	330	7.1	17.4	4.5	<0.1	2.35	2.3	2.1	N/A		5.0	0.0								
12	7.8	19.2					7.0	17.5	4.5			2.1	2.0	N/A											
13	7.6	18.1					7.1	19.2	3.9			2.1	1.9	N/A											
14	7.8	19.2					7.0	18.2	6.4			1.2	1.9	N/A											
15	7.9	19.5		52			7.1	18.1	3.5		2.49	1.1	1.9	N/A	<1.8			15:50	7.6	19.3	9.1	16:00	7.8	18.4	8.7
16	8.4	19.5		58			7.1	18.1	3.6		2.54	2.3	2.0	N/A											
17	7.5	17.5		40			7.1	17.4	3.7		2.40	1.2	2.1	N/A											
18	7.8	17.7	33	56	380	400	7.1	16.3	3.9	<0.1	2.62	1.2	2.3	N/A		4.4	2.5								
19	7.9	18.8					7.1	16.3	5.9			1.8	2.1	N/A											
20	8.5	19.3					7.2	16.8	4.9			0.9	2.2	N/A											
21	8.3	18.7		90			7.1	17.1	4.1		2.89	1.1	2.3	N/A	<1.8										
22	8.0	18.0		78			7.1	16.5	3.9		7.04	3.0	2.5	N/A				8:30	7.6	15.3	8.9	8:40	7.4	14.7	8.5
23	8.4	18.4		90			7.1	15.9	3.6		4.32	1.0	2.4	N/A											
24	8.1	17.8		70			7.0	15.3	4.2		1.11	0.8	2.2	N/A											
25	8.0	17.3	28	50	400	310	7.1	15.4	5.6	<0.1	0.88	0.8	1.5	N/A		2.9	0.0								
26	7.6	18.1					7.1	15.9	6.1			0.8	1.7	N/A											
27	7.6	17.9					7.1	18.1	4.9			1.2	2.1	N/A											
28	7.5	17.6		44			7.1	16.4	4.5		0.65	0.7	1.8	N/A	<1.8										
29	7.9	17.2		62			7.1	15.7	4.6		2.30	1.1	2.1	N/A				15:55	7.7	15.7	10.2	16:05	7.7	15.4	9.7
30	8.0	17.4		64			7.1	15.4	4.2		2.35	2.0	2.1	N/A											
31	8.2	17.3		54			7.1	15.2	4.6		2.52	2.6	2.0	N/A											
Averag	8.0	18.6	31	67	418	358	7.1	17.0	4.9	<0.1	2.51	1.5	2.0	N/A	<1.8	4.5	1.6		7.7	17.6	9.5		7.6	17.3	9.0
Maximu	8.5	19.9	33	92	530	400	7.2	19.2	6.5	<0.1	7.04	3.0	2.5	N/A	<1.8	5.6	3.8		7.7	19.3	10.2		7.8	19.5	9.7
Minimu	7.4	17.2	28	40	360	310	7.0	15.2	3.5	<0.1	0.65	0.7	0.7	N/A	<1.8	2.9	0.0		7.6	15.3	8.9		7.4	14.7	8.5

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
November 2024

	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	17.9	30	62	390	320	7.2	15.5	6.2	<0.1	2.35	1.4	1.6	N/A		5.1	0.0	15:45	7.0	13.3	9.9	15:55	7.2	13.2	9.7
2	7.6	17.1					7.1	15.9	4.2			1.2	1.7	N/A											
3	7.8	16.8					7.1	16.1	6.2			1.4	1.7	N/A											
4	7.7	16.6		70			7.1	15.3	5.1		2.04	0.9	1.6	N/A	<1.8										
5	8.1	17.6		58			7.1	15.2	4.9		3.76	1.5	1.8	N/A											
6	7.7	17.0		56			7.1	14.8	5.2		1.66	0.7	1.9	N/A											
7	8.1	17.2		70			7.1	14.5	5.8		0.89	0.9	1.5	N/A											
8	8.3	17.6	29	52	450	340	7.1	14.4	5.6	<0.1	1.04	1.1	1.5	N/A		5.5	0.0								
9	8.1	17.2					7.2	14.4	5.5			1.2	1.7	N/A											
10	7.8	17.8					7.1	14.6	5.1			1.2	1.4	N/A											
11	7.6	17.3					7.1	15.1	5.3			0.8	1.5	N/A											
12	8.1	17.2		60			7.2	14.9	5.5		1.43	0.7	1.5	N/A	<1.8			13:25	7.8	13.9	10.6	13:35	7.7	13.8	10.0
13	7.9	16.4		52			7.2	14.7	5.6		2.77	1.2	1.7	N/A											
14	7.5	15.6		30			7.2	15.0	5.4		2.75	1.3	2.0	N/A											
15	7.5	16.1	20	34	370	280	7.1	13.9	6.0	<0.1	2.61	1.5	2.0	N/A		4.0	0.0								
16	7.4	15.4					7.1	13.3	4.9			0.9	1.8	N/A											
17	8.1	16.5					7.1	13.9	4.2			0.9	1.8	N/A											
18	8.0	16.2		70			7.1	13.4	4.0		5.02	1.0	1.7	0.00	<1.8			Started River Discharge							
19	8.5	16.6		64			7.0	13.3	4.9		1.86	0.7	2.4	0.00				15:55	7.3	10.4	11.7	16:05	7.5	10.1	12.1
20	8.1	16.2		60			7.1	13.1	5.8		1.95	0.6	2.0	0.00											
21	8.1	15.8		48			7.0	13.7	5.2		3.38	1.1	2.0	0.00											
22	8.2	16.2	37	36	420	450	6.9	14.7	5.1	<0.1	2.91	1.2	2.4	0.00		3.0	3.2								
23	8.3	16.3					7.1	14.0	5.6			0.5	2.1	0.00											
24	8.4	15.6					7.2	13.4	5.9			0.8	2.3	0.00											
25	7.9	15.1		42			6.9	13.3	5.5		2.26	0.6	2.0	0.00	<1.8										
26	8.1	15.5		50			7.0	13.7	5.7		1.80	0.7	2.2	0.00				13:25	7.3	13.0	10.8	13:35	7.4	12.2	11.2
27	8.3	16.0	25	44	280	310	6.9	12.9	5.9	<0.1	2.50	0.8	2.2	0.00		0.0	0.0								
28	8.3	15.2					7.0	12.3	6.0			0.7	2.3	0.00											
29	8.4	16.4					7.0	12.0	5.5			0.6	2.5	0.00											
30	8.4	16.1					7.0	11.6	5.5			0.8	2.1	0.00											
Averag	8.0	16.5	28	53	382	340	7.1	14.1	5.4	<0.1	2.39	1.0	1.9	0.00	<1.8	3.5	0.6		7.4	12.7	10.8		7.5	12.3	10.8
Maximu	8.5	17.9	37	70	450	450	7.2	16.1	6.2	<0.1	5.02	1.5	2.5	0.00	<1.8	5.5	3.2		7.8	13.9	11.7		7.7	13.8	12.1
Minimu	7.4	15.1	20	30	280	280	6.9	11.6	4.0	<0.1	0.89	0.5	1.4	0.00	<1.8	0.0	0.0		7.0	10.4	9.9		7.2	10.1	9.7

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
December 2024

	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	8.4	16.2					7.0	11.5	5.8			0.6	2.1	0.00											
2	8.1	15.5		66			7.0	12.1	6.6		3.45	0.6	2.2	0.00	<1.8			15:30	6.8	10.7	11.9	15:40	7.0	10.8	11.1
3	8.2	16.1		54			7.0	12.5	5.5		3.14	0.6	2.2	0.00											
4	8.6	16.4		80			7.0	12.3	5.8		3.05	0.7	2.3	0.00											
5	8.1	16.0		52			7.0	12.9	6.3		3.25	0.6	2.1	0.00											
6	8.2	15.9	24	44	360	300	7.0	12.7	5.9	<0.1	3.07	0.7	2.0	0.00		2.1	2.5								
7	7.5	14.9					7.1	11.9	6.7			0.6	2.0	0.00											
8	7.4	15.1					7.1	12.3	6.8			0.6	2.0	0.00											
9	8.1	15.9		68			7.0	12.7	6.1		2.91	0.7	2.1	0.00	4.5										
10	8.2	16.0		62			7.0	12.1	6.9		1.66	0.6	2.0	0.00				13:05	7.6	10.5	11.8	13:15	7.2	11.6	10.2
11	8.2	15.6		60			7.0	11.9	6.7		1.86	0.9	1.9	0.00											
12	8.2	14.9		56			6.9	12.4	6.2		1.68	0.9	1.9	0.00											
13	7.7	14.4	23	40	440	290	7.0	12.3	6.9	<0.1	1.89	1.8	2.1	0.00		2.6	2.5								
14	8.0	15.0					7.1	13.2	6.1			1.6	2.1	0.00											
15	8.1	15.3					7.1	12.5	7.8			1.5	2.2	0.00											
16	7.9	14.9		48			6.9	12.8	6.2		2.72	1.3	2.3	0.00	<1.8										
17	8.2	15.3		54			7.0	12.9	6.2		0.98	0.9	2.4	0.00				16:00	7.4	11.7	11.1	16:10	7.4	11.4	11.1
18	8.2	15.7		48			7.0	13.3	6.5		2.24	0.9	2.5	0.00											
19	8.2	15.5		60			7.0	13.2	6.5		2.64	1.1	2.3	0.00											
20	8.0	15.3	23	44	400	560	6.9	13.6	6.3	<0.1	2.44	1.2	2.7	0.00		2.8	0.0								
21	7.8	14.8					7.0	13.8	5.8			1.0	2.5	0.00											
22	7.6	15.8					6.9	14.1	5.1			1.1	2.3	0.00											
23	8.2	15.8		60			7.0	13.5	6.6		3.44	0.8	2.2	0.00	<1.8			10:55	7.4	12.0	11.9	11:05	7.5	11.8	11.9
24	8.1	16.9					7.0	13.5	5.9			1.0	2.4	0.00											
25	7.6	14.2					7.0	13.0	4.6			1.2	2.2	0.00											
26	8.2	15.3		56			6.9	13.3	6.8		4.20	1.3	2.6	0.00											
27	7.9	15.2	26	42	360	290	6.9	13.8	6.3	<0.1	3.62	0.5	2.5	0.00		0.0	0.0								
28	7.8	14.8					7.0	13.9	6.1			1.0	2.3	0.00											
29	7.6	14.2					7.1	13.6	6.5			1.0	2.5	0.00											
30	7.7	14.2		34			6.9	13.5	6.0		4.26	1.5	2.7	0.00	<1.8										
31	7.8	13.4		32			6.9	12.7	7.8		4.68	0.6	2.7	0.00											
Averag	8.0	15.3	24	53	390	360	7.0	12.9	6.3	<0.1	2.86	0.9	2.3	0.00	<1.8	1.9	1.3		7.3	11.2	11.7		7.3	11.4	11.1
aximu	8.6	16.9	26	80	440	560	7.1	14.1	7.8	<0.1	4.68	1.8	2.7	0.00	4.5	2.8	2.5		7.6	12.0	11.9		7.5	11.8	11.9
linimu	7.4	13.4	23	32	360	290	6.9	11.5	4.6	<0.1	0.98	0.5	1.9	0.00	<1.8	0.0	0.0		6.8	10.5	11.1		7.0	10.8	10.2

McKinleyville Community Services District Wastewater Management Facility Influent & Effluent Testing
Average Annual 2024

	INFLUENT						EFFLUENT											RIVER RSW-01			RIVER RSW-02		
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	8.1	15.0	19	46	275	268	7.0	13.5	7.7	<0.1	1.59	1.4	2.2	0.00	4.0	3.9	4.7	7.3	10.5	10.8	7.4	10.8	10.5
February	7.9	14.5	19	41	228	248	6.8	13.5	5.9	<0.1	1.65	1.3	1.8	0.00	<1.8	3.5	3.7	7.3	12.0	11.1	7.5	11.3	11.5
March	7.9	14.1	17	42	232	234	6.9	13.5	6.6	<0.1	1.43	1.3	1.7	0.00	<1.8	3.7	2.5	7.6	11.4	11.1	7.6	11.2	11.1
April	8.0	15.3	20	45	285	243	7.0	15.5	7.6	<0.1	1.63	2.0	1.2	0.00	<1.8	4.5	4.0	7.3	13.5	10.6	7.4	13.3	10.6
May	8.0	16.4	24	51	322	248	7.1	17.5	7.8	<0.1	1.81	1.2	2.0	0.00	4.5	2.7	2.0	7.3	15.5	10.0	7.4	15.6	9.8
June	8.1	17.9	31	57	410	360	7.4	19.1	8.0	<0.1	1.90	2.5	2.5	N/A	<1.8	4.8	4.5	7.5	18.6	9.5	7.7	19.0	8.9
July	7.9	19.1	32	57	375	325	7.0	20.4	5.1	<0.1	2.44	2.1	1.8	N/A	<1.8	4.7	4.1	7.5	20.6	9.3	7.7	20.8	9.0
August	7.9	19.8	27	59	410	324	7.1	20.2	4.3	<0.1	2.24	1.8	1.3	N/A	<1.8	3.2	1.1	7.9	21.2	9.4	7.9	21.2	9.4
September	8.0	19.5	29	66	403	325	7.1	19.0	5.5	<0.1	2.03	1.8	1.5	N/A	<1.8	3.0	1.5	7.6	19.9	8.9	7.8	19.5	8.9
October	8.0	18.6	31	67	418	358	7.1	17.0	4.9	<0.1	2.51	1.5	2.0	N/A	<1.8	4.5	1.6	7.7	17.6	9.5	7.6	17.3	9.0
November	8.0	16.5	28	53	382	340	7.1	14.1	5.4	<0.1	2.39	1.0	1.9	0.00	<1.8	3.5	0.6	7.4	12.7	10.8	7.5	12.3	10.8
December	8.0	15.3	24	53	390	360	7.0	12.9	6.3	<0.1	2.86	0.9	2.3	0.00	<1.8	1.9	1.3	7.3	11.2	11.7	7.3	11.4	11.1
Average	8.0	16.8	25	53	344	303	7.1	16.4	6.3	<0.1	2.0	1.6	1.9	0.00	<1.8	3.7	2.6	7.5	15.4	10.2	7.6	15.3	10.1
Maximum	8.1	19.8	32	67	418	360	7.4	20.4	8.0	<0.1	2.9	2.5	2.5	0.00	535.0	4.8	4.7	7.9	21.2	11.7	7.9	21.2	11.5
Minimum	7.9	14.1	17	41	228	234	6.8	12.9	4.3	<0.1	1.4	0.9	1.2	0.00	<1.8	1.9	0.6	7.3	10.5	8.9	7.3	10.8	8.9

McKinleyville CSD
Waste Water Management Facility 30 Day Average
BOD & TSS Work Sheet 2024

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	
1/5/2024	0.991	1.309	340	3.8	280	3.4	4	41	99	3	37	99	
1/12/2024	1.090	1.364	270	2.7	270	3.6	3	31	99	4	41	99	
1/19/2024	1.159	1.377	300	4.4	380	5.1	4	51	99	5	59	99	
1/26/2024	1.233	1.654	190	4.7	140	6.7	5	65	98	7	92	95	
							4	47	98	5	57	98	**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	
2/2/2024	1.496	1.668	260	3.0	260	3.0	3	42	99	3	42	99	
2/9/2024	1.352	1.756	180	3.0	170	3.5	3	44	98	4	51	98	
2/16/2024	1.361	1.580	240	4.0	310	4.9	4	53	98	5	65	98	
2/23/2024	1.314	1.692	230	4.0	250	3.2	4	56	98	3	45	99	
							4	49	98	4	51	98	**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	
3/1/2024	1.338	1.593	200	2.4	140	2.7	2	32	99	3	36	98	
3/8/2024	1.364	1.697	260	2.1	200	0.0	2	30	99	0	0	100	
3/15/2024	1.310	1.673	260	4.6	450	3.3	5	64	98	3	46	99	
3/22/2024	1.203	1.480	250	4.6	180	2.6	5	57	98	3	32	99	
3/29/2024	1.529	1.693	190	4.9	200	4.0	5	69	97	4	56	98	
							4	50	98	3	34	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	
4/4/2024	1.246	1.515	250	5.0	220	4.5	5	63	98	5	57	98	
4/12/2024	1.109	1.378	260	3.0	240	3.4	3	34	99	3	39	99	
4/19/2024	1.023	1.361	310	6.2	260	4.2	6	70	98	4	48	98	
4/26/2024	1.021	1.118	320	3.8	250	3.8	4	35	99	4	35	98	
							5	51	98	4	45	98	**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	
5/3/2024	1.001	1.032	280	2.6	200	0.0	3	22	99	0	0	100	
5/10/2024	1.067	1.347	250	0.0	190	0.0	0	0	100	0	0	100	
5/17/2024	0.982	0.813	320	3.4	270	2.9	3	23	99	3	20	99	
5/24/2024	0.922	0.826	380	3.5	260	2.6	4	24	99	3	18	99	
5/31/2024	0.884	0.827	380	3.8	320	4.5	0	0	99	0	31	99	
							2	17	99	1	9	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	
6/7/2024	0.898	0.803	350	5.4	280	3.8	5	36	98	4	25	99	
6/14/2024	0.903	0.710	450	2.2	390	5.6	2	13	100	6	33	99	
6/21/2024	0.850	0.704	360	5.0	340	3.4	5	29	99	3	20	99	
6/28/2024	0.826	0.779	480	6.4	430	5.0	6	42	99	5	32	99	
							5	30	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	
7/3/2024	0.828	0.775	390	6.2	350	4.2	6	40	98	4	27	99	
7/12/2024	0.815	0.875	400	5.8	310	7.4	6	42	99	7	54	98	
7/19/2024	0.800	0.946	400	3.1	340	4.8	3	24	99	5	38	99	
7/26/2024	0.794	0.916	310	3.7	300	0.0	4	28	99	0	0	100	
							5	34	99	4	30	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	
8/2/2024	0.804	0.926	360	4.0	260	0.0	4	31	99	0	0	100	
8/9/2024	0.792	0.637	390	3.6	280	0.0	4	19	99	0	0	100	
8/16/2024	0.781	0.762	390	2.1	290	3.0	2	13	99	3	19	99	
8/23/2024	0.829	0.704	400	2.3	350	0.0	2	14	99	0	0	100	
8/30/2024	0.774	0.728	510	4.0	440	2.6	4	24	99	3	16	99	
							3	20	99	1	7	100	**Monthly Avg.**

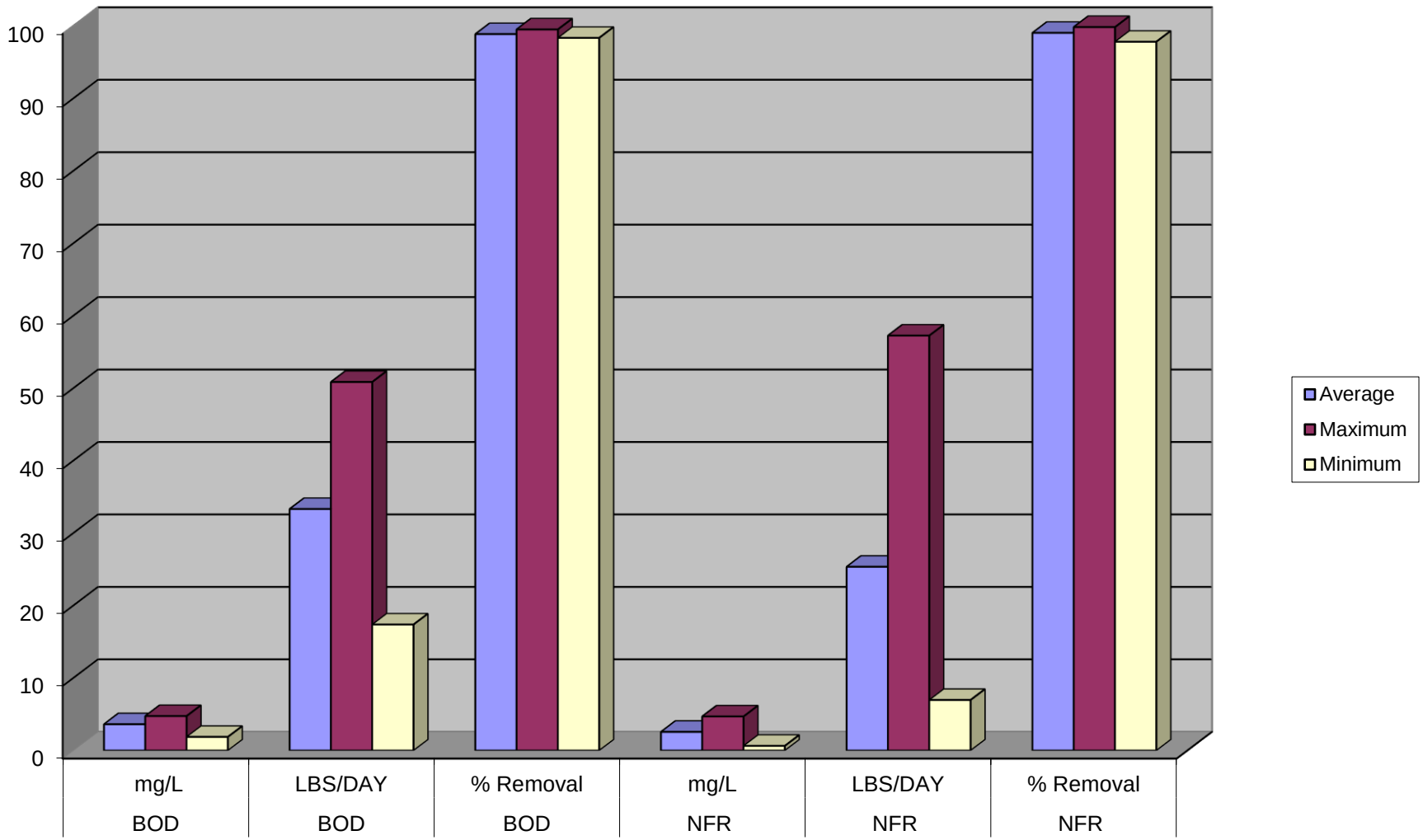
DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
9/6/2024	0.793	0.765	400	3.6	360	0.0	4	23	99	0	0	100	
9/13/2024	0.783	0.779	430	2.1	280	3.1	2	14	100	3	20	99	
9/20/2024	0.778	0.714	460	4.2	350	2.9	4	25	99	3	17	99	
9/27/2024	0.788	0.787	320	2.0	310	0.0	2	13	99	0	0	100	
							3	19	99	2	9	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	
10/4/2024	0.779	0.874	530	5.6	390	3.8	6	41	99	4	28	99	
10/11/2024	0.767	0.809	360	5.0	330	0.0	5	34	99	0	0	100	
10/18/2024	0.768	0.916	380	4.4	400	2.5	4	34	99	3	19	99	
10/25/2024	0.758	0.917	400	2.9	310	0.0	3	22	99	0	0	100	
							4	33	99	2	12	100	**Monthly Avg.**

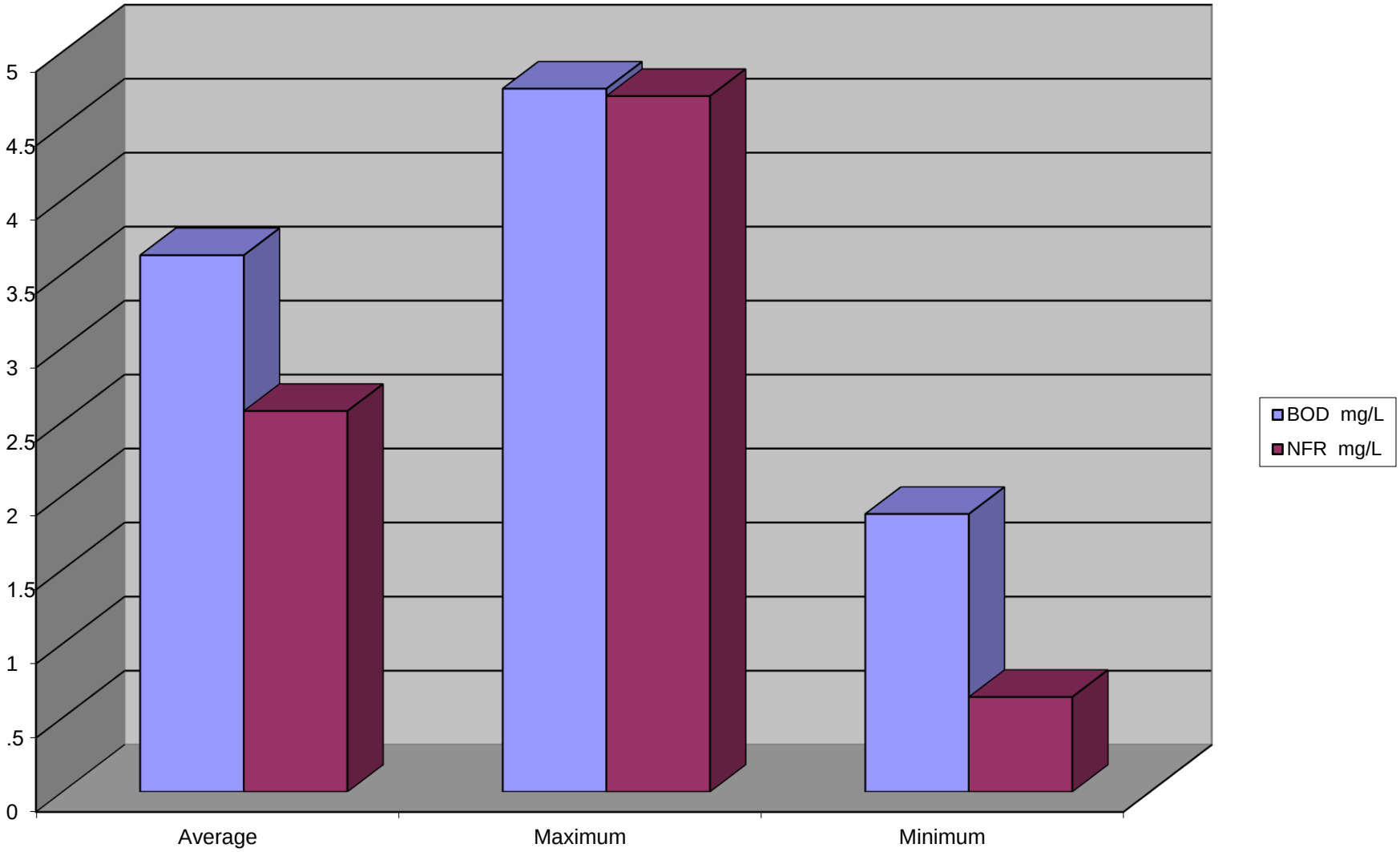
DATE	Influent	Effluent	INF BOD	EFF BOD	INF TSS	EFF TSS	BOD mg/L	BOD lbs/day	BOD % Removal	TSS mg/L	TSS lbs/day	TSS % Removal	
11/1/2024	0.851	0.857	390	5.1	320	0.0	5	36	99	0	0	100	
11/8/2024	0.770	0.875	450	5.5	340	0.0	6	40	99	0	0	100	
11/15/2024	0.806	0.895	370	4.0	280	0.0	4	30	99	0	0	100	
11/22/2024	1.274	1.789	420	3.0	450	3.2	3	45	99	3	48	99	
11/27/2024	1.034	1.395	280	0.0	310	0.0	0	0	100	0	0	100	
							4	30	99	1	10	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	
12/6/2024	0.899	1.262	360	2.1	300	2.5	2	22	99	3	26	99	
12/13/2024	1.076	1.238	440	2.6	290	2.5	3	27	99	3	26	99	
12/20/2024	1.016	1.375	400	2.8	560	0.0	3	32	99	0	0	100	
12/27/2024	1.348	1.556	360	0.0	290	0.0	0	0	100	0	0	100	
							2	20	100	1	13	100	**Monthly Avg.**

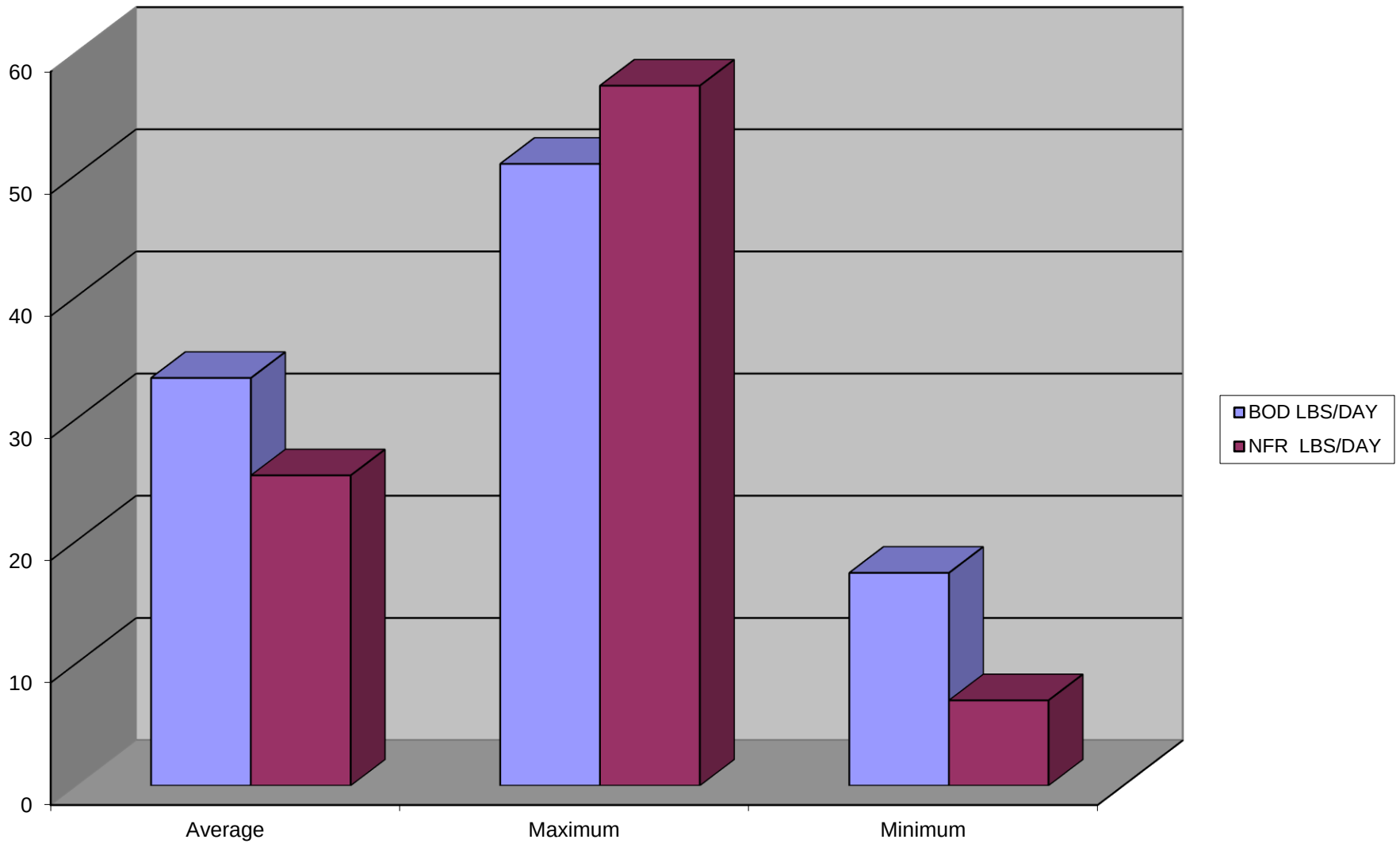
2024 30 Day BOD & NFR
Maximum, Minimum, and Average



2024 BOD & NFR 30 DAY AVERAGE mg/L



2024 BOD & NFR 30 DAY AVERAGE LBS/DAY



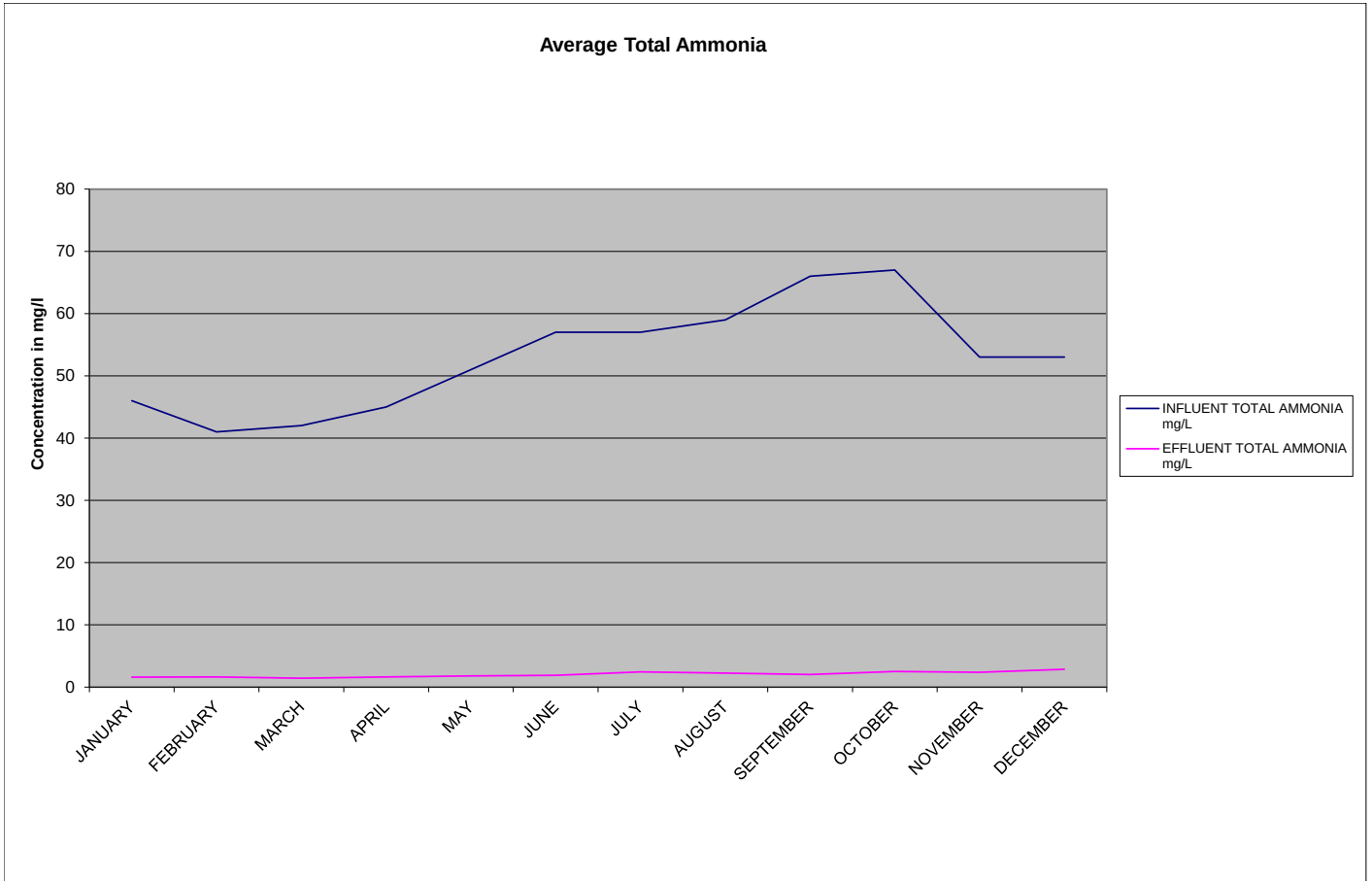
McKinleyville Community Services District
Wastewater Management Facility
2024 Influent, Terminal Pond, and Effluent BOD

MONTH		INFLUENT	EFFLUENT	Terminal Pond	SE
		BOD	BOD	BOD	BOD
January	1/5/2024	340	3.8	11.0	2.4
	1/12/2024	270	2.7	6.4	3.8
	1/19/2024	300	4.4	6.0	14.0
	1/26/2024	190	4.7	4.2	9.1
February	2/2/2024	260	3.1	3.9	9.0
	2/9/2024	180	3.0	4.2	6.2
	2/16/2024	240	4.3	3.6	6.1
	2/23/2024	230	3.5	11.0	10.0
March	3/1/2024	200	2.4	6.5	3.1
	3/8/2024	260	2.1	6.6	6.2
	3/15/2024	260	4.6	7.2	2.1
	3/22/2024	250	4.6	4.5	5.0
	3/29/2024	190	4.9	4.6	5.9
April	4/4/2024	250	5.0	3.7	5.4
	4/12/2024	260	3.0	3.6	4.0
	4/19/2024	310	6.2	5.3	13.0
	4/26/2024	320	3.8	3.6	9.6
May	5/3/2024	280	2.6	2.4	4.2
	5/10/2024	250	0.0	2.5	0.0
	5/17/2024	320	3.4	2.2	4.0
	5/24/2024	380	3.5	2.0	4.0
	5/31/2024	380	3.8	2.4	2.4
June	6/7/2024	350	5.4	2.4	4.7
	6/14/2024	450	2.2	6.2	3.6
	6/21/2024	360	5.0	ND	4.4
	6/28/2024	480	6.4	2.4	6.2
July	7/3/2024	390	6.2	3.0	4.5
	7/12/2024	400	5.8	3.4	3.8
	7/19/2024	400	3.1	3.0	2.7
	7/26/2024	310	3.7	4.1	3.5
August	8/2/2024	360	4.0	2.8	2.5
	8/9/2024	390	3.6	2.7	3.2
	8/16/2024	390	2.1	3.0	ND
	8/23/2024	400	2.3	4.2	ND
	8/30/2024	510	4.0	3.5	2.4
September	9/6/2024	400	3.6	2.8	ND
	9/13/2024	430	2.1	4.8	ND
	9/20/2024	460	4.2	3.0	ND
	9/27/2024	320	2.0	7.9	ND
October	10/4/2024	530	5.6	2.1	ND
	10/11/2024	360	5.0	3.1	2.4
	10/18/2024	380	4.4	2.3	ND
	10/25/2024	400	2.9	2.8	2.1
November	11/1/2024	390	5.1	2.4	ND
	11/8/2024	450	5.5	2.4	2.5
	11/15/2024	370	4.0	6.5	2.6
	11/22/2024	420	3.0	ND	2.1
	11/27/2024	280	ND	ND	ND
December	12/6/2024	360	2.1	ND	2.8
	12/13/2024	440	2.6	ND	4.2
	12/20/2024	400	2.8	2.3	3.0
	12/27/2024	360	ND	2.9	ND
Average		343	4	4	5
Maximum		530	6.4	11	14
Minimum		180	0	2	0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITIES INFLUENT & EFFLUENT
AVERAGE AMMONIA, TEMPERATURE, pH,
ANNUAL MONTHLY AVERAGE 2024

DATE	INFLUENT pH	INFLUENT TEMP ° C	INFLUENT TOTAL AMMONIA mg/L	EFFLUENT pH	EFFLUENT TEMP ° C	EFFLUENT TOTAL AMMONIA mg/L	% Removal
JANUARY	8.1	15.0	46	7.0	13.5	1.6	96.5
FEBRUARY	7.9	14.5	41	6.8	13.5	1.7	96.0
MARCH	7.9	14.1	42	6.9	13.5	1.4	96.6
APRIL	8.0	15.3	45	7.0	15.5	1.6	96.4
MAY	8.0	16.4	51	7.1	17.5	1.8	96.5
JUNE	8.1	17.9	57	7.4	19.1	1.9	96.7
JULY	7.9	19.1	57	7.0	20.4	2.4	95.7
AUGUST	7.9	19.8	59	7.1	20.2	2.2	96.2
SEPTEMBER	8.0	19.5	66	7.1	19.0	2.0	96.9
OCTOBER	8.0	18.6	67	7.1	17.0	2.5	96.3
NOVEMBER	8.0	16.5	53	7.1	14.1	2.4	95.5
DECEMBER	8.0	15.3	53	7.0	12.9	2.9	94.6
AVERAGE	8.0	16.8	53	7.1	16.4	2.0	96.2
MAXIMUM	8.1	19.8	67	7.4	20.4	2.9	96.9
MINIMUM	7.9	14.1	41	6.8	12.9	1.4	94.6

Current Ammonia - 2024


Average Total Ammonia
Concentration in mg/l
80
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

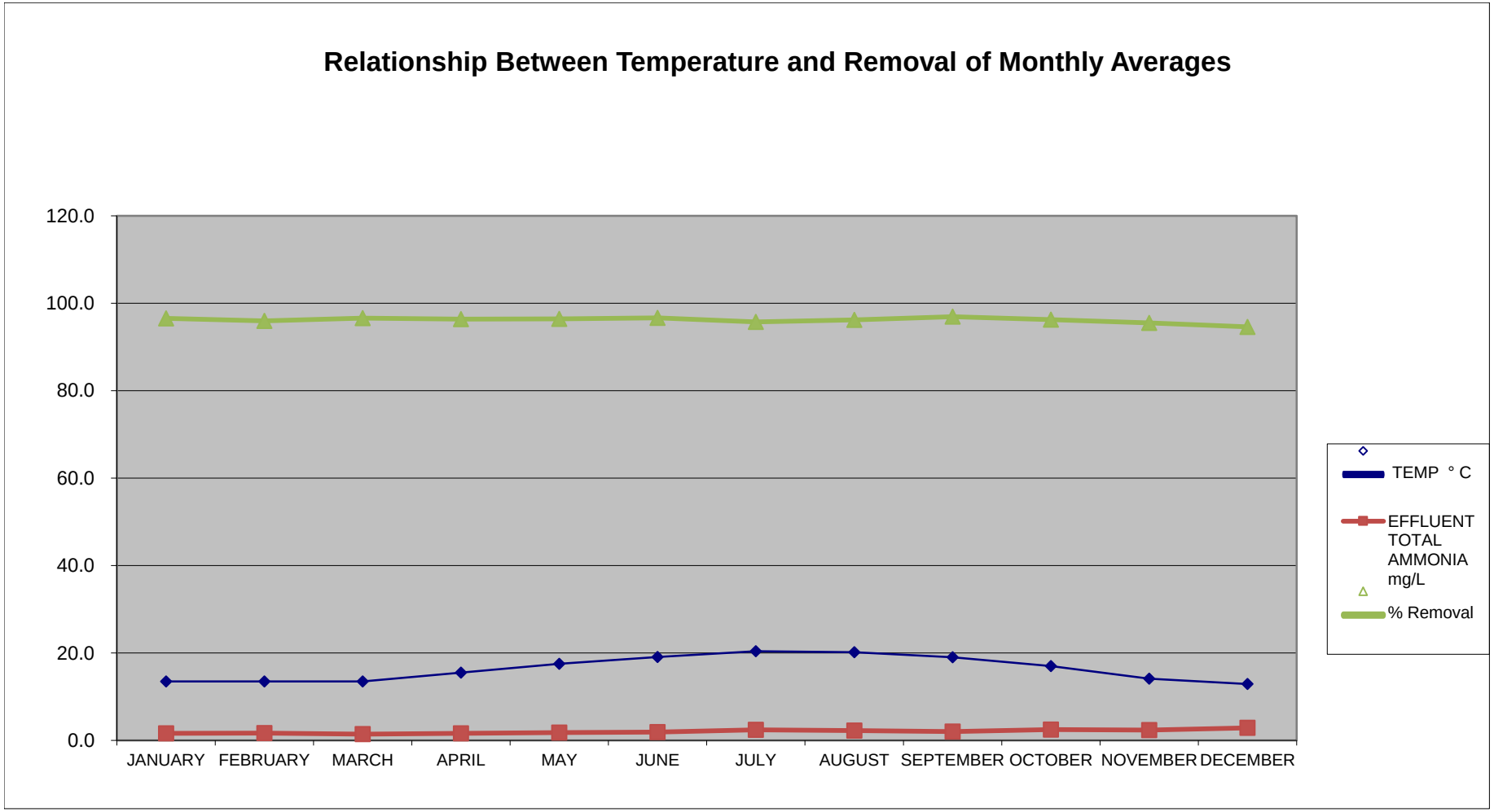

Relationship Between Temperature and Removal of Monthly Averages
120.0
100.0
80.0
60.0
40.0
20.0
0.0
JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER
TEMP ° C
EFFLUENT TOTAL AMMONIA mg/L
% Removal

EXHIBIT H

2024 Monitoring Well Levels

Date	Well ID	T.O.C. Elevation	Depth of GW	G.W. elev. above sea level/ft	inches
1/9/2024	GW-001	63.61	22.10	41.51	498.12
1/9/2024	GW-002	61.40	16.80	44.60	535.20
1/9/2024	GW-006	15.70	5.00	10.70	128.40
1/9/2024	GW-007	44.36	3.20	41.16	493.92
1/9/2024	GW-009	37.65	23.70	13.95	167.40
1/9/2024	GW-019	16.08	7.40	8.68	104.16

4/1/2024	Well ID	T.O.C. Elevation	Depth of GW	G.W. elev. above sea level/ft	inches
4/1/2024	GW-001	63.61	17.10	46.51	558.12
4/1/2024	GW-002	61.40	9.10	52.30	627.60
4/1/2024	GW-006	15.70	4.30	11.40	136.80
4/1/2024	GW-007	44.36	20.80	23.56	282.72
4/1/2024	GW-009	37.65	21.70	15.95	191.40
4/1/2024	GW-019	16.08	5.50	10.58	126.96

	Well ID	T.O.C. Elevation	Depth of GW	G.W. elev. above sea level/ft	inches
7/3/2024	GW-001	63.61	19.20	44.41	532.92
7/3/2024	GW-002	61.40	13.50	47.90	574.80
7/3/2024	GW-006	15.70	6.60	9.10	109.20
7/3/2024	GW-007	44.36	12.80	31.56	378.72
7/3/2024	GW-009	37.65	20.30	17.35	208.20
7/3/2024	GW-019	16.08	6.60	9.48	113.76

	Well ID	T.O.C. Elevation	Depth of GW	G.W. elev. above sea level/ft	inches
10/22/2024	GW-001	63.61	21.30	42.31	507.72
10/22/2024	GW-002	61.40	16.70	44.70	536.40
10/22/2024	GW-006	15.70	3.10	12.60	151.20
10/22/2024	GW-007	44.36	16.00	28.36	340.32
10/22/2024	GW-009	37.65	19.80	17.85	214.20
10/22/2024	GW-019	16.08	7.60	8.48	101.76

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
MONITORING WELL DATA 2024

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	2.1	130	3.8	110	0.95	170	4.4	190	3.9	200	ND	6700
Q2	2.3	130	5.4	120	3.4	170	3.1	160	4.0	140	ND	6300
Q3	2.6	140	15.0	230	4.7	250	1.4	150	6.4	160	ND	6500
Q4	1.8	150	10.0	130	5.1	230	4.4	180	2.6	170	ND	6200
AVERAGE	2.2	138	8.6	148	3.5	205	3.3	170	4.2	168	0.0	6425
MAXIMUM	2.6	150	15.0	230	5.1	250	4.4	190	6.4	200	0.0	6700
MINIMUM	1.8	130	3.8	110	1.0	170	1.4	150	2.6	140	0.0	6200

McKinleyville Community Services District
River Monitoring 2024

Upstream	RSW-001										
Month	**Date**	**Time**	**CFS**	**Temp**	**pH**	**D.O.**	**NTU**	**Conductivity**	**Ammonia**	**Hardness**	**TDS**
January	1/2/2024	09.00	1770	10.6	7.4	10.9	18.1	125	ND	54	80
February	2/1/2024	09:10	8320	10.6	7.3	11.3	435.0	84	ND	110	110
March	3/4/2024	11:00	4550	8.7	7.4	11.3	71.0	95	ND	48	84
April	4/1/2024	11:10	3250	11.5	7.1	11.1	51.3	95	ND	51	76
May	5/7/2024	15:35	2050	14.3	7.5	10.4	20.2	113	ND	50	87
June	6/3/2024	14:00	355	19.6	7.1	9.6	5.3	150	ND	67	97
July	7/1/2024	13:15	96	20.2	7.5	11.1	0.7	220	ND	99	150
August	8/1/2024	15:00	58	23.0	7.7	10.4	0.7	227	ND	100	140
September	9/3/2024	15:30	60	22.0	7.9	9.8	1.1	226	ND	100	150
October	10/1/2024	15:00	55	19.1	7.7	9.9	0.9	864	ND	160	450
November	11/1/2024	15:45	98	13.3	7.0	9.9	1.1	1215	ND	180	660
December	12/2/2024	15:40	1200	10.7	6.8	11.9	34.3	123	0.15	53	ND
Average				15.3	7.4	10.6	53.3	295	ND	89	189
Maximum				23.0	7.9	11.9	435.0	1215	0.15	180	660
Minimum				8.7	6.8	9.6	0.7	84	ND	48	0

Upstream	RSW-002										
Month	**Date**	**Time**	**CFS**	**Temp**	**pH**	**D.O.**	**NTU**	**Conductivity**	**Ammonia**	**Hardness**	**TDS**
January	1/2/2024	09:10	1770	11.0	7.4	10.8	17.4	146	ND	ND	58
February	2/1/2024	09:20	8320	10.3	7.5	11.5	447.0	90	ND	82	110
March	3/4/2024	11:10	4550	8.8	7.5	11.5	75.3	96	ND	48	90
April	4/1/2024	11:20	3250	11.2	7.2	11.3	48.4	97	ND	50	84
May	5/7/2024	15:45	2050	13.8	7.3	10.4	21.6	118	ND	49	73
June	6/3/2024	14:10	355	20.6	7.4	9.1	2.8	178	ND	72	100
July	7/1/2024	13:25	96	21.0	7.8	10.9	0.8	264	ND	100	150
August	8/1/2024	15:10	58	23.1	7.6	10.2	1.4	794	ND	150	460
September	9/3/2024	15:40	60	22.5	8.2	10.0	0.9	847	ND	150	460
October	10/1/2024	15:10	55	19.5	7.6	8.7	1.8	2330	ND	310	1200
November	11/1/2024	15:55	98	13.2	7.2	9.7	1.9	2642	ND	590	2900
December	12/2/2024	15:30	1200	10.8	7.0	11.1	31.0	172	ND	62	100
Average				15.5	7.5	10.4	54.2	648	0.00	151	482
Maximum				23.1	8.2	11.5	447.0	2642	0.00	590	2900
Minimum				8.8	7.0	8.7	0.8	90	0.00	48	58

WWMF	EFF-001										
Month	**Date**	**Time**	**CFS**	**Temp**	**pH**	**D.O.**	**NTU**	**Conductivity**	**Ammonia**	**Hardness**	**TDS**
January	1/2/2024	11:00	1770	13.0	7.2	8.8	2.0	422	1.60	99	N/A
February	2/1/2024	09:00	8320	14.6	6.9	7.2	1.1	330	1.00	80	N/A
March	3/4/2024	10:50	4550	11.7	6.8	8.6	1.2	314	1.60	74	N/A
April	4/1/2024	11:00	3250	14.3	6.9	7.0	1.1	287	1.80	79	N/A
May	5/1/2024	11:00	2050	15.8	7.0	7.8	1.4	316	2.00	71	180
June	6/3/2024	11:00	355	19.2	7.2	7.6	1.1	328	0.10	N/A	210
July	7/1/2024	14:45	96	20.4	7.1	8.2	2.1	384	1.70	N/A	240
August	8/1/2024	11:00	58	20.7	7.2	3.7	1.1	438	1.90	N/A	260
September	9/3/2024	15:00	60	19.3	7.1	3.4	0.8	449	1.50	N/A	270
October	10/1/2024	11:00	55	17.4	7.1	5.4	0.9	480	2.70	N/A	290
November	11/1/2024	11:00	98	15.5	7.2	6.2	1.4	471	2.20	110	270
December	12/2/2024	11:00	1200	12.1	7.0	6.5	0.6	410	3.00	95	N/A
Average				16.2	7.1	6.7	1.2	386	1.76	87	246
Maximum				20.7	7.2	8.8	2.1	480	3.00	110	290
Minimum				11.7	6.8	3.4	0.6	287	0.10	71	180

McKinleyville Community Services District
Wastewater Management Facility
Pond Ammonia Levels in mg/L
Annual Averages 2024

Date		Pond 1	Pond 2	Pond 3	Pond 4	Pond 5
January		2.80	3.83	2.04	EMPTY	EMPTY
February		2.14	0.45	0.62	EMPTY	EMPTY
March		2.20	0.25	0.68	EMPTY	EMPTY
April		1.42	0.04	0.06	EMPTY	EMPTY
May		0.23	0.15	0.13	EMPTY	EMPTY
June		0.27	0.08	0.15	EMPTY	EMPTY
July		0.81	0.02	0.03	EMPTY	EMPTY
August		0.89	0.29	0.04	EMPTY	EMPTY
September		0.51	0.13	0.03	EMPTY	EMPTY
October		1.03	0.77	0.39	EMPTY	EMPTY
November		10.50	4.92	0.62	EMPTY	EMPTY
December		17.80	12.20	6.01	EMPTY	EMPTY
Average		3.38	1.93	0.90		
Maximum		0.23	0.02	0.03		
Minimum		17.80	12.20	6.01		

McKinleyville Community Services District
Wastewater Management Facility
Pond Temperatures in C
Annual Averages 2024

						Average
Date	Pond 1	Pond 2	Pond 3	Pond 4	Pond 5	Pond Temp.
January	12.5	12.1	11.6	EMPTY	EMPTY	12.1
February	13.1	12.8	12.5	EMPTY	EMPTY	12.8
March	13.4	13.4	12.8	EMPTY	EMPTY	13.2
April	16.4	17.1	16.1	EMPTY	EMPTY	16.5
May	18.4	18.4	17.9	EMPTY	EMPTY	18.2
June	19.3	19.7	19.3	EMPTY	EMPTY	19.4
July	21.1	21.6	20.3	EMPTY	EMPTY	21.0
August	20.6	20.6	19.2	EMPTY	EMPTY	20.1
September	19.2	18.6	17.5	EMPTY	EMPTY	18.4
October	17.1	16.7	15.7	EMPTY	EMPTY	16.5
November	13.3	13.1	12.5	EMPTY	EMPTY	13.0
December	11.7	11.4	11.3	EMPTY	EMPTY	11.5
Average	16.3	16.3	15.6			16.1
Minimum	11.7	11.4	11.3			11.5
Maximum	21.1	21.6	20.3			21.0

McKinleyville Community Services District
Wastewater Management Facility
Pond pH
Annual Averages 2024

Date		Pond 1	Pond 2	Pond 3	Pond 4	Pond 5	Average Pond pH
January		7.4	7.4	7.6	EMPTY	EMPTY	7.5
February		7.2	7.4	7.6	EMPTY	EMPTY	7.4
March		7.6	7.8	8.3	EMPTY	EMPTY	7.9
April		7.4	8.9	8.6	EMPTY	EMPTY	8.3
May		8.5	9.2	9.2	EMPTY	EMPTY	9.0
June		9.0	10.2	8.0	EMPTY	EMPTY	9.1
July		8.7	9.3	7.4	EMPTY	EMPTY	8.5
August		7.6	8.0	7.5	EMPTY	EMPTY	7.7
September		7.3	7.5	7.4	EMPTY	EMPTY	7.4
October		7.4	7.5	7.3	EMPTY	EMPTY	7.4
November		7.5	7.6	7.5	EMPTY	EMPTY	7.5
December		7.5	7.5	7.6	EMPTY	EMPTY	7.5
Average		7.8	8.2	7.8			7.9
Maximum		9.0	10.2	9.2			10.2
Minimum		7.2	7.4	7.3			7.2

McKinleyville Community Services District
Wastewater Management Facility
Pond Dissolved Oxygen in mg/L
Annual Averages 2024

Date		Pond 1	Pond 2	Pond 3	Pond 4	Pond 5	Average Pond D.O.
January		8.2	7.4	8.6	EMPTY	EMPTY	8.1
February		7.0	7.2	8.9	EMPTY	EMPTY	7.7
March		8.3	9.8	9.8	EMPTY	EMPTY	9.3
April		8.6	12.1	9.7	EMPTY	EMPTY	10.1
May		10.5	11.0	8.9	EMPTY	EMPTY	10.1
June		12.4	13.5	6.5	EMPTY	EMPTY	10.8
July		8.8	8.4	3.2	EMPTY	EMPTY	6.8
August		5.3	6.1	2.5	EMPTY	EMPTY	4.6
September		6.5	6.1	4.1	EMPTY	EMPTY	5.6
October		6.5	5.6	4.0	EMPTY	EMPTY	5.4
November		7.2	6.3	7.2	EMPTY	EMPTY	6.9
December		6.4	6.5	8.1	EMPTY	EMPTY	7.0
Average		8.0	8.3	6.8			7.7
Minimum		5.3	5.6	2.5			4.6
Maximum		12.4	13.5	9.8			10.8

McKinleyville Community Services District
Wastewater Management Facility
Pond Depths, Elevation in Feet Above Sea Level
Annual Averages 2024

Date		Pond 1	Pond 2	Pond 3	Pond 4	Pond 5	Average Pond Depth
January		60.9	60.7	60.7	EMPTY	EMPTY	60.8
February		61.7	61.6	61.6	EMPTY	EMPTY	61.6
March		61.2	61.1	61.1	EMPTY	EMPTY	61.1
April		60.5	60.2	60.0	EMPTY	EMPTY	60.2
May		60.4	59.8	59.6	EMPTY	EMPTY	59.9
June		60.7	60.5	60.5	EMPTY	EMPTY	60.6
July		60.4	60.2	60.2	EMPTY	EMPTY	60.3
August		60.2	59.6	59.4	EMPTY	EMPTY	59.7
September		60.4	60.2	60.1	EMPTY	EMPTY	60.2
October		60.5	60.4	60.4	EMPTY	EMPTY	60.4
November		60.9	60.9	60.8	EMPTY	EMPTY	60.9
December		60.4	60.1	60.1	EMPTY	EMPTY	60.2
Average		60.7	60.4	60.4			60.5
Minimum		60.2	59.6	59.4			59.7
Maximum		61.7	61.6	61.6			61.6

EXHIBIT J

MCKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
ELECTRIC, CL_2, SO_2, WATER and RAIN DATA
ANNUAL 2024

DATE	PG&E kw Hours	CL_2 USAGE lbs.	SO2 USAGE lbs.	RAIN inches
JANUARY	41440	1241	891	11.75
FEBRUARY	11560	1169	744	9.95
MARCH	6720	1260	865	9.77
APRIL	-30720	793	671	1.29
MAY	-47680	955	393	3.20
JUNE	-18880	880	0	0.96
JULY	-5760	793	0	0.00
AUGUST	-1600	666	0	1.52
SEPTEMBER	320	637	0	0.12
OCTOBER	3200	821	0	2.68
NOVEMBER	27840	1011	355	11.24
DECEMBER	39040	1291	871	10.71
TOTAL		11517	4790	63
AVERAGE	2123	960	399	5.27
MAXIMUM	41440	1291	891	11.75
MINIMUM	-47680	637	0	0.00

WWMF WATER METER			
DATE	LOW	HIGH	CU.FT.
START	23670	14903	
END	28273	22703	12403

		2024			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	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	RAS pH	Combo MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	Combo Alkalinity	Influent Ammonia mg/L	Combo Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	Combo Nitrates mg/L	Sec. Eff Nitrates mg/L	Final Eff. Nitrates mg/L	Sec. Eff NTU	Final Eff. NTU
January	1.263	1.294	0.029	50	285	242	2.6	3.4	1967	1819	6401	530	19	92	2427	2976	53526	1548	27	270	34	0.060	8.1	6.8	7.0	6.7	6.8	248	89	89	46	0.04	0.74	1.59	7.9	7.2	6.2	0.9	1.4
February	1.408	1.632	0.029	50	229	258	3.6	2.4	1945	1795	5999	514	19	92	2954	2706	52500	1451	42	264	35	0.056	7.9	6.8	6.8	6.7	6.7	229	91	89	41	0.04	1.07	1.65	7.3	6.3	6.0	1.3	1.3
March	1.382	1.604	0.029	50	237	235	3.4	2.2	1902	1752	5949	454	17	92	2634	2714	52165	1409	40	239	36	0.057	7.9	6.8	6.9	6.7	6.7	214	91	88	42	0.08	0.93	1.43	7.1	6.6	5.8	1.2	1.3
April	1.087	1.192	0.029	50	279	274	2.7	2.9	1919	1754	6038	381	20	91	2435	2520	50137	2137	24	199	33	0.053	8.0	6.9	7.0	6.8	6.8	245	110	107	45	0.05	1.24	1.63	3.4	3.2	3.3	1.5	2.0
May	1.027	0.980	0.029	50	308	271	2.0	2.1	1906	1736	6642	375	24	91	2260	2609	51454	1607	17	197	32	0.054	8.0	7.0	7.1	6.8	6.9	263	119	114	51	0.02	1.18	1.81	4.1	3.7	3.2	1.0	1.2
June	0.817	0.695	0.027	50	395	265	3.8	3.2	2125	1927	6713	417	31	91	1739	2824	52504	1419	25	201	47	0.055	8.1	7.1	7.4	6.8	6.9	269	121	114	57	0.04	1.57	1.90	3.8	3.5	2.8	2.2	2.5
July	0.811	0.860	0.029	50	383	282	3.3	2.8	1953	1776	6640	460	32	91	1898	2589	52235	1636	22	235	33	0.055	7.9	7.1	7.0	6.8	7.0	300	139	131	57	0.03	2.13	2.44	4.6	4.3	3.0	1.7	2.1
August	0.811	0.747	0.029	50	391	320	1.9	2.3	1870	1712	6706	420	27	92	400	2642	49917	1624	45	225	30	0.057	7.9	7.0	7.1	6.8	6.9	316	135	129	59	0.03	0.68	2.24	6.9	6.7	2.2	0.9	1.8
September	0.804	0.734	0.027	50	410	339	1.3	2.7	1840	1686	6757	400	29	92	438	2752	49109	1496	62	218	32	0.061	8.0	7.0	7.1	6.9	6.9	328	119	118	66	0.12	0.11	2.03	9.8	9.5	5.6	0.6	1.8
October	0.798	0.799	0.023	50	419	311	1.5	2.1	2013	1851	7432	425	31	92	437	2784	53734	1427	74	211	36	0.056	8.0	7.0	7.1	6.8	6.9	330	125	120	67	0.51	0.81	2.51	12.2	11.3	7.2	0.7	1.5
November	0.964	1.128	0.030	50	408	292	1.5	1.6	2097	1930	7595	379	28	92	419	3273	55965	1854	84	181	30	0.065	8.0	6.9	7.1	6.8	6.8	280	112	110	53	0.25	0.46	2.39	10.8	10.4	7.6	0.7	1.0
December	1.126	1.372	0.038	50	402	265	1.4	1.1	1846	1707	6431	343	24	92	467	3787	49258	2006	97	186	24	0.081	8.0	6.8	7.0	6.8	6.7	257	96	90	53	0.25	0.61	2.86	11.6	11.1	7.9	1.0	0.9
Minimum	0.798	0.695	0.023	50	229	235	1.3	1.1	1840	1686	5949	343	17	91	400	2520	49109	1409	17	181	24	0.053	7.9	6.8	6.8	6.7	6.7	214	89	88	41	0.02	0.11	1.43	3.4	3.2	2.2	0.6	0.9
Maximum	1.408	1.632	0.038	50	419	339	3.8	3.4	2125	1930	7595	530	32	92	2954	3787	55965	2137	97	270	47	0.081	8.1	7.1	7.4	6.9	7.0	330	139	131	67	0.51	2.13	2.86	12.2	11.3	7.9	2.2	2.5
Average	1.025	1.086	0.029	50	346	280	2.4	2.4	1949	1787	6609	425	25	92	1542	2848	51875	1635	47	219	34	0.059	8.0	6.9	7.1	6.8	6.8	273	112	108	53	0.12	0.96	2.04	7.5	7.0	5.1	1.1	1.6

Month	January	Year	2024	McKinleyville WWMF

Date	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	Combo 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	Combo 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	0.973	1.184	0.029	50	334													2710							8.4		7.2																		2.6			0.9/0.8		
2	R	0.968	1.183	0.029	50	334	149	2.6	6.0	1937	1937	2035	1877	6424	500		92	1203	2696	51695	1554	21	246	33	0.054	7.6	6.9	7.2	6.9	6.8	6.8	6.8	180	100	120	100	24	0.04	0.03	1.22	2.09	5.3	9.8	8.3	7.3	0.7	2.0			0.9/0.8	4'/2'	5'/2.5'
3	R	1.058	1.255	0.029	50	334	304	3.2	4.0	1932	1961	1919	1756	6394	510		92	2682	2947	51948	1546	28	266	33	0.063	7.9	6.9	7.1	6.8	6.7	6.7	6.8	200	100	100	100	52	0.28	0.05	1.11	1.87	4.5	9.6	6.8	5.4	0.8	1.9			0.9/0.8	4'/2'	4'/2'
4	W	1.012	1.300	0.029	50	334	355	1.0	4.8	1938	1973	1931	1786	6772	510		92	2996	2819	52188	1638	8	264	32	0.059	8.5	6.9	7.1	6.8	6.7	6.7	6.8	300	100	120	100	64	0.02	0.00	1.26	2.08	5.6	10.2	8.1	4.8	0.8	2.4			0.9/0.8	4'/1.5'	5'/2.5'
5	C	0.995	1.318	0.029	50	340	320	1.4	4.8	1928	2016	1936	1779	6420	550	24	92	2655	2821	52629	1553	12	284	34	0.059	8.1	6.9	7.1	6.9	6.8	6.8	6.9	240	100	100	100	38	0.00	0.00	0.97	1.46	5.3	8.1	6.1	4.9	0.6	2.3	2.4	3.8	0.9/0.8	5.5'/3.5'	5'/3'
6	R	1.067	1.279	0.029	50	340													3026							8.0		7.0																		1.8			0.9/0.8		
7	C	1.118	1.305	0.029	50	340													3170							8.3		7.1																		1.8			0.9/0.8		
8	O	1.004	1.224	0.029	50	340	272	1.2	3.4	1916	2105	2006	1837	6326	550		92	2278	2847	53656	1530	10	274	35	0.058	8.1	6.8	7.1	6.8	6.7	6.7	6.7	260	100	100	100	48	0.03	0.02	0.04	0.90	6.7	9.8	8.8	5.3	0.4	1.7			0.9/0.8	3.5'/1.5'	5'/2.5'
9	O	1.076	1.258	0.029	50	340	236	3.0	3.6	1938	2122	1972	1823	6882	560		92	2118	3051	54177	1664	27	284	32	0.063	8.2	6.9	7.0	6.8	6.8	6.7	6.8	240	80	80	80	48	0.03	0.00	0.00	0.72	9.9	11.2	9.5	7.5	0.7	1.3			0.9/0.8	5'/3'	5.5'/3.5'
10	R	1.259	1.276	0.029	50	340	334	2.6	2.6	2035	2063	1999	1864	7402	520		93	3507	3570	54684	1790	27	260	30	0.072	8.2	6.8	6.9	6.7	6.7	6.8	6.7	300	80	100	80	48	0.00	0.00	0.00	0.47	9.1	9.7	8.7	6.6	0.9	1.2			0.9/0.8	5'/3'	5'/2.5'
11	C	1.416	1.339	0.029	50	340	159	0.8	1.0	1946	2063	1972	1863	6090	520		94	1878	4015	53496	1473	9	264	36	0.081	7.7	6.8	6.9	6.6	6.7	6.7	6.7	200	80	80	80	24	0.19	0.06	0.03	0.62	9.9	12.9	10.7	7.9	0.6	1.0			0.9/0.8	5'/3'	5'/2'
12	R	1.099	1.373	0.029	50	270	232	2.2	1.6	1935	2074	2037	1891	7016	550	19	93	2126	2475	53496	1697	20	270	31	0.049	8.2	6.7	6.9	6.6	6.6	6.7	6.7	260	80	80	60	50	0.00	0.03	0.36	0.91	13.5	11.6	10.9	8.5	0.8	1.2	3.8	2.7	0.9/0.8	5'/3'	5'/3'
13	R	1.852	1.328	0.029	50	270													4170							8.2		6.9																		1.2			0.9/0.8		
14	R	1.690	1.280	0.029	50	270													3806							8.0		6.9																		1.2			0.9/0.8		
15	C	1.436	1.346	0.029	50	270													3234							7.9		6.8																		1.5			0.9/0.8		
16	R	1.313	1.374	0.029	50	270	256	1.8	2.4	2141	2045	2053	1898	5614	510		92	2803	2957	55858	1358	20	248	41	0.058	8.1	6.7	6.8	6.6	6.6	6.7	6.7	240	80	80	80	44	0.02	0.14	0.70	1.74	6.3	10.6	8.7	7.8	1.1	1.1			0.9/0.8	6'/2'	6'/3'
17	R	1.288	1.378	0.029	50	270	221	3.4	2.2	1990	1999	1973	1834	5782	530		93	2374	2900	53229	1398	37	269	37	0.059	8.1	6.8	7.0	6.7	6.7	6.7	6.8	240	80	80	80	44	0.02	0.01	0.55	1.59	7.5	9.0	6.8	6.4	1.1	0.8			0.9/0.8	5'/2'	5/2'
18	O	1.233	1.388	0.029	50	270	233	1.8	1.6	1915	1960	1897	1738	6130	510		92	2396	2776	51708	1483	19	269	34	0.060	8.1	6.8	6.9	6.7	6.6	6.7	6.8	220	80	80	80	42	0.04	0.07	0.64	1.76	4.2	8.6	6.2	6.2	1.0	1.0			0.9/0.8	3'/2'	4'/3'
19	O	1.165	1.387	0.029	50	300	223	4.4	5.0	1904	1944	1894	1732	6132	520	23	91	2167	2915	51348	1483	43	275	34	0.063	8.2	6.8	6.9	6.7	6.6	6.7	6.7	240	100	100	80	48	0.06	0.03	2.12	3.49	4.4	8.5	5.8	5.7	1.2	1.5	14.0	4.4	0.9/0.8	3'/1.5'	4'/2'
20	R	1.467	1.365	0.029	50	300													3670							7.9		6.9																		1.0			0.9/0.8		
21	O	1.517	1.335	0.029	50	300													3796							8.0		6.9																		1.2			0.9/0.8		
22	R	1.472	0.535	0.029	50	300	254	6.0	3.0	2065	2159	1922	1788	6550	560		93	3118	3683	56365	1584	74	291	34	0.077	8.1	6.9	7.0	6.7	6.7	6.8	6.7	260	80	80	80	50	0.04	0.03	1.23	2.66	8.4	7.2	6.3	6.1	1.5	1.2			0.9/0.8	6'/3'	6'/3'
23	O	1.404	0.000	0.029	50	300	186	2.4		1997	1998	1900	1761	5998	550		93	2178	3513	53309	1451	28	289	36	0.075	8.1	6.8		6.7	6.7	6.8	6.8	240	80	80	80	46	0.00	0.00	0.00		7.1	8.0	5.8		0.6				0.9/0.8	5.5'/3.5'	5'/2.5'
24	O	1.361	0.752	0.029	50	300	165	2.4	0.8	2026	2013	1977	1829	6218	530		93	1873	3405	53896	1504	27	268	35	0.070	8.0	6.8	7.0	6.7	6.7	6.7	6.7	280	80	80	80	48	0.04	0.04	0.05	1.05	6.8	8.2	5.9	6.3	0.6	1.3			0.9/0.8	5'/2.5'	6'/3'
25	C	1.298	1.496	0.029	50	300	224	4.8	4.4	2008	2051	1976	1828	5960	500		93	2425	3248	54163	1441	52	253	36	0.067	8.2	6.8	7.0	6.7	6.7	6.7	6.7	240	80	80	80	52	0.00	0.00	1.20	1.90	6.6	5.6	6.5	6.4	0.9	1.1			0.9/0.8	5'/2'	5'/2'
26	O	1.242	1.667	0.029	50	190	165	1.5	7.6	1994	1998	2007	1855	6480	560	9	92	1709	1968	53269	1567	16	279	34	0.040	8.2	6.8	6.9	6.7	6.7	6.7	6.8	200	80	80	80	56	0.00	0.00	1.08	1.83	7.8	7.6	6.3	6.6	1.1	1.1	9.1	4.7	0.9/0.8	5'/2.5'	5'/2.5'
27	O	1.260	1.679	0.029	50	190													1997							7.8		6.9																		1.2			0.9/0.8		
28	O	1.307	1.651	0.029	50	190													2071							7.8		6.9																		1.2			0.9/0.8		
29	C	1.202	1.646	0.029	50	190	274	4.0	3.2	2032	2109	1958	1813	7036	510		93	2747	1905	55258	1702	40	260	32	0.039	8.0	6.9	6.9	6.7	6.8	6.8	6.8	300	100	80	100	48	0.01	0.02	1.01	1.56	5.2	5.4	4.7	4.5	1.1	1.1			0.9/0.8	4'/2'	4'/2'
30	C	1.168	1.614	0.029	50	190	232	2.8	2.8	1974	1959	1963	1810	6182	540		92	2260	1851	52482	1495	27	275	34	0.038	8.1	6.9	6.9	6.8	6.7	6.8	6.8	280	100	100	100	54	0.01	0.01	1.19	1.99	5.0	5.1	3.9	5.6	1.1	1.2			0.9/0.8	4'/2'	5'/3'
31	R	1.418	1.587	0.029	50	190	293	1.2	2.6	2084	2052	1989	1835	6614	550		92	3465	2247	55191	1600	14	277	34	0.046	8.1	6.7	6.9	6.7	6.7	6.8	6.7	280	100	100	100	44	0.00	0.00	0.83	1.09	7.2	6.8	5.6	5.0	1.2	1.0			0.9/0.8	6'/3'	6'/3'
Minimum		0.968	0.000	0.029	50	190	149	0.8	0.8	1904	1937	1894	1732	5614	500	9	91	1203	1851	51348	1358	8	246	30	0.038	7.6	6.7	6.8	6.6	6.6	6.7	6.7	180	80	80	60	24	0.00	0.00	0.00	0.47	4.2	5.1	3.9	4.5	0.4	0.8	2.4	2.7				
Maximum		1.852	1.679	0.029	50	340	355	6.0	7.6	2141	2159	2053	1898	7402	560	24	94	3507	4170	56365	1790	74	291	41	0.081	8.5	6.9	7.2	6.9	6.8	6.8	6.9	300	100	120	100	64	0.28	0.14	2.12	3.49	13.5	12.9	10.9	8.5	1.5	2.6	14.0	4.7				
Average		1.263	1.294	0.029	50	285	242	2.6	3.4	1983	2029	1967	1819	6401	530	19	92	2427	2976	53526	1548	27	270	34	0.060	8.1	6.8	7.0	6.7	6.7	6.7	6.8	248	89	90	87	46	0.04	0.03	0.74	1.59	7.0	8.7	7.2	6.2	0.9	1.4	7.3	3.9				

Month	February	Year	2024	McKinleyville WWMF

Date	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	Combo 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	Combo 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	1.464	1.634	0.029	50	190	282	3.2	1.6	1972	2014	1950	1789	6664	570		92	3443	2320	53189	1612	39	292	32	0.049	7.6	6.8	6.9	6.7	6.7	6.7	6.8	220	80	80	80	44	0.00	0.00	0.43	1.05	12.1	9.5	7.6	7.8	1.2	1.1			0.9/0.9	5'/2'	5'/3'
2	R	1.508	1.679	0.029	50	260	240	4.2	4.4	2010	2073	2012	1856	6326	530	13	92	3018	3270	54484	1530	53	263	34	0.066	7.9	6.7	6.9	6.7	6.7	6.7	6.7	200	80	80	80	42	0.01	0.00	1.09	1.59	13.3	8.6	8.8	7.2	1.2	1.2	9.0	3.1	0.9/0.9	4'/2'	5'2'
3	C	1.444	1.695	0.029	50	260													3131							7.4		6.8																		1.7			0.8/0.9		
4	R	1.496	1.674	0.029	50	260													3244							7.8		6.8																		1.7			0.8/0.9		
5	R	1.632	1.687	0.029	50	260	237	3.2	2.0	2035	2200	1959	1807	6072	520		92	3226	3539	56512	1469	44	265	37	0.073	8.1	6.8	6.9	6.6	6.7	6.8	6.7	280	100	100	100	44	0.05	0.07	0.93	0.86	12.8	10.5	11.5	10.6	1.3	1.0			0.8/0.9	7'/4'	7'/4'
6	O	1.690	1.721	0.029	50	260	175	2.4	1.0	1918	2020	2005	1851	6188	510		92	2467	3665	52549	1497	34	254	34	0.074	7.9	6.6	6.8	6.6	6.6	6.7	6.6	200	80	80	100	34	0.00	0.00	0.12	0.45	8.0	6.9	6.8	6.2	1.0	0.8			0.8/0.9	6'/4'	6'/4'
7	R	1.632	1.741	0.029	50	260	171	2.6	1.6	1975	2064	1918	1764	5948	550		92	2327	3539	53896	1439	35	287	37	0.075	7.9	6.7	6.8	6.6	6.6	6.7	6.6	200	80	80	80	30	0.05	0.00	0.03	0.45	10.6	8.7	8.1	7.2	1.2	0.8			0.8/0.9	6'/3'	6'/3'
8	C	1.456	1.752	0.029	50	260	223	3.4	2.2	1955	2043	1925	1765	5930	540		92	2708	3157	53349	1434	41	281	36	0.067	8.0	6.7	6.8	6.6	6.6	6.7	6.6	200	80	80	80	32	0.03	0.09	0.70	1.30	12.7	7.2	7.3	6.7	1.4	1.0			0.8/0.9	5'/3'	5'/3'
9	O	1.359	1.769	0.029	50	260	263	3.4	3.0	2000	2130	1955	1791	6142	540	24	92	2981	2947	55111	1486	39	276	36	0.062	8.0	6.7	6.8	6.6	6.5	6.7	6.6	220	80	80	80	44	0.03	0.05	0.74	1.18	7.8	10.2	8.6	7.9	1.3	1.1	6.2	3.0	0.8/0.9	5'/1.5'	5'/1.5'
10	C	1.332	1.767	0.029	50	180													2000							8.0		6.8																		1.2			0.8/0.9		
11	C	1.351	1.753	0.029	50	180													2028							8.0		6.9																		1.3			0.8/0.9		
12	C	1.264	1.457	0.029	50	180	342	6.0	3.4	2070	2044	1981	1824	6300	580		92	3605	1898	54897	1524	63	293	35	0.039	8.0	6.8	6.8	6.7	6.7	6.8	6.7	260	100	100	100	54	0.02	0.02	0.84	1.07	4.9	6.4	4.7	4.8	1.4	1.2			0.8/0.9	3.5'/1.5'	4'/2'
13	C	1.216	1.087	0.029	50	180	275	5.6	2.6	1972	2084	1897	1739	6240	500		92	2789	1825	54123	1509	57	264	35	0.039	8.0	6.9	6.9	6.8	6.7	6.7	6.8	240	100	80	100	40	0.02	0.01	0.79	1.44	4.4	4.8	3.4	4.8	1.1	1.1			0.9/0.9	5'/3'	5'/3'
14	R	1.327	1.194	0.029	50	180	259	1.4	1.2	1815	1991	1890	1760	5612	500		93	2866	1992	50787	1357	15	265	37	0.042	7.9	6.8	6.9	6.8	6.7	6.8	6.8	220	100	100	100	46	0.02	0.05	0.44	1.38	3.1	5.3	4.0	4.5	1.3	1.1			0.9/0.9	4'/2'	3'/1.5'
15	R	1.456	1.478	0.029	50	180	232	3.2	1.8	1709	1953	1900	1768	5764	520		93	2817	2186	48866	1394	39	274	34	0.046	8.0	6.8	6.8	6.7	6.7	6.7	6.8	240	100	100	100	36	0.04	0.04	0.65	1.32	9.3	6.1	6.0	5.6	1.0	1.1			0.9/0.9	4'/2'	6'/3'
16	O	1.365	1.591	0.029	50	240	256	3.8	2.2	1797	1865	1856	1723	5732	510	18	93	2914	2732	48866	1386	43	275	34	0.059	8.0	6.7	6.8	6.6	6.6	6.7	6.7	220	100	100	100	42	0.04	0.05	1.92	2.27	6.3	6.8	6.3	5.9	1.6	1.3	11.0	4.3	0.9/0.9	4'/2'	4'/2'
17	R	1.453	1.648	0.029	50	240													2908							7.6		6.9																		1.5			0.9/0.9		
18	O	1.571	1.646	0.029	50	240										.			3145							7.4		6.9																		1.4			0.9/0.9		
19	R	1.612	1.662	0.029	50	240													3227							7.9		6.9																		1.4			0.9/0.9		
20	O	1.531	1.686	0.029	50	240	186	6.2	3.2	2000	2096	2021	1852	6062	480		92	2375	3064	54657	1466	79	238	35	0.062	7.8	6.8	6.8	6.6	6.6	6.7	6.7	200	80	80	80	32	0.02	0.02	1.71	2.30	3.8	7.1	5.1	5.1	1.3	1.2			0.9/0.9	4'/1.5'	3'/1'
21	O	1.449	1.711	0.029	50	240	202	4.4	3.8	1979	2071	2028	1862	6364	500		92	2441	2900	54043	1539	53	247	34	0.058	7.8	6.8	6.8	6.7	6.7	6.7	6.8	200	80	80	80	30	0.00	0.00	1.74	2.28	3.6	7.0	5.2	5.1	1.2	1.4			0.9/0.9	3'/1.5'	4'/1.5'
22	C	1.372	1.716	0.029	50	240	178	3.6	3.2	1955	2062	1952	1805	5942	500		92	2037	2746	53603	1437	41	256	36	0.057	7.9	6.8	6.8	6.8	6.7	6.7	6.8	220	100	80	80	32	0.02	0.03	1.69	2.49	3.3	7.5	4.7	5.2	1.6	1.4			0.9/0.9	3'/1'	4'/2'
23	C	1.319	1.704	0.029	50	230	349	5.4	4.4	1940	2053	2000	1852	5686	490	22	93	3839	2530	53283	1375	59	245	37	0.051	8.0	6.8	6.8	6.7	6.6	6.7	6.7	240	100	100	80	44	0.00	0.02	1.93	2.60	3.8	7.6	5.6	5.4	1.6	1.5	10.0	3.5	0.9/0.9	3'/1'	3'/1.5'
24	C	1.304	1.680	0.029	50	230													2501							8.0		6.9																		1.5			0.9/0.9		
25	C	1.338	1.670	0.029	50	230													2567							8.2		6.9																		1.5			0.9/0.9		
26	O	1.247	1.661	0.029	50	230	249	3.4	1.4	1813	1865	1856	1731	5386	490		93	2590	2392	49079	1303	35	264	37	0.052	8.2	6.8	6.9	6.8	6.7	6.8	6.7	240	100	100	80	50	0.04	0.17	2.18	2.86	3.4	6.2	4.6	4.7	1.4	1.6			0.9/0.9	4'/2'	4'/2'
27	C	1.204	1.676	0.029	50	230	250	2.4	1.8	1776	1897	1840	1700	5998	480		92	2510	2310	49013	1451	24	261	33	0.051	8.1	6.8	6.8	6.7	6.7	6.8	6.7	260	100	100	80	50	0.04	0.01	1.78	2.53	3.7	7.7	4.7	4.4	1.4	1.6			0.9/0.9	3'/1'	3'/2'
28	C	1.184	1.611	0.029	50	230	356	3.0	1.2	1814	1841	1975	1833	5886	490		93	3515	2271	48772	1424	30	248	34	0.046	8.0	6.8	6.8	6.7	6.6	6.7	6.7	240	100	100	80	50	0.02	0.04	1.23	1.95	5.4	8.8	5.7	4.8	1.0	1.2			0.9/0.9	4'/2'	3'/2'
29	R	1.267	1.591	0.029	50	230	437	1.8	1.6	1864	1952	1986	1829	5742	480		92	4618	2430	50921	1389	19	242	36	0.050	8.3	6.8	6.9	6.7	6.6	6.8	6.7	280	80	100	80	52	0.05	0.07	0.51	1.66	5.2	9.4	7.3	6.4	1.0	1.3			0.9/0.9	5'/1'	5'/1.5'
Minimum		1.184	1.087	0.029	50	180	171	1.4	1.0	1709	1841	1840	1700	5386	480	13	92	2037	1825	48772	1303	15	238	32	0.039	7.4	6.6	6.8	6.6	6.5	6.7	6.6	200	80	80	80	30	0.00	0.00	0.03	0.45	3.1	4.8	3.4	4.4	1.0	0.8	6.2	3.0			
Maximum		1.690	1.769	0.029	50	260	437	6.2	4.4	2070	2200	2028	1862	6664	580	24	93	4618	3665	56512	1612	79	293	37	0.075	8.3	6.9	6.9	6.8	6.7	6.8	6.8	280	100	100	100	54	0.05	0.17	2.18	2.86	13.3	10.5	11.5	10.6	1.6	1.7	11.0	4.3			
Average		1.408	1.632	0.029	50	229	258	3.6	2.4	1918	2016	1945	1795	5999	514	19	92	2954	2706	52500	1451	42	264	35	0.056	7.9	6.8	6.8	6.7	6.7	6.7	6.7	229	91	90	87	41	0.03	0.04	1.07	1.65	6.9	7.6	6.3	6.0	1.3	1.3	9.1	3.5			

Month	March	Year	2024	McKinleyville WWMF

Date	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	Combo 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	Combo 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	1.340	1.599	0.029	50	200	242	3.2	1.8	1816	1838	1870	1720	5576	510	15	92	2704	2235	48759	1349	36	273	35	0.049	8.3	6.8	6.8	6.7	6.7	6.8	6.8	260	80	100	80	54	0.05	0.04	0.18	1.63	7.9	7.1	6.6	5.5	1.0	1.2	3.1	2.4	0.9/0.9	6'/2'	4'/2'
2	R	1.469	1.613	0.029	50	200													2450								8.2		6.8																		1.2				0.9/0.9		
3	R	1.564	1.667	0.029	50	200													2609								7.8		6.8																		1.2				0.9/0.9		
4	R	1.478	1.695	0.029	50	200	169	6.6	1.8	1976	1985	1976	1838	5782	450		93	2083	2465	52856	1398	81	228	36	0.050	7.7	6.7	6.8	6.5	6.5	6.6	6.5	200	80	80	80	36	0.23	0.22	1.22	1.82	19.3	18.4	16.0	13.1	1.5	1.2			0.8/0.8	3.5'/2'	4'/3'
5	R	1.702	1.677	0.029	50	200	252	3.8	2.6	2034	2064	1936	1782	6304	510		92	3577	2839	54684	1525	54	263	35	0.060	8.0	6.6	6.9	6.6	6.6	6.6	6.6	220	80	60	60	38	0.02	0.05	1.04	1.47	9.1	9.1	8.6	6.5	1.2	1.2			0.8/0.8	5.5'/3'	5'/3.5'
6	O	1.663	1.675	0.029	50	200	176	0.8	1.6	1994	2057	1945	1789	5995	520		92	2441	2774	54057	1450	11	267	37	0.058	7.9	6.7	6.8	6.6	6.6	6.6	6.6	220	80	80	80	34	0.00	0.03	0.76	1.50	10.0	11.2	10.1	9.0	1.0	0.9			0.8/0.8	4'/2.5'	5'/3'
7	C	1.472	1.708	0.029	50	200	221	2.2	1.6	2044	2020	1885	1730	5952	510		92	2713	2455	54230	1440	27	271	37	0.053	8.1	6.7	6.7	6.6	6.6	6.6	6.6	240	80	80	60	44	0.03	0.06	0.96	1.28	7.9	8.4	6.6	6.0	1.4	0.9			0.8/0.8	5'/3'	5'/2'
8	C	1.371	1.703	0.029	50	260	219	3.8	3.0	1899	1980	1886	1729	5000	460	18	92	2504	2973	51761	1209	43	244	41	0.064	8.1	6.7	6.8	6.6	6.5	6.6	6.7	220	60	80	60	42	0.13	0.07	0.84	1.47	5.2	9.5	6.4	5.9	2.0	1.5	6.2	2.1	0.8/0.8	2.5'/1'	2.5'/1'
9	O	1.401	1.693	0.029	50	260													3038								8.0		6.8																		1.2				0.8/0.8		
10	R	1.613	1.516	0.028	50	260													3498								7.8		6.8																		1.3				0.8/0.8		
11	R	0.410	0.399	0.028	50	260	192	2.6	2.2	1985	1991	1936	1774	5756	480		92	657	889	53056	1344	9	248	39	0.019	7.5	6.7	6.9	6.7	6.7	6.7	6.7	180	60	80	80	32	0.49	0.11	1.48	1.71	7.2	7.5	6.9	6.2	2.1	1.1			0.8/0.8	5'/2.5'	5'/2.5'
12	O	1.486	1.707	0.028	50	260	173	6.0	3.2	2042	1992	1815	1811	5674	480		100	2144	3222	53830	1325	74	264	38	0.067	7.8	6.7	6.8	6.7	6.6	6.7	6.7	180	80	80	80	34	0.05	0.06	0.99	1.46	8.6	11.8	9.7	8.8	1.0	1.2			0.8/0.8	3'/1.5'	3'/1.5'
13	C	1.408	1.710	0.029	50	260	111	8.4	4.0	1881	2075	1932	1771	5950	500		92	1303	3053	52789	1439	99	259	34	0.065	7.7	6.7	6.8	6.7	6.6	6.7	6.7	140	80	80	80	28	0.02	0.03	1.10	1.51	6.5	9.5	8.5	7.1	1.2	3.9			0.8/0.8	3'/1.5'	3'/2'
14	C	1.346	1.696	0.029	50	260	101	2.6	1.0	1857	1962	1839	1693	6056	480		92	1134	2919	50961	1465	29	261	34	0.065	7.7	6.7	6.8	6.7	6.6	6.7	6.7	140	80	80	60	28	0.00	0.03	1.07	1.64	7.0	10.3	8.4	7.2	0.6	1.3			0.8/0.8	3'/1.5'	3'/2'
15	C	1.311	1.675	0.029	50	260	265	2.0	1.6	1923	1936	1884	1732	6436	490	17	92	2897	2843	51494	1557	22	260	33	0.062	7.6	6.7	6.9	6.7	6.6	6.7	6.7	180	100	80	80	30	0.01	0.02	1.11	1.73	6.0	9.4	8.3	6.6	0.7	1.1	2.1	4.8	0.8/0.8	3'/1.5'	3.5'/1.5'
16	C	1.288	1.656	0.028	50	260													2793								8.0		6.9																		1.2				0.8/0.8		
17	C	1.282	1.645	0.029	50	260													2780								7.8		6.9																		1.4				0.8/0.8		
18	O	1.256	1.584	0.028	50	260	483	3.0	2.2	1961	1932	1875	1711	6822	400		91	5059	2724	51948	1593	31	213	32	0.060	8.1	6.8	6.9	6.7	6.7	6.8	6.8	240	100	100	100	46	0.03	0.16	0.90	1.60	2.6	4.8	3.7	4.1	0.9	1.1			0.8/0.8	4'/1'	5'/1.5'
19	O	1.206	1.598	0.029	50	260	229	2.4	1.8	2031	1989	2055	1885	6152	430		92	2303	2615	53643	1488	24	209	35	0.052	8.1	6.9	7.0	6.8	6.7	6.8	6.8	240	120	120	120	46	0.07	0.09	0.98	1.58	1.6	4.4	2.8	3.5	1.2	0.8			0.8/0.8	4'/1'	5'/1.5'
20	O	1.201	1.599	0.029	50	260	238	2.2	1.4	1918	1896	1932	1765	5920	450		91	2384	2604	50894	1432	22	233	35	0.055	8.1	6.9	7.0	6.8	6.7	6.8	6.8	200	120	100	100	42	0.09	0.05	0.94	1.52	4.4	5.8	3.0	3.3	0.9	0.9			0.8/0.8	4'/1'	4'/1'
21	O	1.172	1.528	0.021	50	260	246	3.4	1.6	1869	1880	1823	1678	7176	380		92	2405	2541	50027	1257	33	208	39	0.057	8.1	6.9	7.0	6.8	6.7	6.7	6.8	240	100	100	100	46	0.09	0.04	0.82	1.46	5.4	6.9	4.1	4.0	0.8	0.9			0.8/0.8	5'/1'	4'/1.5'
22	R	1.207	1.438	0.029	50	250	271	2.8	2.6	1901	2029	1850	1689	5828	390	19	91	2728	2517	52442	1410	28	211	36	0.056	8.1	6.9	7.0	6.8	6.7	6.8	6.8	240	120	100	100	44	0.40	0.07	0.93	1.39	3.8	6.6	4.4	4.5	1.0	1.0	5.0	4.6	0.8/0.8	5'/1'	4'/1.5'
23	R	1.333	1.547	0.029	50	250													2779								8.2		7.0																		1.0				0.8/0.8		
24	R	1.611	1.595	0.029	50	250													3359								7.9		6.9																		1.9				0.8/0.8		
25	C	1.510	1.660	0.029	50	250	196	4.2	2.0	1876	1876	1898	1736	5924	440		91	2468	3148	50067	1433	53	232	34	0.068	7.9	6.9	6.9	6.7	6.8	6.7	6.8	240	100	80	100	44	0.02	0.02	0.84	1.06	4.5	4.0	7.0	4.2	1.2	1.3			0.8/0.8	5'/2.5'	5'/3'
26	C	1.394	1.680	0.029	50	250	285	2.8	1.0	1927	2003	1940	1777	6020	410		92	3313	2906	52442	1456	33	211	35	0.061	8.0	6.8	6.9	6.8	6.8	6.7	6.7	240	100	100	100	46	0.04	0.04	0.98	1.31	4.2	4.7	4.0	3.6	1.3	1.9			0.8/0.8	5'/2.5'	4'/2'
27	R	1.378	1.674	0.029	50	250	447	2.8	2.8	1937	1956	1899	1734	5500	430		91	5137	2873	51948	1330	32	226	38	0.062	8.2	6.9	7.0	6.8	6.8	6.8	6.8	260	100	100	100	54	0.00	0.00	0.99	1.21	4.6	3.9	3.3	3.9	1.2	1.0			0.8/0.8	5'/2'	4'/2'
28	R	1.586	1.680	0.029	50	250	226	2.6	1.0	1871	1985	1873	1718	5552	400		92	2989	3307	51454	1343	34	214	37	0.072	7.9	6.9	6.9	6.8	6.7	6.7	6.8	220	100	100	80	76	0.05	0.02	0.72	1.00	4.9	4.6	3.8	4.0	1.1	1.1			0.8/0.8	5'/3'	5'/3'
29	R	1.532	1.697	0.029	50	190	185	4.2	5.6	1934	1972	1893	1723	5562	420	15	91	2364	2428	52122	1345	54	222	37	0.053	8.0	6.9	6.9	6.7	6.7	6.7	6.7	200	100	100	100	48	0.00	0.00	0.66	0.78	4.1	5.5	6.0	4.3	1.5	1.3	5.9	4.9	0.8/0.8	5'/2.5'	5'/3'
30	C	1.438	1.710	0.029	50	190													2279								7.9		6.9																		1.3				0.8/0.8		
31	C	1.407	1.692	0.029	50	190													2230								7.7		6.9																		1.0				0.8/0.8		
Minimum		0.410	0.399	0.021	50	190	101	0.8	1.0	1816	1838	1815	1678	5000	380	15	91	657	889	48759	1209	9	208	32	0.019	7.5	6.6	6.7	6.5	6.5	6.6	6.5	140	60	60	60	28	0.00	0.00	0.18	0.78	1.6	3.9	2.8	3.3	0.6	0.8	2.1	2.1			
Maximum		1.702	1.710	0.029	50	260	483	8.4	5.6	2044	2075	2055	1885	7176	520	19	100	5137	3498	54684	1593	99	273	41	0.072	8.3	6.9	7.0	6.8	6.8	6.8	6.8	260	120	120	120	76	0.49	0.22	1.48	1.82	19.3	18.4	16.0	13.1	2.1	3.9	6.2	4.9			
Average		1.382	1.604	0.029	50	237	235	3.4	2.2	1937	1972	1902	1752	5949	454	17	92	2634	2714	52165	1409	40	239	36	0.057	7.9	6.8	6.9	6.7	6.7	6.7	6.7	214	91	90	86	42	0.09	0.06	0.93	1.43	6.4	7.8	6.6	5.8	1.2	1.3	4.5	3.8			

Month	April	Year	2024	McKinleyville WWMF

Date	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	Combo 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	Combo 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	0.529	0.596	0.029	50	260	231	3.2	2.0	1897	2062	1949	1778	5972	380		91	1019	1147	52829	1444	14	195	36	0.024	8.0	6.9	6.9	6.8	6.7	6.7	6.7	220	80	100	100	40	0.08	0.03	0.50	0.85	1.3	3.8	2.9	3.2	1.5	1.1			0.8/0.8	2'/1'	3'/1'
2	O	1.260	1.600	0.029	50	260	262	2.2	2.2	1933	2053	1983	1804	5544	410		91	2753	2732	53189	1341	23	207	39	0.057	8.0	6.9	7.0	6.8	6.8	6.8	6.8	220	100	100	100	38	0.02	0.04	0.53	0.78	3.6	1.5	2.5	2.9	1.1	1.1			0.8/0.8	2'/.5'	2'/1'
3	O	1.251	1.604	0.029	50	260	129	3.6	3.4	1832	1987	1963	1784	5680	390		91	1346	2713	50961	1374	38	199	36	0.057	7.7	6.9	6.9	6.7	6.7	6.7	6.8	180	100	100	100	26	0.03	0.02	1.07	1.41	1.7	3.5	2.2	2.6	1.1	1.6			0.8/0.8	1.5'/.5'	2'/1.5'
4	O	1.246	1.515	0.029	50	260	317	2.6	2.4	1849	1989	1893	1720	5806	390		91	3294	2702	51214	1404	27	206	36	0.059	8.3	6.9	7.0	6.8	6.8	6.8	6.9	240	100	100	80	48	0.01	0.00	1.07	1.43	2.2	3.8	3.0	3.7	0.9	1.2			0.8/0.8	3'/1.5'	2'/1'
5	C	1.200	1.574	0.029	50	250	229	1.6	2.4	1807	1908	1963	1782	5740	410	18	91	2292	2502	49573	1388	16	209	35	0.053	8.0	6.8	6.9	6.7	6.7	6.7	6.7	220	80	80	80	40	0.02	0.04	0.92	0.99	3.1	5.6	3.7	3.3	0.9	2.4	5.4	5.0	0.8/0.8	2'/1'	3'/1.5'
6	O	1.209	1.482	0.029	50	250													2521							8.2		7.0																	1.1			0.8/0.8		
7	C	1.246	1.522	0.029	50	250													2598							8.2		7.0																	1.0			0.8/0.8		
8	C	1.176	0.877	0.029	50	250	280	3.0	2.0	1768	1901	1894	1737	5700	400		92	2746	2452	48959	1379	29	211	35	0.053	8.2	6.9	7.0	6.8	6.8	6.8	6.8	260	80	80	80	56	0.21	0.33	0.75	0.87	1.7	2.9	3.0	2.3	1.1	1.6			0.8/0.8	4'/2'	3'/1'
9	O	1.254	0.000	0.029	50	250	183	1.4	off	1719	1844	1874	1719	5990	400		92	1914	2615	47545	1449	15	213	32	0.057	7.8	6.9		6.8	6.8	6.8	6.8	220	80	80	80	34	0.15	0.01	0.02		1.7	2.5	1.6	off	0.8				0.8/0.8	3'/1'	3'/1'
10	O	1.123	0.694	0.029	50	250	221	1.4	1.4	1715	1918	1886	1732	5770	420		92	2070	2341	48479	1396	13	223	34	0.051	8.0	6.9	7.1	6.8	6.8	6.7	6.8	260	100	100	100	52	0.03	0.03	0.03	0.31	1.3	2.9	2.0	2.4	0.9	1.3			0.8/0.8	3'/1'	3'/1'
11	C	1.118	1.282	0.029	50	250	339	2.0	0.8	1662	1848	1979	1828	5862	390		92	3161	2331	46837	1418	19	197	33	0.048	8.0	6.9	7.0	6.8	6.8	6.8	6.8	260	100	100	100	60	0.17	0.03	0.53	1.04	2.6	3.4	2.0	2.8	0.9	1.0			0.8/0.8	4'/2'	4'/2'
12	O	1.110	1.379	0.029	50	260	289	1.0	0.8	1694	1854	1846	1695	5720	360	15	92	2675	2407	47345	1383	9	195	34	0.053	8.2	6.9	7.0	6.8	6.8	6.8	6.8	280	100	100	100	66	0.19	0.00	0.50	0.60	2.7	4.3	2.6	2.7	0.9	1.0	4.0	3.0	0.8/0.8	4'/2'	3'/1'
13	R	1.137	1.482	0.029	50	260													2465							8.2		7.1																	1.4			0.8/0.8		
14	R	1.167	1.447	0.029	50	260													2531							7.9		7.0																	1.3			0.8/0.8		
15	C	1.101	1.497	0.029	50	260	246	1.2	2.0	1999	1945	1950	1808	6136	360		93	2259	2387	52629	1484	11	185	35	0.049	8.0	6.9	7.0	6.9	6.8	6.8	6.8	240	120	120	100	44	0.00	0.01	1.44	1.45	2.2	4.4	3.6	3.0	1.2	2.9			0.8/0.8	2'/1'	3'/2'
16	C	1.083	1.395	0.029	50	260	228	2.0	3.4	1829	1986	1813	1650	6150	350		91	2059	2348	50907	1487	18	193	34	0.053	8.0	6.9	6.8	6.9	6.9	6.8	6.8	280	120	120	140	44	0.13	0.07	1.49	1.39	2.7	4.3	3.9	3.6	1.4	1.6			0.8/0.8	2.5'/2'	2.5'/2'
17	C	1.054	1.422	0.029	50	260	134	1.4	3.0	1915	1803	1805	1655	5910	350		92	1178	2285	49613	1429	12	194	34	0.052	7.7	6.9	7.0	6.8	6.8	6.8	6.8	220	140	120	120	34	0.05	0.02	1.63	1.29	3.6	1.9	2.6	1.9	1.3	2.2			0.8/0.8	2'/1.5'	2'/1.5'
18	C	1.054	1.339	0.029	50	260	255	3.4	6.6	1855	2063	1717	1573	6298	350		92	2242	2285	52282	1523	30	204	34	0.054	8.3	6.9	7.1	6.8	6.8	6.8	6.8	280	120	140	120	62	0.02	0.02	2.68	3.15	2.7	4.5	3.9	3.3	1.9	3.4			0.8/0.8	2'/1'	3'/1.5'
19	C	1.024	1.361	0.029	50	310	182	3.4	4.8	1796	2034	2541	2313	6334	370	25	91	1554	2647	51108	1532	29	146	33	0.043	7.9	6.9	6.8	6.8	6.8	6.7	6.8	220	140	120	120	30	0.00	0.00	2.70	2.70	4.4	6.3	5.5	5.1	2.9	3.7	13.0	6.2	0.8/0.8	2'/1.5'	3'/2'
20	C	1.017	1.280	0.029	50	310													2629							7.9		6.9																	3.4			0.8/0.8		
21	C	1.084	1.225	0.029	50	310													2803							7.8		6.9																	2.9			0.8/0.8		
22	C	1.036	1.128	0.029	50	310	285	5.2	5.8	1495	1994	1896	1731	5998	430		91	2462	2678	46557	1451	45	227	31	0.058	8.0	6.9	7.1	6.8	6.8	6.8	6.8	220	120	120	120	38	0.00	0.10	3.00	3.00	1.5	2.4	2.2	2.1	3.0	3.4			0.8/0.8	2'/1'	2'/1'
23	O	1.018	0.980	0.030	50	310	254	4.2	4.0	1908	1902	1791	1638	6490	380		91	2156	2632	50841	16454	36	212	3	0.060	8.2	6.9	7.1	6.8	6.8	6.8	6.9	260	140	120	120	54	0.00	0.02	1.90	3.20	2.0	3.5	2.7	3.0	2.5	3.9			0.8/0.8	2'/1'	2'/1.5'
24	O	1.017	0.963	0.029	50	310	200	3.6	2.8	1864	1984	1951	1776	6222	380		91	1696	2629	51348	1505	31	195	33	0.055	8.1	6.9	7.0	6.8	6.8	6.8	6.8	260	120	120	120	42	0.00	0.01	1.54	2.97	3.4	5.5	4.2	4.1	2.2	2.8			0.8/0.8	2'/1'	2'/1.5'
25	O	1.005	0.913	0.029	50	310	260	2.6	3.6	1802	1933	1930	1762	6380	380		91	2179	2598	49840	1543	22	197	32	0.055	7.4	6.9	7.0	6.8	6.8	6.8	6.8	220	120	120	100	32	0.00	0.00	1.65	2.44	2.7	5.7	4.2	4.1	2.1	2.4			0.8/0.8	2'/1'	2.5'/1.5'
26	R	1.022	1.119	0.029	50	320	313	5.0	4.2	1825	1940	1845	1679	6306	360	20	91	2668	2728	50240	1525	43	195	32	0.061	7.7	7.0	7.0	6.8	6.8	6.8	6.8	240	120	120	120	40	0.01	0.02	1.23	1.26	4.0	7.5	5.4	5.1	1.7	1.9	9.6	3.8	0.8/0.8	2'/1.5'	2.5'/1.5'
27	O	1.026	1.071	0.029	50	320													2738							8.0		7.1																	1.8			0.8/0.8		
28	O	1.064	0.985	0.029	50	320													2840							7.5		7.1																	1.8			0.8/0.8		
29	O	0.997	1.017	0.029	50	320	844	2.8	1.6	1824	1910	1863	1702	6146	360		91	7018	2661	49826	1486	23	193	33	0.059	8.0	6.9	7.1	6.9	6.9	6.8	6.9	280	120	120	120	46	0.00	0.15	1.02	1.59	3.9	6.6	5.9	5.2	1.0	1.6			0.8/0.8	2'/1'	2.5'/1.5'
30	C	0.989	0.996	0.029	50	320	343	3.4	1.0	1895	1919	1881	1719	6688	360		91	2829	2639	50894	1618	28	191	31	0.058	8.3	6.9	7.0	6.8	6.8	6.8	6.8	300	120	120	100	68	0.00	0.01	1.00	1.46	2.5	5.0	3.4	3.2	2.6	1.6			0.8/0.8	2'/1.5	3'/1.5'
Minimum		0.529	0.000	0.029	50	250	129	1.0	0.8	1495	1803	1717	1573	5544	350	15	91	1019	1147	46557	1341	9	146	3	0.024	7.4	6.8	6.8	6.7	6.7	6.7	6.7	180	80	80	80	26	0.00	0.00	0.02	0.31	1.3	1.5	1.6	1.9	0.8	1.0	4.0	3.0			
Maximum		1.260	1.604	0.030	50	320	844	5.2	6.6	1999	2063	2541	2313	6688	430	25	93	7018	2840	53189	16454	45	227	39	0.061	8.3	7.0	7.1	6.9	6.9	6.8	6.9	300	140	140	140	68	0.21	0.33	3.00	3.20	4.4	7.5	5.9	5.2	3.0	3.9	13.0	6.2			
Average		1.087	1.192	0.029	50	279	274	2.7	2.9	1813	1944	1919	1754	6038	381	20	91	2435	2520	50137	2137	24	199	33	0.053	8.0	6.9	7.0	6.8	6.8	6.8	6.8	245	110	109	105	45	0.05	0.04	1.24	1.63	2.6	4.2	3.2	3.3	1.5	2.0	8.0	4.5			

Month	May	Year	2024	McKinleyville WWMF

Date	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	Combo 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	Combo 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	0.962	0.927	0.029	50	279	276	1.4	1.2	1770	1842	1872	1705	6304	360		91	2214	2238	48199	1525	11	192	31	0.049	8.2	6.9	7.1	6.8	6.8	6.8	6.8	280	120	120	120	58	0.03	0.02	0.89	1.11	5.0	8.0	5.5	4.7	0.9	1.4			0.8/0.8	2'/1.5'	2.5'/2'
2	R	0.920	0.950	0.029	50	279	213	1.8	2.2	1863	1881	1874	1709	6412	350		91	1634	2141	49960	1551	14	187	32	0.047	8.1	6.9	7.1	7.0	6.9	6.8	6.9	260	120	100	100	48	0.00	0.00	1.59	1.13	1.2	3.4	2.2	1.9	1.2	1.1			0.8/0.8	3'/1.5'	2.5'/2'
3	C	1.002	1.032	0.029	50	280	233	2.8	2.2	1852	1864	1923	1763	6724	360	11	92	1947	2340	49586	1626	23	187	30	0.050	7.7	7.0	7.0	6.9	6.8	6.8	6.8	280	100	120	100	58	0.03	0.06	0.89	0.95	1.8	4.5	3.0	2.5	1.0	0.9	4.2	2.6	0.8/0.8	1.5'/1'	3'/1.5'
4	R	1.468	1.307	0.029	50	280													3428							7.6		7.0																		2.0			0.8/0.8		
5	C	1.354	1.485	0.029	50	280													3162							7.6		7.0																		1.0			0.8/0.8		
6	O	1.221	1.528	0.029	50	280	296	2.4	2.0	1966	1899	1848	1672	6184	370		90	3014	2851	51575	1496	24	200	34	0.064	8.3	6.8	7.0	6.8	6.8	6.8	6.8	280	120	100	100	48	0.14	0.13	1.08	1.20	0.9	3.4	1.6	1.6	1.0	1.7			0.8/0.8	2'/1'	3'/1'
7	C	1.158	1.424	0.029	50	280	245	4.8	3.2	1902	1940	1871	1707	6164	380		91	2366	2704	51268	1491	46	203	33	0.059	8.1	6.9	7.0	6.8	6.7	6.8	6.8	260	120	120	100	52	0.00	0.00	1.76	2.22	5.8	8.5	6.5	6.1	1.4	1.4			0.8/0.8	2.5'/2'	2.5'/1.5'
8	C	1.136	1.401	0.029	50	280	217	2.2	2.0	1927	1988	1908	1741	6250	380		91	2056	2653	52242	1512	21	199	34	0.057	8.1	6.9	7.0	6.8	6.8	6.8	6.8	220	120	120	100	48	0.00	0.01	1.44	1.63	5.3	8.1	6.3	5.5	1.5	1.1			0.8/0.8	2.5'/2'	2.5'/1.5'
9	C	1.095	1.315	0.029	50	280	286	1.8	1.6	1949	2028	1926	1759	6410	390		91	2612	2557	53069	1550	16	202	34	0.054	8.1	6.9	7.0	6.8	6.8	6.8	6.8	240	120	120	100	50	0.01	0.01	1.14	1.41	4.8	7.1	5.5	4.7	1.0	1.1			0.8/0.8	2'/1.5'	3'/2'
10	C	1.069	1.348	0.029	50	250	215	0.8	2.5	1963	2039	1853	1691	6684	380	27	91	1917	2229	53403	1617	7	205	33	0.049	8.0	6.9	7.0	6.8	6.8	6.8	6.8	200	120	120	120	34	0.00	0.00	0.68	0.67	4.3	6.1	5.7	5.0	0.4	0.7	0.0	0.0	0.8/0.8	2.5'/1.5'	2'/1.5'
11	C	1.080	1.235	0.029	50	250													2252							7.9		7.1																		0.9			0.8/0.8		
12	O	1.096	1.024	0.029	50	250													2285							7.6		7.1																		0.9			0.8/0.8		
13	O	1.071	0.956	0.029	50	250	265	3.0	1.8	1867	1940	1978	1803	6754	380		91	2367	2233	50801	1634	27	192	31	0.046	8.0	7.0	7.0	6.8	6.8	6.8	6.9	240	120	120	120	54	0.02	0.00	0.53	0.56	2.7	3.5	3.2	2.7	1.3	0.8			0.8/0.8	2'/1.5'	2.5'/1.5'
14	O	1.040	0.900	0.029	50	250	204	1.4	2.2	1908	1970	1778	1627	6942	380		92	1769	2168	51748	1679	12	214	31	0.050	8.1	7.0	7.1	6.8	6.8	6.8	6.8	260	120	120	140	42	0.03	0.00	3.06	4.44	1.2	2.6	1.6	1.5	0.9	1.5			0.8/0.8	2.5'/1.5'	2.5'/1.5'
15	C	1.024	0.811	0.029	50	250	313	2.0	1.2	1922	1951	1987	1811	6420	390		91	2673	2135	51681	1553	17	196	33	0.044	8.1	7.0	7.0	6.9	6.8	6.8	6.8	280	120	120	100	54	0.08	0.00	1.32	2.62	1.6	2.6	1.7	1.5	0.8	1.2			0.8/0.8	2'/1'	2'/1.5'
16	O	1.007	0.825	0.029	50	250	212	1.2	1..4	1915	2017	1964	1792	6854	380		91	1780	2100	52469	1658	10	193	31	0.044	8.1	7.0	7.0	6.9	6.9	6.8	6.9	240	120	120	120	50	0.02	0.00	1.11	2.47	2.4	3.6	2.8	2.5	0.6	1.3			0.8/0.8	2'/1.5'	2'/1.5'
17	C	0.982	0.813	0.029	50	320	352	1.4	1.8	1931	1968	1972	1785	6878	370	28	91	2883	2621	52028	1664	11	188	31	0.055	8.1	7.0	7.2	6.8	6.8	6.8	6.8	260	120	120	120	36	0.00	0.00	1.04	1.36	3.4	4.5	3.3	3.1	0.7	1.0	4.0	3.4	0.8/0.8	3/2'	2.5'/1'
18	C	0.980	0.737	0.029	50	320													2615							7.6		7.2																		0.7			0.8/0.8		
19	C	1.023	0.732	0.029	50	320													2730							7.9		7.3																		0.7			0.8/0.8		
20	C	0.981	0.835	0.029	50	320	415	1.4	0.6	1933	1936	1885	1702	7290	350		90	3395	2618	51628	1763	11	186	29	0.058	8.4	7.0	7.2	6.9	6.9	6.8	6.9	320	120	120	120	66	0.05	0.02	0.07	0.09	2.0	3.2	2.5	1.9	0.7	1.0			0.8/0.8	2.5'/2'	2'/1'
21	C	0.953	0.836	0.029	50	320	353	2.4	2.4	1938	1929	1915	1745	6024	370		91	2806	2543	51601	1457	19	193	35	0.055	8.5	7.0	7.1	6.9	6.8	6.9	6.8	340	120	120	120	84	0.00	0.03	1.76	3.43	3.7	6.0	4.6	3.8	1.0	1.5			0.8/0.8	2'/1.5'	2.5'/2'
22	O	0.949	0.835	0.029	50	320	229	1.4	1.6	1926	1960	1870	1708	6798	380		91	1812	2533	51855	1644	11	203	31	0.056	8.1	7.0	7.1	6.9	6.9	6.8	6.9	260	120	120	100	50	0.00	0.00	1.36	2.61	3.0	5.7	4.0	3.3	1.1	1.2			0.8/0.8	2'/1.5'	2.5'/2'
23	C	0.928	0.823	0.029	50	320	247	1.8	1.6	1888	1923	1921	1754	6516	380		91	1912	2477	50854	1576	14	198	32	0.053	8.2	7.0	7.1	6.8	6.8	6.8	6.9	280	120	120	100	54	0.02	0.00	1.01	2.08	3.8	6.3	4.0	3.6	0.8	1.3			0.8/0.8	2'/1.5'	2.5'/2'
24	O	0.923	0.827	0.029	50	380	330	1.4	2.2	1923	1973	1977	1806	6584	390	28	91	2540	2925	51988	1592	11	197	32	0.061	8.1	7.0	7.1	6.9	6.9	6.8	6.9	220	120	120	100	38	0.00	0.00	1.09	0.98	3.7	6.6	5.1	4.2	0.9	1.2	4.0	3.5	0.8/0.8	2.5'/1.5'	2.5'/1.5'
25	O	0.910	0.720	0.029	50	380													2884							7.2		7.2																		1.2			0.8/0.8		
26	C	0.907	0.721	0.029	50	380													2874							8.5		7.2																		1.3			0.8/0.8		
27	O	0.988	0.719	0.029	50	380													3131							8.1		7.3																		1.2			0.8/0.8		
28	C	0.934	0.832	0.029	50	380	296	2.4	0.4	2027	2045	1949	1780	7128	390		91	2306	2960	54337	1724	19	200	31	0.062	8.2	7.0	7.1	6.9	6.9	6.8	6.9	280	120	120	100	54	0.00	0.14	0.43	1.10	0.9	3.4	2.0	1.1	1.1	1.0			0.8/0.8	2'/1.5'	2.5'/2'
29	C	0.891	0.833	0.029	50	380	238	4.4	5.2	1874	1936	1860	1692	7090	370		91	1769	2824	50841	1715	33	199	29	0.063	8.1	7.1	7.2	6.9	6.9	6.8	6.9	240	120	120	100	50	0.02	0.00	2.82	5.08	1.2	3.7	2.3	1.5	2.2	2.6			0.8/0.8	2'/1.5'	2.5'/2'
30	C	0.900	0.826	0.029	50	380	207	1.4	2.8	1824	1901	1893	1718	6896	380		91	1554	2852	49706	1668	11	201	30	0.062	8.2	7.1	7.1	6.9	6.9	6.8	6.9	280	120	120	120	46	0.01	0.02	0.93	2.37	3.2	5.7	4.3	3.5	1.4	1.6			0.8/0.8	2'/1.5'	2.5'/2'
31	C	0.885	0.827	0.029	50	380	324	1.2	2.6	1884	1950	1901	1730	6828	380	28	91	2391	2805	51161	1651	9	200	31	0.061	8.4	7.0	7.1	6.9	6.8	6.8	6.9	260	120	120	100	50	0.03	0.00	0.00	0.24	3.8	7.1	4.3	3.7	0.9	1.0	2.4	3.8	0.8/0.8	2.5'/2'	2.5'/2'
Minimum		0.885	0.719	0.029	50	250	204	0.8	0.4	1770	1842	1778	1627	6024	350	11	90	1554	2100	48199	1457	7	186	29	0.044	7.2	6.8	7.0	6.8	6.7	6.8	6.8	200	100	100	100	34	0.00	0.00	0.00	0.09	0.9	2.6	1.6	1.1	0.4	0.7	0.0	0.0			
Maximum		1.468	1.528	0.029	50	380	415	4.8	5.2	2027	2045	1987	1811	7290	390	28	92	3395	3428	54337	1763	46	214	35	0.064	8.5	7.1	7.3	7.0	6.9	6.9	6.9	340	120	120	140	84	0.14	0.14	3.06	5.08	5.8	8.5	6.5	6.1	2.2	2.6	4.2	3.8			
Average		1.027	0.980	0.029	50	308	271	2.0	2.1	1907	1949	1906	1736	6642	375	24	91	2260	2609	51454	1607	17	197	32	0.054	8.0	7.0	7.1	6.9	6.8	6.8	6.9	263	119	118	109	51	0.02	0.02	1.18	1.81	3.0	5.2	3.7	3.2	1.0	1.2	2.9	2.7			

Month	June	Year	2024	McKinleyville WWMF

Date	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	Combo 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	Combo 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	0.886	0.724	0.029	50	380													2808							8.0		7.2																	1.4			0.8/0.8		
2	O	0.952	0.720	0.029	50	380													3017							7.6		7.2																	1.2			0.8/0.8		
3	O	0.996	0.791	0.019	50	380	254	3.4	1.4	1844	1837	1949	1778	6686	380		91	2110	3157	49119	1059	28	195	45	0.067	8.2	7.0	7.2	6.9	6.9	6.8	6.9	280	120	120	120	50	0.14	0.00	0.07	0.19	1.4	3.3	2.1	1.2	1.0	1.1			0.8/0.8	2.5'/1.5'	2.5'/2'
4	C	0.164	0.224	0.009	50	380	249	2.4	1.2	1963	1767	2019	1761	5342	380		87	341	520	49773	401	3	188	123	0.011	8.3	7.0	7.2	6.9	6.9	6.8	6.9	300	120	120	120	64	0.01	0.00	0.30	0.15	2.8	5.9	4.2	2.7	1.5	2.7			0.8/0.8	2.5'/2'	3'/2.5'
5	O	0.364	0.318	0.009	50	380	273	5.0	4.4	1971	2013	2222	1994	7416	400		90	829	1154	53162	557	15	180	93	0.022	8.1	7.1	7.3	6.9	6.9	6.8	6.9	280	120	120	100	58	0.13	0.07	3.16	4.24	3.6	6.6	5.0	3.5	2.8	3.5			0.8/0.8	2.5'/2'	2.5'/2'
6	O	0.909	0.810	0.028	50	380	195	3.8	2.6	1964	1903	1869	1715	4082	400		92	1478	2881	51601	953	29	214	53	0.063	8.0	7.1	7.2	7.0	6.9	6.8	7.0	260	120	120	100	48	0.00	0.00	1.52	2.50	2.7	5.1	4.2	2.0	2.5	3.1			0.8/0.8	2.5'/2'	2.5'/2'
7	C	0.897	0.803	0.029	50	350	142	4.4	2.4	1924	1818	1856	1667	7582	360	25	90	1062	2618	49933	1834	33	194	27	0.059	8.1	7.0	7.2	6.9	6.9	6.7	6.9	260	120	100	100	50	0.01	0.02	0.18	1.02	3.2	2.0	1.6	3.2	2.7	1.7	4.7	5.4	0.8/0.8	2.5'/2'	2.5'/2'
8	O	0.895	0.727	0.029	50	350													2613							7.9		7.3																	2.2			0.8/0.8		
9	O	0.903	0.711	0.029	50	350													2636							7.8		7.2																	1.8			0.8/0.8		
10	O	0.284	0.257	0.006	50	350	303	4.6	2.4	2031	2135	1940	1785	7122	420		92	718	829	55591	356	11	216	151	0.017	8.0	7.1	7.5	7.1	7.1	6.8	7.1	280	120	120	120	52	0.35	0.29	1.82	3.32	1.9	2.0	2.3	1.8	2.7	2.4			0.8/0.8	3'/1.5'	3'/2'
11	C	0.903	0.820	0.029	50	350	311	2.8	1.8	2071	1971	2165	1947	6930	420		90	2342	2636	53936	1676	21	194	32	0.051	8.5	7.1	7.2	6.9	6.9	6.7	6.9	340	120	100	120	82	0.00	0.00	1.26	1.96	3.7	4.9	3.4	2.9	2.9	2.3			0.8/0.8	2.5'/2'	2.5'/2'
12	O	0.892	0.814	0.029	50	350	235	2.4	2.6	2037	2015	2008	1827	6944	400		91	1748	2604	54070	1679	18	199	32	0.053	8.1	7.1	7.2	6.9	6.9	6.7	7.0	280	120	120	100	58	0.02	0.00	1.32	2.76	3.6	4.9	3.8	3.5	1.7	2.4			0.8/0.8	3'/2.5'	3'/2.5'
13	O	0.904	0.711	0.029	50	350	211	6.0	1.4	1963	1945	1781	1638	6828	400		92	1591	2639	52148	1651	45	225	31	0.060	8.1	7.1	7.2	6.9	6.9	6.8	6.9	260	120	120	120	52	0.02	0.00	1.74	2.05	3.4	4.6	3.7	3.1	3.0	2.3			0.8/0.8	3'/2.5'	3'/2.5'
14	C	0.904	0.711	0.029	50	450	422	3.0	3.8	1943	1986	4273	3813	7582	550	35	89	3182	3393	52429	1834	23	129	28	0.033	8.5	7.1	7.2	6.9	6.9	6.8	6.8	260	120	120	120	48	0.00	0.00	1.62	0.94	3.1	4.6	3.7	3.0	2.7	2.3	3.6	2.2	0.8/0.8	2.5'/2'	3'/2.5'
15	C	0.867	0.701	0.029	50	450													3254							8.0		7.3																	2.5			0.8/0.8		
16	C	0.866	0.703	0.029	50	450													3250							8.3		7.4																	2.7			0.8/0.8		
17	O	0.904	0.706	0.029	50	450	315	7.2	4.6	1974	1987	1954	1786	7642	400		91	2375	3393	52856	1848	54	205	28	0.071	8.4	7.2	7.4	7.0	7.0	6.8	7.0	260	120	100	120	70	0.01	0.00	2.21	1.93	2.8	4.3	3.4	2.8	2.5	2.9			0.8/0.8	3'/2.5'	3'/2.5'
18	O	0.881	0.707	0.029	50	450	357	4.2	4.0	1915	1944	2857	2596	6542	530		91	2623	3306	51494	1582	31	186	32	0.048	8.3	7.1	7.5	7.0	7.0	6.8	6.9	260	120	100	120	68	0.02	0.02	1.89	0.52	3.0	4.6	3.2	2.6	2.1	2.7			0.8/0.8	3'/2.5'	3'/2.5'
19	O	0.868	0.699	0.029	50	450	193	4.0	2.4	1962	1984	1921	1753	6662	410		91	1397	3258	52655	1611	29	213	32	0.070	8.3	7.1	7.4	6.9	6.9	6.8	6.9	240	100	120	120	56	0.00	0.00	2.09	1.90	2.1	4.0	2.9	1.8	4.0	2.3			0.8/0.8	3'/2.5'	3'/2.5'
20	O	0.861	0.704	0.029	50	450	220	3.0	3.4	1989	1958	2015	1837	6662	410		91	1580	3231	52669	1611	22	203	32	0.066	8.0	7.1	7.5	6.9	6.9	6.7	6.9	220	120	120	120	48	0.00	0.13	1.88	2.45	3.2	5.3	4.0	3.1	1.3	2.8			0.8/0.8	3'/2.5'	3'/2.5'
21	O	0.851	0.704	0.029	50	360	296	2.8	3.2	2007	1984	2016	1842	6082	410	30	91	2101	3194	53256	1471	20	203	36	0.065	8.0	7.0	7.5	6.9	6.9	6.7	6.9	220	100	120	100	40	0.16	0.00	2.22	0.95	4.4	6.9	5.1	4.3	1.6	2.6	4.4	5.0	0.8/0.8	2.5'/1.5'	3'/2'
22	O	0.830	0.707	0.029	50	360													3115							7.8		7.6																	3.1			0.8/0.8		
23	O	0.849	0.690	0.029	50	360													3186							8.1		7.6																	3.1			0.8/0.8		
24	O	0.883	0.713	0.029	50	360	203	2.6	4.0	2066	2020	1965	1792	6626	410		91	1495	3314	54524	1603	19	209	34	0.069	7.9	7.1	7.6	7.0	6.9	6.8	7.0	240	120	100	100	60	0.00	0.00	2.17	0.49	3.1	4.3	3.7	2.9	1.5	3.6			0.8/0.8	3'/2.5'	3.5'/3'
25	O	0.848	0.777	0.029	50	360	132	3.4	4.2	1999	1977	1881	1718	7144	420		91	934	3183	53056	1728	24	223	30	0.069	7.9	7.2	7.5	7.0	7.0	6.8	7.0	240	140	120	100	60	0.00	0.00	1.24	2.72	4.1	5.4	4.4	4.0	1.5	2.9			0.8/0.8	3'/2.5	3.5'/3'
26	O	0.839	0.770	0.029	50	360	347	3.8	3.8	1999	1947	1983	1811	6520	410		91	2428	3149	52655	1577	27	207	33	0.065	8.5	7.2	7.5	7.0	7.0	6.8	7.0	340	140	120	120	76	0.00	0.00	2.13	2.63	3.8	5.1	4.4	3.7	3.3	2.7			0.8/0.8	3.5'/3'	3.5'/3'
27	C	0.839	0.774	0.029	50	360	294	4.2	5.4	1958	2017	1948	1777	6552	420		91	2057	3149	53042	1585	29	216	33	0.066	7.9	7.2	7.5	7.0	7.0	6.8	7.0	280	140	120	120	50	0.00	0.00	2.60	2.77	3.3	4.6	3.8	3.1	1.5	3.1			0.8/0.8	3'/2.5'	3'/2.5'
28	O	0.827	0.779	0.029	50	480	348	3.4	5.8	1912	1993	1883	1697	7322	400	35	90	2400	3104	52108	1771	23	212	29	0.069	8.3	7.1	7.2	7.1	7.1	6.8	7.0	280	120	120	120	58	0.01	0.15	0.00	2.46	1.2	2.0	1.8	1.7	1.7	3.1	6.2	6.4	0.8/0.8	3'/2'	3'/2'
29	O	0.816	0.786	0.029	50	480													3062							7.8		7.4																	3.0			0.8/0.8		
30	O	0.822	0.789	0.029	50	480													3085							8.4		7.4																	2.6			0.8/0.8		
Minimum		0.164	0.224	0.006	50	350	132	2.4	1.2	1844	1767	1781	1638	4082	360	25	87	341	520	49119	356	3	129	27	0.011	7.6	7.0	7.2	6.9	6.9	6.7	6.8	220	100	100	100	40	0.00	0.00	0.00	0.15	1.2	2.0	1.6	1.2	1.0	1.1	3.6	2.2			
Maximum		0.996	0.820	0.029	50	480	422	7.2	5.8	2071	2135	4273	3813	7642	550	35	92	3182	3393	55591	1848	54	225	151	0.071	8.5	7.2	7.6	7.1	7.1	6.8	7.1	340	140	120	120	82	0.35	0.29	3.16	4.24	4.4	6.9	5.1	4.3	4.0	3.6	6.2	6.4			
Average		0.817	0.695	0.027	50	395	265	3.8	3.2	1975	1960	2125	1927	6713	417	31	91	1739	2824	52504	1419	25	201	47	0.055	8.1	7.1	7.4	7.0	6.9	6.8	6.9	269	121	115	113	57	0.04	0.03	1.57	1.90	3.0	4.5	3.5	2.8	2.2	2.5	4.7	4.8			

Month	July	Year	2024	McKinleyville WWMF

Date	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	Combo 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	Combo 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	0.862	0.790	0.029	50	450	219	3.0	2.6	1945	2050	2050	1872	6864	420		91	1574	3235	53309	1660	22	205	32	0.065	8.0	7.0	7.5	7.0	7.0	6.8	7.0	300	140	120	120	50	0.00	0.00	2.15	2.95	3.5	4.8	4.3	3.7	1.6	2.5			0.8/.0.8	3'/2.5'	3.5'/3'
2	O	0.830	0.783	0.029	50	450	237	1.6	2.8	1916	1973	1934	1769	6614	430		91	1641	3115	51895	1600	11	222	32	0.066	8.0	7.2	7.5	7.0	7.0	6.8	7.0	300	140	120	120	58	0.00	0.00	2.29	2.99	2.9	3.4	3.2	3.1	1.4	2.9			0.8/0.8	3'/2.5'	3.5'/3'
3	C	0.828	0.775	0.029	50	390	219	4.6	3.4	1944	2070	1840	1677	7336	440	32	91	1512	2693	53563	1774	32	239	30	0.060	8.0	7.2	7.5	7.0	7.0	6.7	7.0	280	120	100	120	54	0.00	0.00	1.71	2.37	3.0	4.0	3.5	2.9	1.9	2.2	4.5	6.2	0.8/0.8	3'/2.5'	3'/2.5'
4	C	0.822	0.834	0.029	50	390													2674							7.9		7.4																		2.3			0.8/0.8		
5	C	0.785	0.843	0.053	50	390	127	4.0	3.6	1992	2051	2021	1826	6560	420		90	831	2553	53950	2894	26	208	18	0.052	7.4	7.1	7.3	6.9	6.9	6.7	7.0	220	140	140	140	34	0.21	0.25	2.26	2.44	1.0	1.5	1.7	1.3	1.5	2.5			0.8/0.8	3'/2'	3'/2'
6	C	0.799	0.835	0.029	50	390													2599							8.2		0.4																		2.5			0.8/0.8		
7	C	0.831	0.849	0.029	50	390													2703							7.8		7.4																		3.5			0.8/0.8		
8	O	0.865	0.841	0.029	50	390	337	3.6	2.6	1904	1819	2012	1811	6542	470		90	2431	2813	49680	1582	26	234	31	0.058	8.0	7.1	7.4	6.9	6.9	6.7	7.0	280	140	140	140	62	0.00	0.00	1.83	2.46	1.5	1.2	1.0	0.5	1.6	2.3			0.8/0.8	5'/3.5'	5'/3.5'
9	O	0.826	0.959	0.029	50	390	350	2.4	3.0	2000	1995	1960	1788	6760	480		91	2411	2687	53309	1635	17	245	32	0.056	7.8	7.1	7.2	7.0	7.0	6.7	7.0	320	140	120	140	60	0.00	0.00	1.78	2.54	3.0	3.4	3.0	2.7	1.5	3.8			0.8/0.8	3'/2.5'	3.5'/3'
10	O	0.821	0.942	0.029	50	390	218	3.8	2.2	1957	2007	1922	1754	6658	490		91	1493	2670	52896	1610	26	255	32	0.057	7.2	7.1	7.2	7.0	7.0	6.7	7.0	220	140	140	140	48	0.07	0.21	2.15	2.83	2.8	3.8	3.3	2.8	2.3	1.9			0.8/0.8	3.5'/3'	3.5'/3'
11	O	0.810	0.897	0.029	50	390	290	4.4	2.2	1958	1966	1958	1783	6808	480		91	1959	2635	52362	1647	30	245	31	0.055	7.9	7.1	7.2	7.0	6.9	6.7	7.0	300	140	140	120	62	0.00	0.00	1.72	2.40	2.8	4.8	3.6	2.8	2.3	1.9			0.8/0.8	3.5'/3'	3.5'/3'
12	O	0.815	0.874	0.029	50	400	387	2.8	6.0	1994	1998	2042	1866	7052	500	34	91	2630	2719	53269	1706	19	245	31	0.055	7.6	7.1	7.2	6.9	6.9	6.8	7.0	280	160	140	140	46	0.12	0.00	1.92	1.55	2.9	5.1	3.7	2.9	1.6	2.3	3.8	5.8	0.8/0.8	3.5'/3'	4'/3.5'
13	O	0.764	0.774	0.029	50	400													2549							7.8		7.1																		2.4			0.8/0.8		
14	O	0.811	0.774	0.029	50	400													2705							8.1		7.2																		2.4			0.8/0.8		
15	O	0.850	0.888	0.029	50	400	301	2.8	4.6	1914	1918	1979	1799	6316	460		91	2134	2836	51134	1528	20	232	33	0.059	7.9	7.1	7.2	6.9	6.9	6.8	7.0	300	140	140	140	58	0.03	0.04	2.07	2.95	1.5	3.5	2.4	1.7	1.1	4.2			0.8/0.8	3'/2'	3'/2'
16	O	0.803	0.936	0.029	50	400	381	1.8	2.8	2047	2031	1945	1771	5970	480		91	2552	2679	54417	1444	12	247	37	0.057	8.2	7.1	7.2	7.0	6.9	6.8	7.0	340	140	140	120	70	0.00	0.00	2.39	3.16	2.8	6.1	3.8	2.9	1.5	2.8			0.8/0.8	3'/2'	3'/2.5'
17	O	0.817	0.949	0.029	50	400	345	4.2	3.0	1950	1932	1956	1783	6288	480		91	2351	2726	51801	1521	29	245	33	0.057	8.1	7.1	7.1	6.9	6.9	6.7	6.9	340	140	120	120	76	0.00	0.00	1.62	2.09	3.3	6.6	4.6	3.2	2.2	2.8			0.8/0.8	3.5'/3'	3.5'/3'
18	O	0.604	0.675	0.017	50	400	379	2.2	2.2	1859	1967	2010	1775	6428	470		88	1909	2015	51054	911	11	234	55	0.043	8.2	7.1	7.1	7.0	6.9	6.8	6.9	360	140	120	140	76	0.00	0.00	1.57	2.16	3.1	6.4	4.7	3.4	1.5	1.8			0.8/0.8	3'/2.5'	3'/2.5'
19	O	0.800	0.947	0.029	50	400	375	3.4	3.8	1953	1831	1908	1737	6208	460	31	91	2502	2669	50494	1501	23	241	33	0.058	7.9	7.1	7.1	7.0	6.9	6.8	7.0	280	140	140	140	48	0.00	0.00	1.46	1.47	3.1	5.9	4.5	4.0	2.0	1.4	2.7	3.1	0.8/0.8	3'/2.5'	3'/2.5'
20	O	0.804	0.780	0.029	50	400													2682							7.9		7.2																		2.2			0.8/0.8		
21	O	0.846	0.786	0.029	50	400													2822							8.2		7.2																		0.7			0.8/0.8		
22	O	0.836	0.922	0.029	50	400	164	3.6	3.4	1975	1842	1844	1687	6590	450		91	1143	2789	50934	1594	25	244	31	0.062	7.4	7.1	7.1	6.8	6.7	6.7	6.7	220	140	120	100	30	0.00	0.00	5.24	3.54	13.5	16.1	8.0	4.1	1.5	1.9			0.8/0.8	4.5'/4'	4.5'/4'
23	O	0.803	0.918	0.029	50	400	272	7.4	0.8	2044	1962	2039	1856	7060	470		91	1822	2679	53456	1708	50	231	30	0.054	8.3	7.0	7.1	6.9	6.8	6.7	6.9	360	120	120	100	82	0.00	0.00	3.45	0.26	7.6	12.7	11.4	6.3	3.5	0.8			0.8/0.8	3.5'/3'	3.5'/3'
24	O	0.807	0.925	0.029	50	400	288	3.8	2.6	2055	1882	1863	1697	6450	450		91	1938	2692	52535	1560	26	242	33	0.059	7.8	7.1	7.1	6.9	6.9	6.8	6.9	280	140	140	120	58	0.00	0.00	1.92	2.69	4.6	9.5	7.9	4.8	1.5	1.7			0.8/0.8	3.5'/3'	3.5'/3'
25	O	0.806	0.931	0.029	50	400	276	3.2	2.4	1988	1956	1915	1737	7164	450		91	1855	2689	52629	1733	22	235	30	0.058	8.0	7.1	7.2	6.9	6.9	6.8	6.9	340	140	160	140	52	0.00	0.00	2.07	3.00	2.7	6.2	4.3	2.3	1.3	1.6			0.8/0.8	3.5'/2.5'	2.5'/2'
26	O	0.795	0.917	0.029	50	310	272	4.0	3.4	1829	1815	1900	1716	6198	480	30	90	1803	2055	48626	1499	27	253	32	0.045	7.7	7.1	7.2	7.0	7.0	6.8	7.0	300	140	140	140	40	0.00	0.00	1.82	2.06	5.2	6.3	4.9	4.3	1.9	1.3	3.5	3.7	0.8/0.8	3'/2'	3'/2.5'
27	O	0.792	0.790	0.029	50	310													2048							7.9		7.1																		2.0			0.8/0.8		
28	O	0.844	0.777	0.029	50	310													2182							8.2		7.2																		1.9			0.8/0.8		
29	O	0.829	0.907	0.029	50	310	335	2.4	1.0	1985	1929	1959	1788	5860	440		91	2316	2143	52228	1417	17	225	36	0.045	8.1	7.1	7.2	7.0	6.9	6.8	7.0	380	140	140	120	78	0.02	0.00	2.34	3.27	2.7	5.2	4.2	2.8	1.6	1.3			0.8/0.8	3.5'/3'	3'/2.5'
30	O	0.815	0.919	0.029	50	310	325	2.2	3.0	2002	1970	1978	1808	7436	440		91	2209	2107	53002	1798	15	222	29	0.044	8.2	7.1	7.2	7.0	6.9	6.7	6.9	360	140	140	140	68	0.08	0.08	1.87	2.72	1.0	2.7	2.1	1.6	1.3	1.7			0.8/0.8	3.5'/3'	3.5'/3'
31	O	0.808	0.937	0.029	50	310	110	1.6	1.2	2002	1942	1931	1764	6920	450		91	741	2089	52629	1674	11	233	31	0.044	7.4	7.1	7.2	7.0	7.0	6.7	7.0	240	140	140	140	34	0.01	0.00	1.24	1.75	2.8	4.1	3.5	2.7	1.1	1.0			0.8/0.8	3.5'/3'	3'/2.5'
Minimum		0.604	0.675	0.017	50	310	110	1.6	0.8	1829	1815	1840	1677	5860	420	30	88	741	2015	48626	911	11	205	18	0.043	7.2	7.0	0.4	6.8	6.7	6.7	6.7	220	120	100	100	30	0.00	0.00	1.24	0.26	1.0	1.2	1.0	0.5	1.1	0.7	2.7	3.1				
Maximum		0.865	0.959	0.053	50	450	387	7.4	6.0	2055	2070	2050	1872	7436	500	34	91	2630	3235	54417	2894	50	255	55	0.066	8.3	7.2	7.5	7.0	7.0	6.8	7.0	380	160	160	140	82	0.21	0.25	5.24	3.54	13.5	16.1	11.4	6.3	3.5	4.2	4.5	6.2				
Average		0.811	0.860	0.029	50	383	282	3.3	2.8	1964	1950	1953	1776	6640	460	32	91	1898	2589	52235	1636	22	235	33	0.055	7.9	7.1	7.0	7.0	6.9	6.8	7.0	300	139	133	129	57	0.02	0.03	2.13	2.44	3.5	5.6	4.3	3.0	1.7	2.1	3.6	4.7				

Month	August	Year	2024	McKinleyville WWMF

Date	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	Combo 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	RAS pH	Combo MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	Combo Alkalinity	Influent Ammonia mg/L	Combo Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	Combo 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	0.811	0.917	0.029	50	310	257	2.8	1.4	1949	1776	7534	440		91	352	2097	52015	1822	24	226	28	0.044	7.8	7.1	7.2	6.7	7.0	280	140	140	52	0.00	1.56	1.95	3.6	3.5	2.0	1.6	1.1			0.8/0.8	3'/2.5'	3'/2.5'
2	C	0.804	0.926	0.029	50	360	311	3.2	1.4	1904	1734	6764	460	28	91	295	2414	50814	1636	30	242	31	0.052	7.5	7.1	7.2	6.7	7.0	280	140	140	44	0.00	1.10	1.33	4.7	4.4	1.3	1.3	1.2	2.5	4.0	0.8/0.8	3'/2.5'	3'/2.5'
3	C	0.789	0.774	0.029	50	360											2369							7.8		7.1															1.1			0.8/0.8		
4	C	0.833	0.779	0.029	50	360											2501							8.0		7.1															1.6			0.8/0.8		
5	O	0.824	0.895	0.029	50	360	410	0.4	2.0	1889	1736	6326	440		92	591	2474	50414	1530	48	233	32	0.053	8.1	7.1	7.1	6.8	7.0	400	140	140	86	0.00	1.80	2.91	6.5	7.0	2.9	0.5	1.2			0.8/0.8	3'/2.5'	3.5'/3'
6	O	0.814	0.864	0.029	50	360	241	1.6	1.2	1838	1679	7062	430		91	367	2444	49053	1708	34	234	28	0.055	8.0	7.1	7.2	6.7	7.0	300	140	140	54	0.00	1.61	2.24	5.0	5.0	2.2	0.5	1.6			0.8/0.8	3.5'/3'	3.5'/3'
7	C	0.805	0.824	0.029	50	360	305	0.8	1.0	1947	1779	6708	430		91	416	2417	51962	1622	29	221	31	0.051	7.8	7.0	7.2	6.8	7.0	320	140	120	62	0.00	1.36	2.38	4.5	4.3	2.4	0.8	1.7			0.8/0.8	3'/2.5'	3'/2.5'
8	C	0.807	0.811	0.029	50	360	431	3.4	5.0	1991	1806	6288	460		91	444	2423	53136	1521	14	231	35	0.050	8.0	7.1	7.2	6.8	7.1	360	140	140	66	0.49	1.40	2.35	1.8	2.1	2.4	1.5	2.3			0.8/0.8	3.5'/3'	4'/3.5'
9	O	0.792	0.637	0.029	50	390	356	4.0	3.0	1883	1725	6554	450	28	92	291	2576	50254	1585	30	239	31	0.056	7.5	7.1	7.1	6.8	7.1	300	140	140	44	0.06	1.08	1.75	3.8	4.6	1.8	1.7	1.4	2.7	3.6	0.8/0.8	3'/2.5'	3.5'/3'
10	O	0.782	0.642	0.029	50	390											2544							7.8		7.1															2.2			0.8/0.8		
11	O	0.832	0.638	0.029	50	390											2706							8.0		7.2															1.1			0.8/0.8		
12	C	0.827	0.806	0.030	50	390	197	2.6	2.2	1941	1755	6442	430		90	221	2690	51801	1612	30	222	32	0.057	7.4	7.1	7.1	6.8	7.0	240	140	120	32	0.02	1.19	1.90	4.3	4.4	1.9	0.9	1.4			0.8/0.8	3'/2.5'	3'/2'
13	C	0.796	0.815	0.029	50	390	387	2.2	0.6	1898	1741	6696	410		92	544	2589	50654	1619	42	216	30	0.056	8.2	7.1	7.1	6.8	6.9	380	120	140	82	0.00	1.26	1.86	7.1	6.3	1.9	1.4	0.9			0.8/0.8	3'/2.5'	3'/2.5'
14	O	0.807	0.780	0.029	50	390	189	2.0	1.0	1939	1783	6316	420		92	269	2625	51748	1528	40	217	33	0.055	7.5	7.1	7.1	6.8	6.9	260	140	120	40	0.00	0.93	1.66	5.9	5.9	1.7	1.5	1.4			0.8/0.8	3.5'/3'	3'/2.5'
15	O	0.796	0.772	0.029	50	390	274	1.0	2.6	1758	1614	6238	430		92	398	2589	46918	1509	40	245	30	0.060	7.9	7.1	7.1	6.8	6.9	320	140	140	60	0.01	0.07	3.80	6.5	6.1	3.8	0.5	1.8			0.8/0.8	3.5'/3'	3.5'/3'
16	O	0.781	0.762	0.029	50	390	364	1.0	2.8	1903	1746	6814	420	28	92	326	2540	50787	1648	41	221	30	0.055	8.1	7.1	7.1	6.9	6.9	280	140	120	50	0.02	0.04	2.43	7.4	6.3	2.4	0.8	0.7	0.0	2.1	0.8/0.8	3.5'/3'	3.5'/3'
17	O	0.788	0.614	0.029	50	390											2563							7.9		7.1															2.4			0.8/0.8		
18	O	0.833	0.618	0.029	50	390											2709							8.3		7.2															4.2			0.8/0.8		
19	C	0.822	0.771	0.029	50	390	312	2.0	2.2	1897	1736	6768	400		92	384	2674	50627	1637	32	211	30	0.058	7.8	7.1	7.2	6.8	6.9	320	140	140	56	0.00	0.12	3.40	4.7	4.7	3.4	1.3	2.1			0.8/0.8	3'/2.5'	3'/2.5'
20	C	0.800	0.744	0.029	50	390	297	0.2	6.0	1855	1703	6672	380		92	414	2602	49506	1614	31	205	30	0.057	7.9	7.0	7.1	6.8	6.9	260	140	140	62	0.02	0.09	4.88	4.5	4.7	4.9	0.3	3.0			0.8/0.8	3'/2.5'	3.5'/3'
21	C	0.830	0.758	0.029	50	390	464	0.2	3.6	1922	1761	7120	370		92	526	2700	51294	1722	34	193	29	0.057	8.2	7.0	7.1	6.8	6.9	380	140	140	76	0.00	0.23	3.20	5.2	4.9	3.2	0.4	2.7			0.8/0.8	3'/2.5'	3'/2.5'
22	O	0.811	0.754	0.029	50	390	357	0.4	1.8	1911	1753	6940	370		92	528	2638	51001	1679	38	194	30	0.056	8.1	7.0	7.1	6.8	6.9	380	140	120	78	0.00	0.12	1.64	6.1	5.6	1.6	0.5	1.8			0.8/0.8	2'/1.5'	2.5'/2'
23	O	0.830	0.705	0.029	50	400		0.6	1.8	1733	1605	6344	370	30	93	332	2769	46250	1534	50	214	29	0.065	7.9	7.0	7.1	6.8	6.9	280	140	120	48	0.00	0.11	1.87	6.9	7.2	1.9	0.5	2.1	0.0	2.3	0.8/0.8	2'/1.5'	2.5'2'
24	R	0.847	0.647	0.029	50	400											2826							7.4		7.0															1.6			0.8/0.8		
25	C	0.878	0.645	0.029	50	400											2929							8.3		7.1															1.7			0.8/0.8		
26	C	0.829	0.728	0.029	50	400	309	1.8	1.8	1819	1672	6664	400		92	512	2766	48545	1612	113	220	28	0.062	8.0	6.8	7.0	6.8	6.7	340	120	100	74	0.03	0.68	1.73	15.6	16.4	1.7	1.0	2.4			0.8/0.8	2.5'/2'	3'/2.5'
27	O	0.792	0.703	0.029	50	400	273	2.6	0.8	1741	1599	6576	420		92	396	2642	46464	1590	87	241	28	0.062	7.8	6.9	7.0	6.8	6.8	320	120	120	60	0.00	0.07	1.38	13.0	13.1	1.4	1.2	1.4			0.8/0.8	2.5'/2'	3'/2.5'
28	C	0.805	0.699	0.029	50	400	240	2.6	2.2	1796	1646	6786	440		92	443	2685	47932	1641	85	245	28	0.061	8.0	6.9	7.0	6.8	6.8	320	120	120	66	0.02	0.07	1.57	13.0	12.6	1.6	1.1	2.4			0.8/0.8	2'/1.5'	2.5'/2'
29	O	0.817	0.722	0.029	50	400	333	3.8	3.2	1793	1637	7516	430		91	477	2726	47852	1818	66	240	25	0.062	8.1	7.0	7.1	6.9	6.8	360	120	120	70	0.02	0.08	1.69	11.0	9.7	1.7	0.8	1.9			0.8/0.8	3'/1.5'	3'/2'
30	O	0.774	0.728	0.029	50	510	415	3.4	2.6	1842	1687	6402	440	19	92	284	3292	49159	1548	57	239	31	0.073	8.0	7.0	7.1	6.9	6.9	280	120	120	44	0.00	0.00	1.33	10.0	8.9	1.3	0.9	1.1	2.4	4.0	0.8/0.8	2.5'/2'	2.5'/2'
31	O	0.794	0.678	0.029	50	510											3377							7.6		7.1															1.0			0.8/0.8		
Minimum		0.774	0.614	0.029	50	310	189	0.2	0.6	1733	1599	6238	370	19	90	221	2097	46250	1509	14	193	25	0.044	7.4	6.8	7.0	6.7	6.7	240	120	100	32	0.00	0.00	1.33	1.8	2.1	1.3	0.3	0.7	0.0	2.1			
Maximum		0.878	0.926	0.030	50	510	464	4.0	6.0	1991	1806	7534	460	30	93	591	3377	53136	1822	113	245	35	0.073	8.3	7.1	7.2	6.9	7.1	400	140	140	86	0.49	1.80	4.88	15.6	16.4	4.9	1.7	4.2	2.7	4.0			
Average		0.811	0.747	0.029	50	391	320	1.9	2.3	1870	1712	6706	420	27	92	400	2642	49917	1624	45	225	30	0.057	7.9	7.0	7.1	6.8	6.9	316	135	129	59	0.03	0.68	2.24	6.9	6.7	2.2	0.9	1.8	1.5	3.2			

Month	September	Year	2024	McKinleyville WWMF

Date	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	Combo 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	RAS pH	Combo MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	Combo Alkalinity	Influent Ammonia mg/L	Combo Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	Combo 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	0.795	0.685	0.029	50	400																		8.2		7.1														0.9			0.8/0.8		
2	O	0.882	0.686	0.029	50	400											2942							7.7		7.1														1.9			0.8/0.8		
3	O	0.816	0.753	0.029	50	400	286	1.8	1.0	1760	1620	6924	430		92	395	2722	46971	1675	68	244	27	0.063	7.9	7.0	7.1	6.9	6.9	320	120	120	58	0.00	0.06	1.38	9.6	10.0	5.8	0.6	0.9			0.8/0.8	2.5'/2'	2.5'/2'
4	C	0.807	0.752	0.029	50	400	320	1.2	3.0	1830	1677	6374	400		92	552	2692	48839	1542	63	219	30	0.060	8.1	7.0	7.1	6.9	6.9	380	120	120	82	0.02	0.05	1.95	10.0	9.3	5.6	0.5	2.5			0.8/0.8	2.5'/2'	2'/1.5'
5	O	0.784	0.754	0.029	50	400	391	1.6	1.6	1738	1593	7382	430		92	536	2615	46384	1785	61	247	25	0.062	8.4	7.0	7.1	6.9	6.9	400	120	120	82	0.01	0.05	1.26	9.7	9.3	5.6	0.5	0.9			0.8/0.8	2'/1.5'	2'/1.5'
6	O	0.794	0.766	0.029	50	400	400	1.4	1.6	1774	1631	6620	420	30	92	318	2649	47345	1601	65	237	28	0.061	8.0	7.0	7.1	6.9	6.9	280	120	120	48	0.18	0.06	1.65	9.6	9.8	6.3	0.6	2.5	0.0	3.6	0.8/0.8	2.5'/2'	2.5'/2'
7	O	0.812	0.706	0.029	50	400											2709							8.3		7.2														1.6			0.8/0.8		
8	O	0.872	0.705	0.029	50	400											2909							7.9		7.2														1.5			0.8/0.8		
9	C	0.806	0.768	0.029	50	400	255	1.2	2.2	1832	1681	6316	420		92	390	2689	48892	1528	71	229	31	0.060	7.9	7.1	7.2	6.9	6.9	320	120	120	58	0.14	0.16	2.36	10.6	10.5	6.1	0.5	1.5			0.8/0.8	2'/1.5'	2'/1.5'
10	O	0.789	0.728	0.029	50	400	238	0.8	2.4	1740	1596	6340	430		92	395	2632	46437	1533	76	247	29	0.062	7.6	7.0	7.1	6.9	6.9	300	120	120	60	0.29	0.05	2.20	12.3	11.6	7.0	0.4	1.6			0.8/0.8	2.5'/2'	2'/1.5'
11	O	0.801	0.757	0.029	50	400	466	1.0	6.2	1633	1502	6812	410		92	561	2672	43582	1648	74	251	25	0.067	8.2	6.9	7.1	6.8	6.8	380	120	120	84	0.00	0.07	2.43	11.4	11.1	6.4	0.6	3.7			0.8/0.8	2'/1.5'	2.5'/2'
12	C	0.802	0.753	0.028	50	400	338	2.2	2.6	1870	1713	6914	390		92	441	2675	49907	1615	80	209	29	0.059	7.9	6.9	7.1	6.8	6.8	340	120	120	66	0.24	0.05	1.89	12.1	12.0	7.7	1.1	1.4			0.7/0.7	2'/1.5'	2'/1.5'
13	O	0.784	0.778	0.026	50	430	344	1.0	3.8	1773	1624	6384	400	26	92	288	2812	47318	1384	73	226	32	0.065	7.8	6.9	7.1	6.8	6.8	280	120	120	44	0.02	0.06	2.10	11.5	11.2	7.2	1.0	2.3	0.0	2.1	0.7/0.7	2'/1.5'	2'/1.5'
14	C	0.810	0.709	0.026	50	430											2905							7.9		7.0														2.5			0.7/0.7		
15	C	0.877	0.707	0.026	50	430											3145							7.6		7.0														2.0			0.7/0.7		
16	C	0.815	0.767	0.026	50	430	419	1.6	2.8	1903	1736	7440	370		91	462	2923	50787	1613	42	194	31	0.063	8.2	7.0	7.1	6.9	7.0	360	120	120	68	0.01	0.29	2.40	6.3	6.2	3.7	0.8	2.1			0.7/0.7	2'/1'	2'/1'
17	O	0.795	0.785	0.026	50	430	349		3.8	1930	1746	6372	390		90	318	2851	51508	1382	47	202	36	0.061	7.8	7.1	7.2	6.8	7.0	300	120	120	48	0.03	0.06	2.10	6.6	7.1	4.5	0.6	3.0			0.7/0.7	2.5'/2'	2.5'/2'
18	C	0.822	0.742	0.026	50	430	314	1.8	4.0	1790	1646	7274	360		92	466	2948	47772	1577	51	201	29	0.067	8.1	7.0	7.1	6.8	6.9	320	100	120	68	0.01	0.03	1.73	7.7	7.5	4.9	0.8	1.9			0.7/0.7	2'/1.5'	2'/1.5'
19	O	0.816	0.742	0.026	50	430	375	0.8	3.6	1771	1641	6188	400		93	653	2926	47264	1342	66	226	34	0.067	8.3	7.0	7.1	6.8	6.8	380	120	120	96	0.00	0.32	2.28	11.4	9.7	6.0	0.8	2.5			0.7/0.7	2.5'/2'	2.5'/2'
20	O	0.779	0.713	0.026	50	460	409	1.4	3.6	1893	1715	7220	380	34	91	312	2989	50520	1566	71	201	31	0.065	7.9	6.9	7.1	6.8	6.8	260	120	100	48	0.42	0.29	2.43	12.2	11.0	6.4	0.6	1.9	0.0	4.2	0.7/0.7	3'/2.5'	3'/2.5'
21	C	0.796	0.692	0.026	50	460											3054							7.8		7.0														2.2			0.7/0.7		
22	C	0.869	0.687	0.026	50	460											3334							7.9		7.1														2.1			0.7/0.7		
23	C	0.583	0.563	0.015	50	460	178	1.2	2.6	1943	1794	7356	380		92	224	2237	51855	920	50	196	53	0.047	7.4	7.0	7.2	6.8	6.9	260	120	120	46	0.00	0.20	2.42	10.0	10.2	6.0	0.5	1.8			0.7/0.7	2.5'/2'	2'/1.5'
24	C	0.789	0.816	0.026	50	460	431	0.8	2.2	1884	1732	6476	400		92	540	3027	50280	1404	61	212	34	0.065	8.3	7.0	7.1	6.8	6.9	360	120	120	82	0.00	0.08	1.93	9.5	9.3	6.1	0.4	1.6			0.7/0.7	2'/1.5'	2'/1.5'
25	O	0.781	0.777	0.026	50	460	372	0.8	2.0	2245	2051	6972	450		91	534	2996	59915	1512	60	200	38	0.055	7.9	7.0	7.1	6.9	6.9	360	120	100	82	0.27	0.04	2.10	8.9	9.2	5.7	0.6	1.6			0.7/0.7	2.5'/2'	2.5'/2'
26	O	0.799	0.811	0.026	50	460	259	1.2	2.0	1901	1742	6804	400		92	480	3065	50734	1475	39	210	33	0.066	8.1	7.0	7.1	6.8	6.9	320	120	120	72	0.02	0.07	1.99	6.3	5.9	2.1	0.4	1.5			0.7/0.7	2.5'/2'	2.5'/2'
27	O	0.788	0.788	0.026	50	320	345	2.2	2.4	1902	1727	6462	400	26	91	434	2103	50761	1401	63	210	35	0.046	7.9	7.0	7.2	6.9	7.0	320	120	120	66	0.07	0.10	1.91	9.9	9.6	4.4	0.6	1.2	0.0	2.0	0.7/0.7	2.5'/2'	2.5'/2'
28	O	0.797	0.666	0.026	50	320											2127							7.6		7.2														1.7			0.7/0.7		
29	O	0.863	0.667	0.026	50	320											2303							7.9		7.1														1.1			0.7/0.7		
30	C	0.806	0.796	0.026	50	320	291	1.0	1.0	1690	1550	6502	340		92	457	2151	45103	1410	63	201	31	0.052	8.0	7.0	7.1	6.9	6.9	320	120	120	68	0.68	0.20	2.14	11.0	9.3	5.4	0.9	1.2			0.7/0.7	2.5'/2'	2.5'/2'
Minimum		0.583	0.563	0.015	50	320	178	0.8	1.0	1633	1502	6188	340	26	90	224	2103	43582	920	39	194	25	0.046	7.4	6.9	7.0	6.8	6.8	260	100	100	44	0.00	0.03	1.26	6.3	5.9	2.1	0.4	0.9	0.0	2.0			
Maximum		0.882	0.816	0.029	50	460	466	2.2	6.2	2245	2051	7440	450	34	93	653	3334	59915	1785	80	251	53	0.067	8.4	7.1	7.2	6.9	7.0	400	120	120	96	0.68	0.32	2.43	12.3	12.0	7.7	1.1	3.7	0.0	4.2			
Average		0.804	0.734	0.027	50	410	339	1.3	2.7	1840	1686	6757	400	29	92	438	2752	49109	1496	62	218	32	0.061	8.0	7.0	7.1	6.9	6.9	328	119	118	66	0.12	0.11	2.03	9.8	9.5	5.6	0.6	1.8	0.0	3.0			

Month	October	Year	2024	McKinleyville WWMF

Date	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	Combo 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	RAS pH	Combo MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	Combo Alkalinity	Influent Ammonia mg/L	Combo Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	Combo 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	0.786	0.765	0.026	50	430	306	0.4	0.8	1946	1825	6668	400		94	511	2819	51935	1446	74	206	34	0.058	7.9	7.0	7.1	6.9	6.9	320	120	120	78	0.06	0.07	2.84	11.5	11.3	6.5	0.5	0.9			0.7/0.7	2.5'/2'	2.5'/2'
2	C	0.787	0.747	0.026	50	430	396	2.8	2.4	1939	1789	7348	390		92	420	2822	51748	1593	66	201	31	0.059	7.9	7.0	7.1	6.8	6.9	340	140	120	64	0.02	0.25	2.27	10.7	10.0	6.1	0.7	1.4			0.7/0.7	2.5'/2'	2.5'/2'
3	C	0.785	0.874	0.026	50	430	409	4.2	3.0	1856	1709	7264	400		92	602	2815	49533	1575	77	216	30	0.062	8.4	7.0	7.1	6.8	6.9	420	120	120	92	0.00	0.03	2.07	12.4	11.8	7.0	1.1	1.5			0.7/0.7	2.5'/2'	2.5'/2'
4	C	0.779	0.875	0.025	50	530	397	1.4	3.6	1921	1764	7552	400	32	92	390	3443	51268	1575	77	208	31	0.073	8.0	7.0	7.1	6.8	6.9	300	120	120	60	0.00	0.06	2.33	12.5	11.8	7.6	0.5	1.7	0.0	5.6	0.7/0.7	2.5'/2'	2.5'2'
5	C	0.803	0.753	0.023	50	530											3549							7.4		7.1														1.5			0.7/0.7		
6	C	0.855	0.748	0.023	50	530											3779							8.4		7.1														1.6			0.7/0.7		
7	C	0.805	0.456	0.023	50	530	369	1.0	3.4	2051	1887	6948	420		92	591	3558	54737	1333	85	205	39	0.071	8.3	7.0	7.1	6.8	6.9	380	140	120	88	0.00	0.12	2.20	12.2	12.7	8.9	0.5	2.2			0.6/0.6	2.5'/2'	2.5'/2'
8	O	0.787	0.000	0.023	50	530	228	1.2		1965	1808	6774	420		92	407	3479	52442	1299	57	214	39	0.072	8.0	7.0		6.9	6.9	320	140	120	62	0.00	0.02		9.4	8.7		0.4				0.6/0.6	2.5'/2'	2.5'/2'
9	O	0.781	0.538	0.023	50	530	375	1.4	2.6	1967	1811	6272	430		92	495	3452	52495	1203	52	219	42	0.071	8.2	7.0	7.2	6.9	7.0	360	120	120	76	0.21	0.00	2.17	8.8	8.0	6.2	0.5	1.5			0.6/0.6	2.5'/2'	3'/2.5'
10	O	0.781	0.805	0.023	50	530	289	0.6	1.4	1954	1801	7774	410		92	495	3452	52148	1491	66	210	33	0.072	8.2	7.0	7.1	6.8	6.9	320	120	120	76	0.00	0.32	2.41	12.2	10.1	6.5	0.4	1.5			0.6/0.6	3'/2.5'	3'/2.5'
11	O	0.769	0.810	0.023	50	360	366	0.8	1.4	1900	1751	7710	400	32	92	398	2309	50707	1479	83	211	32	0.049	8.3	7.0	7.1	6.8	6.9	300	120	120	62	0.03	0.19	2.35	14.1	13.0	7.6	0.9	2.3	2.4	5.0	0.6/0.6	3.5'/3'	3'/2.5'
12	R	0.802	0.727	0.023	50	360											2408							7.8		7.0														2.1			0.6/0.6		
13	O	0.842	0.736	0.023	50	360											2528							7.6		7.1														2.1			0.6/0.6		
14	O	0.804	0.729	0.023	50	360											2414							7.8		7.0														1.2			0.6/0.6		
15	O	0.777	0.826	0.023	50	360	308	2.0	1.8	2392	2176	7416	500		91	337	2333	63838	1423	52	209	43	0.040	7.9	7.0	7.1	6.8	6.9	320	120	120	52	0.04	0.14	2.49	8.7	8.0	5.2	0.5	1.1			0.6/0.6	3.5'/3'	3.5'/3'
16	R	0.771	0.904	0.023	50	360	449	1.0	3.6	2055	1892	7338	440		92	373	2315	54844	1408	62	214	37	0.046	8.4	7.0	7.1	6.8	6.9	400	120	120	58	0.13	0.11	2.54	9.8	9.7	6.8	0.6	2.3			0.6/0.6	3.5'/3'	3.5'/3'
17	C	0.774	0.915	0.023	50	360	117	1.0	3.2	2006	1848	7836	440		92	258	2324	53536	1503	65	219	34	0.047	7.5	7.0	7.1	6.8	6.9	240	120	120	40	0.00	0.15	2.40	11.3	10.0	6.5	0.6	1.2			0.6/0.6	3'/2.5'	3.5'/3'
18	C	0.768	0.917	0.021	50	380	383	1.4	1.6	2039	1876	7798	440	33	92	361	2453	54417	1366	67	216	38	0.049	7.8	7.0	7.1	6.8	6.9	280	120	120	56	0.00	0.09	2.62	11.1	10.4	6.8	0.5	1.2	0.0	4.4	0.6/0.6	3.5'/3'	3.5'/3'
19	C	0.789	0.865	0.020	50	380											2500							7.9		7.1														1.8			0.6/0.6		
20	O	0.857	0.873	0.020	50	380											2716							8.5		7.2														0.9			0.6/0.6		
21	R	0.810	0.928	0.020	50	380	313	2.2	1.4	1976	1820	7844	440		92	608	2567	52735	1308	76	223	38	0.053	8.3	7.0	7.1	6.8	7.0	400	140	140	90	2.39	0.72	2.89	11.4	11.3	8.4	0.8	1.1			0.6/0.6	4'/3.5'	4'/3.5'
22	O	0.780	0.899	0.019	50	380	294	2.2	2.8	2006	1829	6428	460		91	507	2472	53536	1019	66	229	49	0.051	8.0	7.1	7.1	6.8	6.9	360	160	120	78	6.20	9.60	7.04	15.0	10.1	5.7	0.9	3.0			0.6/0.6	3.5'/3'	3.5'/3'
23	O	0.809	0.922	0.021	50	380	319	1.2	1.6	2029	1863	8032	460		92	607	2564	54150	1407	109	227	36	0.052	8.4	6.9	7.1	6.8	6.8	380	120	100	90	1.28	4.40	4.32	19.0	16.2	9.5	1.2	1.0			0.7/0.7	3.5'/3'	3.5'/3'
24	C	0.780	0.916	0.020	50	380	334	2.2	0.4	2011	1842	8358	440		92	455	2472	53670	1394	111	219	36	0.050	8.1	6.9	7.0	6.8	6.8	340	120	120	70	0.28	0.91	1.11	18.3	17.1	9.8	1.3	0.8			0.7/0.7	3.5'/3'	3.5'/3'
25	C	0.758	0.917	0.023	50	400	343	2.8	2.8	2042	1865	7826	430	28	91	316	2529	54497	1501	94	211	34	0.051	8.0	6.9	7.1	6.8	6.9	280	100	120	50	0.43	0.03	0.88	14.3	14.9	8.7	0.8	0.8	2.1	2.9	0.7/0.7	3'/2'	3.5'/3'
26	C	0.791	0.867	0.024	50	400											2639							7.6		7.1														0.8			0.7/0.7		
27	R	0.884	0.872	0.024	50	400											2949							7.6		7.1														1.2			0.7/0.7		
28	O	0.835	0.931	0.024	50	400	156	1.4	0.6	2059	1892	8572	430		92	306	2786	54951	1716	82	209	31	0.055	7.5	7.0	7.1	6.8	6.9	260	120	120	44	0.00	0.24	0.65	11.9	11.8	7.5	0.7	0.7			0.7/0.7	3'/2.5'	3'/2.5'
29	C	0.788	0.917	0.024	50	400	211	0.8	1.4	2115	1938	6864	420		92	407	2629	56445	1374	70	199	39	0.051	7.9	7.0	7.1	6.8	6.9	300	120	120	62	0.03	0.17	2.30	10.2	10.6	6.4	0.7	1.1			0.7/0.7	3'/2.5'	3'/2.5'
30	O	0.809	0.891	0.024	50	400	232	0.8	2.4	2124	1947	7686	410		92	421	2629	56685	1538	74	193	35	0.051	8.0	7.0	7.1	6.8	6.9	320	120	120	64	0.05	0.09	2.35	10.9	10.9	6.5	0.5	2.0			0.7/0.7	3'/2.5'	3'/2.5'
31	O	0.781	0.859	0.024	50	400	245	1.2	2.0	1942	1781	7204	380		92	352	2605	51828	1442	73	196	34	0.055	8.2	7.0	7.1	6.8	6.9	320	120	120	54	0.03	0.11	2.52	12.5	11.2	6.9	0.6	2.6			0.7/0.7	3'/2.5'	3'/2.5'
Minimum		0.758	0.000	0.019	50	360	117	0.4	0.4	1856	1709	6272	380	28	91	258	2309	49533	1019	52	193	30	0.040	7.4	6.9	7.0	6.8	6.8	240	100	100	40	0.00	0.00	0.65	8.7	8.0	5.2	0.4	0.7	0.0	2.9			
Maximum		0.884	0.931	0.026	50	530	449	4.2	3.6	2392	2176	8572	500	33	94	608	3779	63838	1716	111	229	49	0.073	8.5	7.1	7.2	6.9	7.0	420	160	140	92	6.20	9.60	7.04	19.0	17.1	9.8	1.3	3.0	2.4	5.6			
Average		0.798	0.799	0.023	50	419	311	1.5	2.1	2013	1851	7432	425	31	92	437	2784	53734	1427	74	211	36	0.056	8.0	7.0	7.1	6.8	6.9	330	125	120	67	0.51	0.81	2.51	12.2	11.3	7.2	0.7	1.5	1.1	4.5			

Month	November	Year	2024	McKinleyville WWMF

Date	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	Combo 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	RAS pH	Combo MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	Combo Alkalinity	Influent Ammonia mg/L	Combo Ammonia mg/L	Sec Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	Combo 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	0.851	0.857	0.024	50	390	233	1.0	2.8	2122	1946	6514	400	30	92	440	2768	56632	1304	85	189	41	0.053	7.8	7.0	7.2	6.8	6.9	300	120	100	62	0.00	0.16	2.35	13.3	12.0	7.7	1.2	1.4	0.0	5.1	0.7/0.7	3'/2.5'	3.5'/3'
2	O	0.890	0.804	0.024	50	390											2895							7.6		7.1														1.2			0.7/0.7		
3	C	0.944	0.828	0.025	50	390											3070							7.8		7.1														1.4			0.7/0.7		
4	O	0.851	0.857	0.024	50	390	290	1.4	0.8	2155	1981	7388	420		92	497	2768	57513	1479	67	195	37	0.052	7.7	7.0	7.1	6.9	6.9	320	120	120	70	0.17	0.42	2.04	9.4	9.5	7.2	1.0	0.9			0.7/0.7	3'/2.5'	3'/2.5'
5	C	0.825	0.893	0.024	50	390	230	1.8	3.0	2097	1931	7908	390		92	399	2683	55965	1583	66	186	34	0.052	8.1	7.0	7.1	6.8	6.9	300	120	120	58	0.18	0.23	3.76	10.0	9.6	6.7	0.8	1.5			0.7/0.7	3'/2.5'	3'/2.5'
6	C	0.813	0.929	0.024	50	390	282	1.4	1.0	2084	1922	7282	390		92	380	2644	55618	1458	71	187	36	0.052	7.7	7.0	7.1	6.8	6.9	300	120	120	56	0.27	0.16	1.66	11.4	10.4	7.2	0.7	0.7			0.7/0.7	2.5'/2'	2.5'/2'
7	C	0.803	0.925	0.024	50	390	292	1.6	1.2	2080	1911	7640	380		92	469	2612	55511	1529	72	183	35	0.051	8.1	7.0	7.1	6.9	6.9	340	120	120	70	0.27	0.12	0.89	11.1	10.7	6.7	0.8	0.9			0.7/0.7	3'/2.5'	3'/2.5'
8	C	0.798	0.911	0.024	50	450	366	1.6	1.6	1966	1812	7870	380	29	92	346	2995	52469	1575	73	193	32	0.062	8.3	7.0	7.1	6.8	6.9	280	120	120	52	0.14	0.10	1.04	11.5	11.0	7.6	1.0	1.1	2.5	5.5	0.7/0.7	3'/2.5'	3.5'/3'
9	C	0.819	0.854	0.024	50	450											3074							8.1		7.2														1.2			0.7/0.7		
10	O	0.842	0.853	0.024	50	450											3160							7.8		7.1														1.2			0.7/0.7		
11	R	0.935	0.844	0.024	50	450											3509							7.6		7.1														0.8			0.7/0.7		
12	O	0.836	0.908	0.026	50	450	288	1.4	0.8	1987	1832	8322	370		92	418	3138	53029	1805	67	186	28	0.064	8.1	7.0	7.2	6.8	6.9	320	120	120	60	0.10	0.17	1.43	9.6	9.6	7.3	0.8	0.7			0.7/0.7	2.5'/2'	2.5'/2'
13	R	0.899	0.900	0.027	50	450	284	1.4	1.6	2173	2000	7904	380		92	390	3374	57993	1780	68	175	31	0.063	7.9	7.0	7.2	6.8	6.9	300	120	120	52	0.08	0.09	2.77	9.6	9.1	7.0	0.6	1.2			0.7/0.7	2.5'/2'	2'/1.5'
14	R	0.925	0.930	0.027	50	450	152	2.4	2.2	2161	1989	7950	360		92	231	3472	57673	1790	66	167	31	0.065	7.5	7.0	7.2	6.8	6.9	200	120	120	30	0.01	0.17	2.75	8.5	8.5	6.7	0.5	1.3			0.7/0.7	2'/1.5'	2'/1'
15	C	0.839	0.930	0.029	50	450	302	4.2	2.8	2271	2092	7400	370	20	92	238	3149	60608	1790	69	163	33	0.056	7.5	7.0	7.1	6.9	6.8	220	100	120	34	0.05	0.25	2.61	10.0	9.8	7.9	0.8	1.5	2.6	4.0	0.7/0.7	2'/2'	2.5'/2'
16	O	0.864	0.849	0.031	50	450											3243							7.4		7.1														0.9			0.7/0.7		
17	O	0.925	0.844	0.031	50	450											3472							8.1		7.1														0.9			0.7/0.7		
18	O	0.891	0.996	0.031	50	450	304	1.2	1.2	2152	1977	8050	380		92	520	3344	57433	2081	78	177	27	0.063	8.0	7.0	7.1	6.8	6.9	320	120	100	70	0.16	0.55	5.02	10.3	10.5	7.2	0.7	1.0			0.7/0.7	2.5'/2'	2.5'/2'
19	O	0.858	1.240	0.033	50	450	408	0.4	0.8	2089	1919	7636	370		92	458	3220	55751	2102	71	177	26	0.063	8.5	6.9	7.0	6.8	6.9	340	100	100	64	0.28	0.47	1.86	11.8	9.9	7.6	0.4	0.7			0.7/0.7	2.5'/2'	2.5'/2'
20	R	1.035	1.230	0.035	50	450	306	1.6	1.2	2139	1968	8734	370		92	518	3884	57086	2549	103	173	22	0.074	8.1	6.9	7.1	6.9	6.8	280	120	100	60	0.14	0.27	1.95	12.6	11.9	8.5	0.7	0.6			0.7/0.7	2.5'/2'	2.5'/2'
21	R	1.363	1.648	0.035	50	450	300	2.6	2.2	2111	1947	8278	380		92	546	5115	56338	2416	147	180	22	0.098	8.1	6.9	7.0	6.9	6.7	260	100	100	48	1.83	1.95	3.38	14.1	12.9	9.3	1.6	1.1			0.7/0.7	3.5'/3'	3'/2.5'
22	O	1.320	1.864	0.035	50	420	543	2.0	2.6	2039	1874	6998	380	37	92	396	4624	54417	2043	144	186	25	0.092	8.2	6.8	6.9	6.7	6.7	220	100	100	36	0.81	0.95	2.91	13.0	13.1	10.8	0.8	1.2	2.1	3.0	0.7/0.7	2.5'/2'	2.5'/2'
23	O	1.197	1.646	0.035	50	420											4193							8.3		7.1														0.5			0.7/0.7		
24	C	1.149	1.514	0.035	50	420											4025							8.4		7.2														0.8			0.7/0.7		
25	O	1.169	1.498	0.035	50	420	153	0.4	0.6	2002	1848	6552	360		92	409	4095	53429	1913	101	180	27	0.083	7.9	6.8	6.9	6.7	6.7	240	100	100	42	0.01	0.97	2.26	10.2	10.4	7.5	0.2	0.6			0.7/0.7	3'/2.5'	2.5'/2'
26	O	1.157	1.595	0.035	50	420	211	0.2	0.4	2131	1965	7242	380		92	482	4053	56872	2114	90	178	26	0.077	8.1	6.8	7.0	6.8	6.7	260	100	100	50	0.01	0.61	1.80	8.9	9.3	7.0	0.4	0.7			0.7/0.7	2.5'/2'	2'/1.5'
27	C	1.077	1.460	0.035	50	280	316	0.2	1.8	1987	1828	7042	370	25	92	395	2515	53029	2056	83	186	25	0.052	8.3	6.8	6.9	6.8	6.7	240	100	100	44	0.01	0.57	2.50	9.1	9.2	7.0	0.2	0.8	0.0	0.0	0.7/0.7	2.5'/2'	2'/1.5'
28	C	1.071	1.457	0.035	50	280											2501							8.3		7.0														0.7			0.7/0.7		
29	C	0.987	1.403	0.035	50	280											2305							8.4		7.0														0.6			0.7/0.7		
30	C	0.983	1.358	0.035	50	280											2296							8.4		7.0														0.8			0.7/0.7		
Minimum		0.798	0.804	0.024	50	280	152	0.2	0.4	1966	1812	6514	360	20	92	231	2296	52469	1304	66	163	22	0.051	7.4	6.8	6.9	6.7	6.7	200	100	100	30	0.00	0.09	0.89	8.5	8.5	6.7	0.2	0.5	0.0	0.0			
Maximum		1.363	1.864	0.035	50	450	543	4.2	3.0	2271	2092	8734	420	37	92	546	5115	60608	2549	147	195	41	0.098	8.5	7.0	7.2	6.9	6.9	340	120	120	70	1.83	1.95	5.02	14.1	13.1	10.8	1.6	1.5	2.6	5.5			
Average		0.964	1.128	0.030	50	408	292	1.5	1.6	2097	1930	7595	379	28	92	419	3273	55965	1854	84	181	30	0.065	8.0	6.9	7.1	6.8	6.8	280	112	110	53	0.25	0.46	2.39	10.8	10.4	7.6	0.7	1.0	1.4	3.5			

Month	December	Year	2024	McKinleyville WWMF

Date	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	Combo 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	RAS pH	Combo MLSS pH	Influent Alkalinity mg/L	Sec. Eff. Alkalinity mg/L	Combo Alkalinity	Influent Ammonia mg/L	Combo Ammonia mg/L	Sec. Eff. Ammonia mg/L	Final Eff. Ammonia mg/L	Combo 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	1.039	1.368	0.035	50	450											3899							8.4		7.0														0.6			0.7/0.7		
2	C	0.977	1.330	0.035	50	450	258	0.6	0.2	1976	1823	6740	370		92	538	3667	52735	1967	88	187	26	0.075	8.1	6.8	7.0	6.8	6.7	280	100	100	66	0.98	1.27	3.45	11.5	10.8	7.6	1.0	0.6			0.7/0.7	3'/2.5'	2.5'/2'
3	C	0.929	1.278	0.035	50	450	261	0.6	0.2	1939	1794	6920	360		93	418	3487	51748	2020	62	186	25	0.073	8.2	6.8	7.0	6.8	6.7	280	120	120	54	0.92	1.17	3.14	9.6	8.0	4.9	0.5	0.6			0.7/0.7	2.5'/2'	1.5'/1'
4	O	0.927	1.303	0.035	50	450	345	1.2	0.6	1911	1766	6630	380		92	618	3479	51001	1935	101	199	25	0.074	8.6	6.8	7.0	6.8	6.7	360	100	100	80	0.25	0.81	3.05	14.7	13.0	9.1	0.6	0.7			0.7/0.7	2.5'/2'	2.5'/2'
5	C	0.904	1.261	0.035	50	450	256	1.4	0.8	2016	1849	7854	340		92	392	3393	53803	2293	95	169	23	0.069	8.1	6.9	7.0	6.8	7.1	280	80	80	52	0.29	0.73	3.25	13.6	12.6	7.2	0.6	0.6			0.7/0.7	2.5'/2'	2.5'/2'
6	C	0.899	1.264	0.035	50	360	316	2.4	1.4	1889	1740	7482	330	24	92	330	2699	50414	2184	119	175	22	0.058	8.2	6.7	7.0	6.8	6.6	240	80	100	44	0.41	0.53	3.07	16.3	15.9	10.6	2.4	0.7	2.8	2.1	0.7/0.7	2.5'/2'	2'/1.5'
7	O	0.921	1.217	0.035	50	360											2765							7.5		7.1														0.6			0.7/0.7		
8	C	0.985	1.224	0.035	50	360											2957							7.4		7.1														0.6			0.7/0.7		
9	C	0.918	1.275	0.035	50	360	355	1.6	1.0	1846	1704	7254	350		92	521	2756	49266	2117	111	190	22	0.061	8.1	6.8	7.0	6.8	6.7	280	100	80	68	0.29	0.33	2.91	15.0	14.5	10.2	1.4	0.7			0.7/0.7	2.5'/2'	2'/1.5'
10	O	0.893	1.208	0.035	50	360	304	1.8	0.6	1885	1737	7000	370		92	462	2681	50307	2043	101	196	23	0.058	8.2	6.8	7.0	6.8	6.6	280	100	80	62	0.15	0.38	1.66	14.7	13.5	8.2	0.7	0.6			0.7/0.7	2.5'/2'	2'/1.5'
11	O	0.892	1.177	0.038	50	360	263	1.6	0.8	1926	1774	6742	350		92	446	2678	51401	2137	109	182	23	0.057	8.2	6.7	7.0	6.8	6.6	280	100	80	60	0.19	0.45	1.86	16.2	14.7	8.7	1.1	0.9			0.7/0.7	2.5'/2'	2'/1.5'
12	C	0.984	1.275	0.039	50	360	270	2.6	2.0	1857	1713	7612	360		92	460	2954	49560	2476	133	194	19	0.065	8.2	6.7	6.9	6.8	6.6	280	80	80	56	0.62	0.64	1.68	17.1	16.2	10.2	1.3	0.9			0.7/0.7	2.5'/2'	2.5'/2'
13	R	1.077	1.240	0.039	50	440	163	3.8	2.8	1909	1764	7274	350	23	92	359	3952	50947	2366	129	183	20	0.084	7.7	6.7	7.0	6.8	6.6	220	100	80	40	0.10	0.39	1.89	14.3	14.4	10.8	2.7	1.8	4.2	2.6	0.7/0.7	2.5'/2'	2.5'/2'
14	R	1.250	1.340	0.039	50	440											4587							8.0		7.1														1.6			0.7/0.7		
15	O	1.190	1.417	0.039	50	440											4367							8.1		7.1														1.5			0.7/0.7		
16	O	1.170	1.484	0.039	50	440	210	1.4	1.2	1873	1733	5610	360		93	468	4293	49987	1825	140	192	25	0.093	7.9	6.8	6.9	6.7	6.7	220	100	80	48	0.03	0.85	2.72	13.0	14.3	10.1	1.3	1.3			0.7/0.7	1.5'/1'	1.5'/1'
17	O	1.100	1.366	0.039	50	440	232	2.0	0.6	1885	1744	5488	350		93	495	4037	50307	1785	93	186	27	0.087	8.2	6.8	7.0	6.7	6.7	260	100	100	54	0.03	0.22	0.98	9.9	10.1	7.8	1.5	0.9			0.7/0.7	1.5'/1'	1.5'/1'
18	O	1.080	1.443	0.039	50	440	234	0.8	1.0	1899	1749	6288	350		92	432	3963	50681	2045	86	184	24	0.085	8.2	6.8	7.0	6.8	6.7	240	100	80	48	0.09	0.61	2.24	10.0	9.5	7.1	0.9	0.9			0.7/0.7	2'/1.5'	2'/1.5'
19	O	1.056	1.317	0.039	50	440	228	2.6	1.2	1773	1642	6526	330		93	528	3875	47318	2123	84	186	21	0.088	8.2	6.8	7.0	6.8	6.7	260	100	100	60	0.18	0.45	2.64	9.8	9.5	7.3	1.1	1.1			0.7/0.7	2'/1.5'	2'/1.5'
20	O	1.017	1.376	0.039	50	400	375	1.4	2.8	1593	1480	6330	330	23	93	373	3393	42514	2059	83	207	20	0.086	8.0	6.7	6.9	6.7	6.7	220	80	80	44	0.36	0.85	2.44	9.0	9.8	7.9	1.1	1.2	3.0	2.8	0.7/0.7	2'/1.5'	1.5'/1
21	R	1.064	1.310	0.039	50	400											3550							7.8		7.0														1.0			0.7/0.7		
22	O	1.073	1.236	0.039	50	400											3580							7.6		6.9														1.1			0.7/0.7		
23	O	1.136	1.294	0.039	50	400	298	0.4	1.0	1744	1621	6184	310		93	568	3790	46544	2011	59	178	22	0.088	8.2	6.8	7.0	6.8	6.7	300	100	100	60	0.02	0.90	3.44	6.4	6.2	3.9	0.5	0.8			0.7/0.7	1.5'/1'	1.5'/1'
24	O	1.553	1.387	0.039	50	400											5181							8.1		7.0														1.0			0.7/0.7		
25	O	1.243	1.497	0.039	50	400											4147							7.6		7.0														1.2			0.7/0.7		
26	O	1.256	1.513	0.039	50	400	292	0.4	0.8	1785	1660	5170	330		93	587	4190	47638	1682	93	185	27	0.095	8.2	6.7	6.9	6.7	6.7	280	100	100	56	0.03	0.55	4.20	9.2	8.9	7.4	0.3	1.3			0.7/0.7	1.5'/1'	1.5'/1'
27	O	1.350	1.558	0.039	50	360	325	0.6	1.8	1828	1696	5094	330	26	93	473	4053	48786	1657	83	181	28	0.090	7.9	6.7	6.9	6.7	6.6	220	100	100	42	0.00	0.26	3.62	8.3	7.4	7.1	0.9	0.5	0.0	0.0	0.7/0.7	2'/1.5'	1.5'/1'
28	R	1.376	1.600	0.039	50	360											4131							7.8		7.0														1.0			0.7/0.7		
29	R	1.795	1.597	0.039	50	360											5389							7.6		7.1														1.0			0.7/0.7		
30	C	1.491	1.668	0.039	50	360	174	1.2	0.4	1597	1500	5004	300		94	509	5389	42621	1628	103	188	25	0.135	7.7	6.7	6.9	6.7	6.6	180	100	80	34	0.02	0.67	4.26	7.3	6.9	5.5	0.9	1.5			0.7/0.7	1.5'/1'	1'/0.5'
31	O	1.370	1.697	0.039	50	360	145	0.2	1.6	1783	1643	5408	310		92	366	4113	47585	1759	66	174	26	0.094	7.8	6.8	6.9	6.6	6.7	180	80	80	32	0.01	0.20	4.68	6.8	5.8	5.9	0.2	0.6			0.7/0.7	1.5'/1'	1'/0.5'
Minimum		0.892	1.177	0.035	50	360	145	0.2	0.2	1593	1480	5004	300	23	92	330	2678	42514	1628	59	169	19	0.057	7.4	6.7	6.9	6.6	6.6	180	80	80	32	0.00	0.20	0.98	6.4	5.8	3.9	0.2	0.5	0.0	0.0			
Maximum		1.795	1.697	0.039	50	450	375	3.8	2.8	2016	1849	7854	380	26	94	618	5389	53803	2476	140	207	28	0.135	8.6	6.9	7.1	6.8	7.1	360	120	120	80	0.98	1.27	4.68	17.1	16.2	10.8	2.7	1.8	4.2	2.8			
Average		1.126	1.372	0.038	50	402	265	1.4	1.1	1846	1707	6431	343	24	92	467	3787	49258	2006	97	186	24	0.081	8.0	6.8	7.0	6.8	6.7	257	96	90	53	0.25	0.61	2.86	11.6	11.1	7.9	1.0	0.9	2.5	1.9			

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
SLUDGE and SOLIDS MONITORING/Feet 2024

	Biosolids Basin		
	CENTER	SOUTH	NORTH
1	7.0	6.0	7.0
2	7.0	6.0	7.0
3	7.0	6.0	7.0
4	7.0	6.0	7.0
5	7.0	6.0	7.0
6	7.0	6.0	7.0
7	7.0	6.0	7.0
8	7.0	6.0	7.0
9	7.0	6.0	7.0
10	7.0	6.0	7.0
11	7.0	6.0	7.0
12	7.0	6.0	7.0
13	7.0	6.0	7.0
14	6.0	6.0	7.0
15	6.0	6.0	7.0
16	6.0	6.0	7.0
17	6.0	6.0	7.0
18	6.0	6.0	7.0
19	6.0	6.0	7.0
20	6.0	6.0	7.0
21	6.0	6.0	7.0
22	6.0	6.0	7.0
23	6.0	6.0	7.0
24	6.0	5.0	7.0
25	6.0	5.0	7.0
AVERAGE	6.5	5.9	7.0
MAXIMUM	7.0	6.0	7.0
MINIMUM	6.0	5.0	7.0

		ALL
AVERAGE	ALL	6.5
MAXIMUM	ALL	7.0
MINIMUM	ALL	5.0

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 4.10 MG

CAPACITY Biosolids Basin= 5.80 Million Gallons

REMAINING Capacity in Biosolids Basin= o Million Gallons

Comments: The Biosolid Basin was dredged in 2022

REMAININ

EXHIBIT M

2024 Annual Recycling Summary Report

Exhibit C lists disposal site locations, daily volumes, monthly totals and Annual totals. Attached to this report you will find the Annual Recycle Water Production and Use report along with a sample of the daily Irrigation Site Observation Form.

The Recycled Water Production Reports lists volumes of water for each discharge point in acre-feet, total area of application in acres and total nitrogen application rate in lb/acre-month as per the NPDES requirements.

The daily Irrigation Site Observation Form is a template of what staff uses each day that recycled water was discharged at points 003, 004, 005, and 006. During daily inspections, each site is monitored for ponding, flow rate and pipe repairs. Irrigation pipe and flood cells are moved daily keeping in mind that all set-back requirements are met. Best management practices are used to prevent run-off or ponding. If ponding is present, usually cause by pipe disconnecting, it is noted on the daily inspection form and irrigation is shut down to that location until ponding percolates into the ground.

Wells were monitored weekly along with Quarterly samples. (Exhibit H)

The Fischer Ranch is leased to a hay production company that cuts the fodder crop, bails it, and removes it from the property. In 2024 the company removed 3150 tons of hay and corn from Discharge Point 003 and 006.

Recycled Water Production and Use

Recycled water quality characteristics and precipitation data shall be used to ascertain nitrogen loading rates at each recycled water use site. The following information shall be reported for each use site or use site type.

Parameter	Units	Sample Type	Frequency Sample	Frequency Reporting
Volume of Recycled Water	acre-feet	Meter	Monthly	Annually
Total Area of Application	acres	Observation	Monthly	Annually
Total Nitrogen Application Rate	lbs/acre-month	Calculation	Monthly	Annually

Recycle Water Production and Use		**MAY 2024**				
Location	Discharge Point	Nitrate/mg/l	total acres	acre-feet/mo	lbs	lbs/acre-month
Fischer Upper	004	1.6	36	.942	33.357	.927
Fischer Lower	003	1.6	45	0.000	0.000	0.000
Pialorsi	006	1.6	88	.103	8.915	.101
Hiller	005	1.6	25	0.000	0.000	0.000

Recycle Water Production and Use		**JUNE 2024**				
Location	Discharge Point	Nitrate/mg/l	total acres	acre-feet/mo	lbs	lbs/acre-month
Fischer Upper	004	1	36	1.827	40.434	1.123
Fischer Lower	003	1	45	0.000	0.000	0.000
Pialorsi	006	1	88	0.034	1.849	0.021
Hiller	005	1	25	0.000	0.000	0.000

Recycle Water Production and Use		**JULY 2024**				
Location	Discharge Point	Nitrate/mg/l	total acres	acre-feet/mo	lbs	lbs/acre-month
Fischer Upper	004	.71	36	2.079	32.679	.908
Fischer Lower	003	.71	45	0.053	1.044	0.023
Pialorsi	006	.71	88	0.060	2.306	0.026
Hiller	005	.71	25	0.000	0.000	0.000

Recycle Water Production and Use		AUGUST 2024				
Location	Discharge Point	Nitrate/mg/l	total acres	acre-feet/mo	lbs	lbs/acre-month
Fischer Upper	004	.82	36	1.689	30.663	0.852
Fischer Lower	003	.82	45	0.067	1.519	0.034
Pialorsi	006	.82	88	0.082	3.627	0.041
Hiller	005	.82	25	0.000	0.000	0.000

Recycle Water Production and Use		SEPTEMBER 2024				
Location	Discharge Point	Nitrate/mg/l	total acres	acre-feet/mo	lbs	lbs/acre-month
Fischer Upper	004	3.9	36	1.614	139.361	3.871
Fischer Lower	003	3.9	45	0.081	8.750	0.194
Pialorsi	006	3.9	88	0.065	13.783	0.157
Hiller	005	3.9	25	0.000	0.000	0.000

Recycle Water Production and Use		OCTOBER 2024				
Location	Discharge Point	Nitrate/mg/l	total acres	acre-feet/mo	lbs	lbs/acre-month
Fischer Upper	004	4.3	36	1.972	187.683	5.213
Fischer Lower	003	4.3	45	0.000	0.000	0.000
Pialorsi	006	4.3	88	0.057	13.209	0.150
Hiller	005	4.3	25	0.000	0.000	0.000

Recycle Water Production and Use		November 2024				
Location	Discharge Point	Nitrate/mg/l	total acres	acre-feet/mo	lbs	lbs/acre-month
Fischer Upper	004	4.5	36	1.204	119.909	3.331
Fischer Lower	003	4.5	45	0.000	0.000	0.000
Pialorsi	006	4.5	88	0.026	6.215	0.071
Hiller	005	4.5	25	0.000	0.000	0.000

McKinleyville Community Services District – W.W.M.F.

Perk Pond and Reclamation Sites – Daily Observations

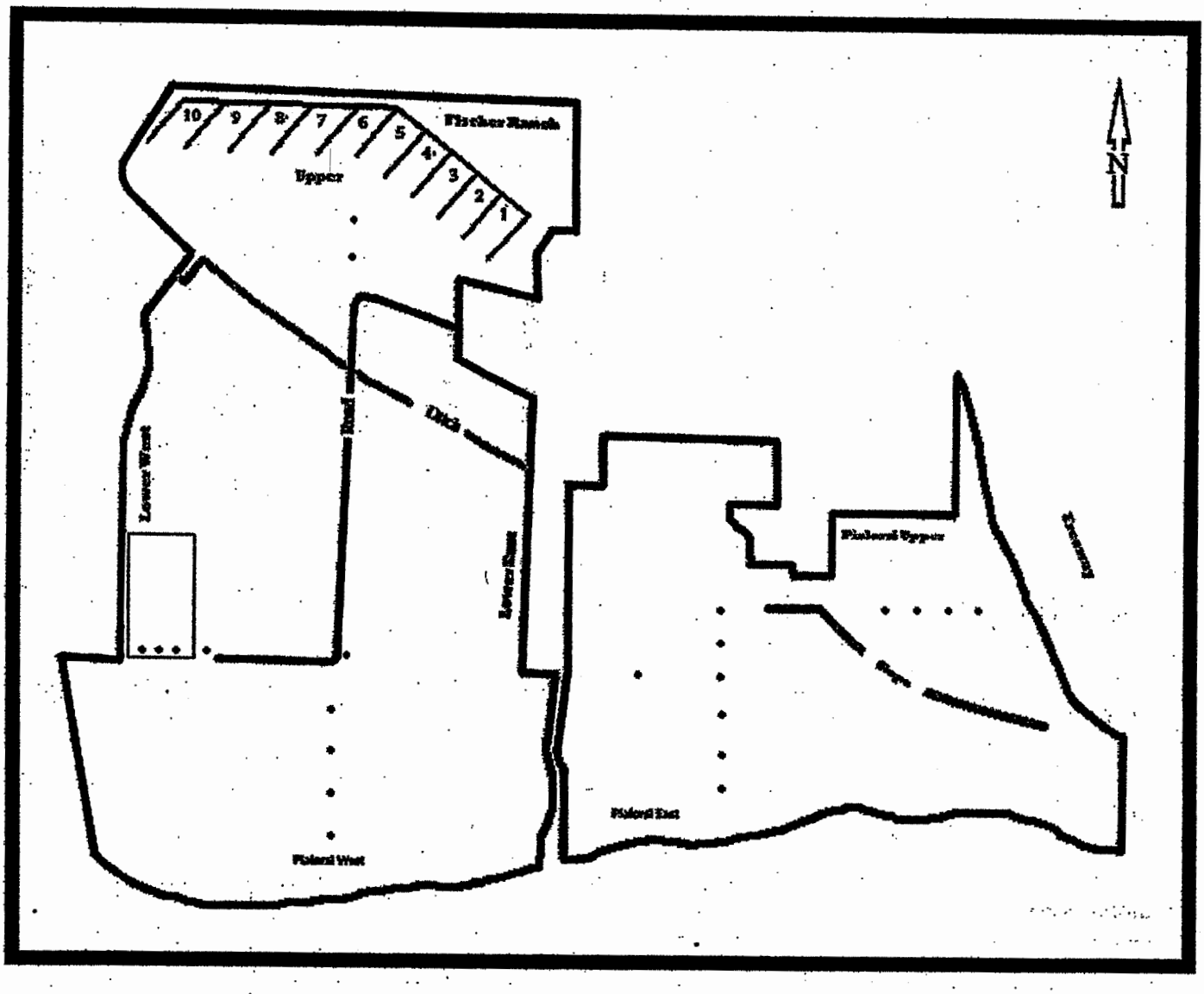
Date:	Time:	Inspected by:
Irrigation Observations:		Weather:
Remarks:		

Site	Location	Wind (dir. & speed)	Flow (gpm)	Overspray (y/n)	Ponding (y/n)	Run-off (y/n)	Complaints (y/n)	Compliance (y/n)	100' Set Back (y/n)
Flood Cells									
Upper Ranch									
Lower Ranch									
Tree Farm									
Pialorsi West									
Pialorsi Upper									
Pialorsi East									
Hiller Lanes									

McKinleyville Community Services District – W.W.M.F.

Irrigation Site Diagrams

Fischer Ranch and Pialorsi Ranch



Hiller Lanes

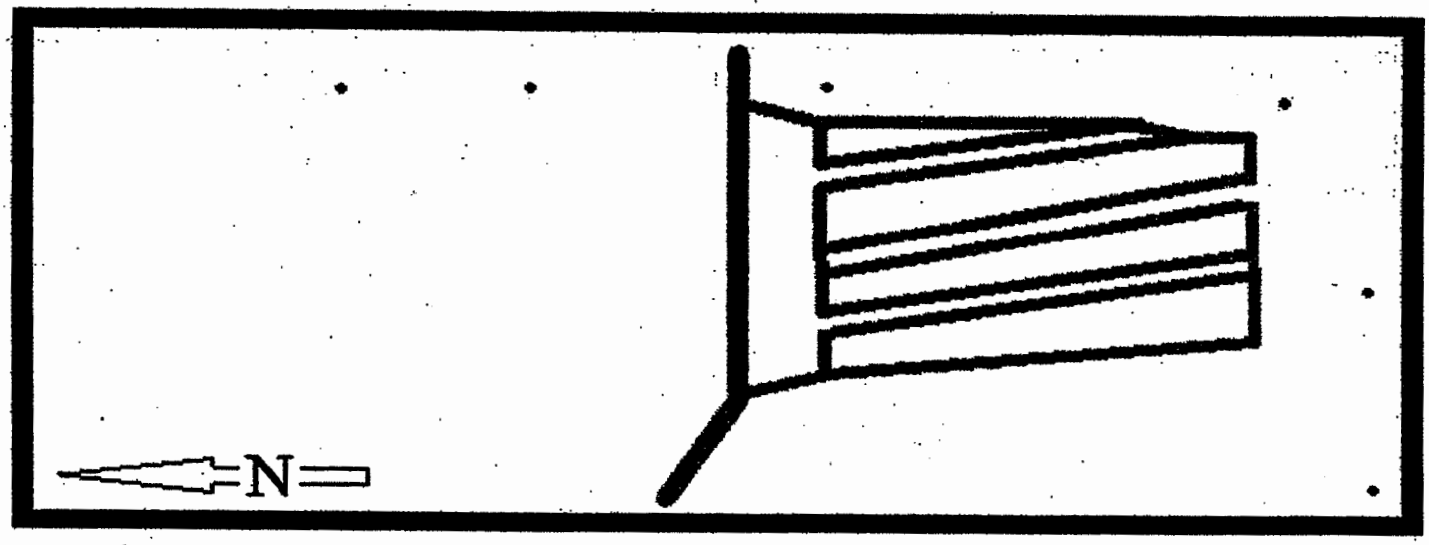


EXHIBIT N

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

January

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	56.7	OK	OK	OK	KS
2	4°	56.5	OK	OK	OK	CJ
3	4°	56.5	OK	OK	OK	CJ
4	4°	56.5	OK	OK	INSPECTED OK	CJ
5	4°	56.7	Ok	Ok	Ok	DS
6	4°	56.6	ok	ok	ok	BM
7	4°	56.7	ok	ok	ok	BM
8	4°	56.5	OK	OK	OK	CJ
9	3°	56.4	OK	OK	OK.	DS
10	4°	56.6	OK	CHANGED BUFFERS OK	OK	DS
11	4°	56.5	OK	OK	OK	BM
12	5°	56.5	OK	OK	OK	CJ
13	4°	56.5	OK	OK	OK	JJ
14	4°	56.7	OK	OK	OK	JJ
15	4°	56.7	OK	OK	OK	JJ
16	4°	56.5	OK	OK	OK	BM
17	4°	56.5	OK	OK	OK	JJ
18	4°	56.5	OK	OK	OK	BM
19	4°	56.5	OK	OK	OK	BM
20	4°	56.7	OK	OK	OK	SM
21	4°	56.7	OK	OK	OK	SM
22	4°	56.2	OK	OK	OK	JJ
23	4°	56.5	OK	OK	OK	JJ
24	4°	56.6	OK	OK	OK	JJ
25	4°	56.6	OK	Changed Buffers OK	Inspected OK	JJ
26	4°	57.4	OK	OK	OK	JJ
27	4°	57.4	OK	OK	OK	CJ
28	4°	57.1	OK	OK	OK	CJ
29	4°	57.4	OK	OK	OK	JJ
30	4°	57.3	OK	OK	OK	JJ
31	4°	57.2	OK	OK	OK	JJ

COND CAL DJ - 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

February

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	57.1	OK	OK	OK Cal'ed	JJ
2	4°	57.1	OK	OK	OK	JJ
3	4°	56.9	OK	OK	OK	DS
4	4°	57.0	OK	OK	OK	DS
5	4°	56.9	OK	OK	OK	KS
6	4°	56.7	OK	OK	OK	KS
7	4°	56.8	OK	OK	OK	KS
8	4°	57.3	OK	Changed PH Buffers	Topped off PH & KCl cleaned & strainer	KS
9	4°	57.1	OK	OK	OK	KS
10	4°	57.2	OK	OK	OK	KS
11	4°	57.1	OK	OK	OK	KS
12	4°	57.1	OK	OK	OK	KS
13	4°	57.2	OK	OK	OK	SM
14	4°	57.3	OK	OK	OK	SM
15	4°	57.3	OK	OK	OK	SM
16	4°	57.3	OK	OK	OK	SM
17	4°	57.3	OK	OK	OK	CJ
18	4°	56.8	OK	OK	OK	CJ
19	4°	56.8	OK	OK	OK	CJ
20	4°	56.7	OK	OK	OK	BM
21	4°	56.8	OK	OK	OK	BM
22	4°	56.6	OK	OK	OK	BM
23	4°	56.6	OK	OK	OK	BM
24	4°	56.6	OK	OK	OK	JJ
25	4°	56.9	OK	OK	OK	JJ
26	4°	56.9	OK	OK	OK	SM
27	4°	57.1	OK	OK	OK	SM
28	4°	56.5	OK	OK	OK	SM
29	4°	56.6	OK	OK	2pt cal w/ 0.0 mg/L & 4.8 mg/L	KS

COND CAL DS - 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

March

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	56.8	OK	OK	OK	SM
2	4°	56.7	OK	OK	OK	SM
3	4°	56.5	OK	OK	OK	SM
4	4°	56.5	OK	Changed OK PH Buffers	OK	DS
5	4°	57.1	OK	OK	OK	DS
6	4°	56.9	OK	OK	OK	DS
7	4°	56.9	OK	OK	OK - CAL/INSPECT	DS
8	4°	56.8	OK	OK	OK	SM
9	4°	56.8	OK	OK	OK	SM
10	4°	57.0	OK	OK	OK	SM
11	4°	57.6	OK	OK	OK	DS
12	4°	57.6	OK	OK	OK	CJ
13	4°	56.6	OK	OK	OK	CJ
14	4°	56.6	OK	OK	OK ?	CJ
15	4°	56.5	OK	OK	OK	CJ
16	4°	56.6	OK	OK	OK	SM
17	4°	56.5	OK	OK	OK	SM
18	4°	56.5	OK	OK	OFF OK	KS
19	4°	56.6	OK	OK	OFF OK	KS
20	4°	56.5	OK	OK	OFF OK	KS
21	4°	56.5	OK	OK	2pt Cal w/ 0.0 & 4.3 Temp 50	DS KS
22	4°	56.5	OK	OK	OK	KS
23	4°	56.5	OK	OK	OK	CJ
24	4°	56.4	OK	OK	OK	CJ
25	4°	56.4	OK	OK	OK	JJ
26	4°	56.6	OK	OK	OK	JJ
27	4°	56.4	OK	OK	OK	DS
28	4°	56.4	OK	OK	OK	JJ
29	4°	56.4	OK	OK	OK	JJ
30	4°	56.3	OK	OK	OK	DS
31	4°	56.1	OK	OK	OK	DS

CONDUCTIVITY CAL - OLD

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

April

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	56.2	Ok	Replaced Storage Sol.	OK	BM
2	4°	56.1	Ok	Ok	Ok	BM
3	4°	56.1	Ok	ok	ok	BM
4	4°	56.0	Ok	Ok	Ok	BM
5	4°	56.9	Ok	Replaced Buffers	Ok	BM
6	4°	56.8	Ok	Ok	Ok	KS
7	4°	56.7	Ok	Ok	Ok	KS
8	4°	56.8	Ok	ok	ok	SM
9	4°	57.0	ok	ok	ok	SM
10	4°	57.0	ok	ok	ok	SM
11	4°	56.9	ok	ok	ok	SM
12	4°	56.9	ok	ok	ok	SM
13	4°	56.8	ok	ok	ok	JJ
14	4°	56.6	ok	ok	ok	JJ
15	4°	56.6	Ok	ok	Ok	DS/CR
16	4°C	56.6	ok	ok	ok	DS/CR
17	4°C	56.4	ok	Changed Buffersolns	ok	CR/DS
18	4°C	56.9	ok	ok	Calibrated Analyzer	Ok CR/DS
19	4°C	56.8	ok	ok	ok	CR/CS
20	4°	56.8	Ok	Ok	Ok	BM
21	4°	56.9	Ok	Ok	Ok	BM
22	4°	56.8	Ok	ok	Ok	CR/DS
23	4°	56.7	Ok	ok	ok	CR
24	4°	56.8	Ok	Ok	Ok	CR/DS
25	4°	56.7	Ok	Turned Fridge Down	Ok	CR/DS
26	4°	56.7	Ok	Ok	Ok	CR/DS
27	4°	56.9	ok	ok	ok	SM
28	4°	56.8	ok	ok	ok	SM
29	4°	56.6	ok	Changed Buffersolns	Ok	CR
30	4°	56.6	ok	ok	ok	CR

CONDUCTIVITY CAL 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

May

Date	Fridge Temp	pH Meter Slope	DO Meter Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	56.7	Ok +++	Ok	Ok	CR
2	4°	56.6	ok	ok	CAL, INSPECT	DS
3	4°	56.4	OK	OK	OK	CJ
4	4°	56.3	OK	OK	OK	CJ
5	4°	56.2	OK	OK	OK	CJ
6	4°	56.2	Ok	Ok	Ok	BM
7	4.0°	56.2	Ok	Ok	Ok	CR
8	4°	56.2	Ok	Ok	Ok	CR
9	4°	56.2	Ok	Ok	Ok	CR
10	4°	56.1	Ok	Ok	Ok	CR
11	4°	56.0	Ok	Ok	Ok	CR
12	4°	56.0	Ok	Ok	Ok	CR
13	4.0	55.9	Ok	Ok	Ok	CR
14	4°	-56.6	Ok	Ok	Ok	CR
15	4°	56.7	Ok	Ok	Ok	CR
16	4°	56.6	Ok	Ok	—	CR
17	5°	56.4	Ok	Ok	ok · CAL/NEW KI	DS
18	4°	56.4	Ok	Ok	Ok	DS
19	4°	56.3	Ok	Ok	Ok	DS
20	4°	56.5	Ok	Ok	Ok	DS
21	4°	56.5	Ok	Ok	Ok	CR
22	4°	56.4	Ok	Ok	Ok	CR
23	4°	56.2	Ok	Ok	Ok	CR
24	4°	56.3	Ok	Ok	Ok	CR
25	4°	56.1	Ok	Ok	Ok	KS
26	4°	56.1	Ok	Ok	Ok	KS
27	4°	56.1	Ok	Ok	Ok	KS
28	4°	56.1	Ok	ok	Ok	CR
29	4°	56.1	Ok	ok	Ok	CR
30	4°	56.1	Ok	Ok Changed pH Buffers	CAL Ok	CR
31	4°	56.5	Ok	Ok	Ok	CR

CONDUCTIVITY CAL DS 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	4°	56.1	O/T	O/T	O/T	JJ
2	4°	56.4	O/T	O/T	O/T	JJ
3	4°	56.3	OK	OK	OK	SM
4	4°	56.2	Ok	Ok	ok	CR
5	4°	56.2	ok	ok	off till solar testing done	CR
6	4°	56.3	ok	ok	off till solar testing done	CR
7	4°	56.2	OK	OK	" "	SM
8	4°	56.2	OK	OK	" "	BK
9	4°	56.2	OK	OK	" "	BM
10	4°	56.0	OK	OK	RESTART	DS
11	4°	56.2	ok	ok	ok	CR
12.	4°	56.1	ok	ok	Not on	CR
13	4°	56.0	ok	ok	Turn on + Cal ok	CR
14	4°	56.0	ok	ok	ok	CR
15	4°	56.9	ok	ok	ok	SM
16	4°	56.8	ok	ok	ok	SM
17	4°	56.0	ok	ok	ok	CR
18	4°	55.8	ok	ok	ok	CR
19	4°	55.5	ok	ok	ok	CR
20	4°	55.7	ok	ok	ok	CR
21	4°	55.7	ok	ok	ok	CR
22	4°	55.4	OK	OK	OK	CJ
23	4°	55.6	OK	OK	OK	CJ
24	4°	55.5	ok	ok	ok	CR
25	4°	55.4	ok	ok	ok	CR
26	4°	55.9	ok	ok	ok	CR
27	4°	55.8	ok	ok	Cal / ok	CR
28	4°	55.8	ok	ok	ok	BK
29	4°	55.6	ok	ok	ok	CR
30	4°	55.7	ok	ok	ok	CR

CONDUCTIVITY CAL DS CR

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°	55.6	OK	OK	OK	CR
2	4°	55.6	OK	OK	OK	CR
3	4°	55.5	OK	Replaced Buffers & Storage Sol'n	OK	CR
4	4°	58.4	OK	OK	OK	CR
5	4°	58.1	OK	OK	OK	BK
6	4°	58.3	OK	OK	OK	DS
7	4°	58.0	OK	OK	OK	DS
8	4°	57.9	OK	OK	OK	SM
9	4°	58.1	OK	OK	OK	CR
10	4°	58.0	OK	OK	OK	CR
11	4°	58.1	OK	OK	OK	CR
12	4°	57.8	OK	OK	OK	CR
13	4°	57.6	OK	OK	OK	BK
14	5°	57.8	OK	OK * Adj Temp.	OK	KS
15	4°	57.7	OK	OK	OK	JM
16	4°	57.8	OK	OK	OK	CR
17	4°	57.7	OK	OK	OK	CR
18	4°	57.7	OK	OK	Cal OK	CR
19	4°	57.7	OK	OK	OK	CR
20	4°	57.6	OK	OK	OK	JJ
21	4°	57.5	OK	OK	OK	JJ
22	4°	57.5	OK	OK	OK Re Prime	CR
23	4°	57.6	OK	OK	OK	CR
24	4°	57.5		OK	OK	CR
25	5° Adj.	57.3	OK	OK	KI & PH OK	KS
26	4°	57.2	OK	OK	OK	DS
27	4°	57.5	OK	OK	OK	SM
28	4°	57.3	OK	OK	OK	SM
29	4°	57.3	OK	Changed Buffer	OK	CR
30	4°	58.2	OK	OK	OK	CR
31	4°	58.2	OK	OK	OK	CR

CONDUCTIVITY CAL DJ - OK

2024 McKinleyville Community Services District Wastewater Treatment Plant

Calibration Log

Refrigeration Temperature Monitoring

pH Meter YSI 4010 MultiLab-2W : Probe s/n- 2331WTW103740Y

DO Meter YSI 4010 MultiLab-2W : Probe s/n- 23H106583

Conductivity Meter- YSI 4010 MultiLab-2W : Probe s/n- 23431155

Siemens Micro 2000 Chlorine Analyzer

~~July~~ August

Date	Fridge Temp °	pH Slope	DO Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	58.1	ok	ok	ok Cal	CR
2	4°	58.2	ok	ok	ok	CR
3	4°	58.1	ok	ok	ok	BM
4	4°	58.0	ok	ok	ok	BM
5	4°	58.0	ok	ok	ok	CR
6	4°	57.9	ok	ok	ok	CR
7	4°	57.9	ok	ok	ok	CR
8	4°	57.9	ok	ok	INSPECT-OK	DS
9	4°	57.4	ok	ok	ok	DS
10	4°	57.4	ok	ok	ok	CJ
11	4°	57.5	ok	ok	ok	CJ
12	4°	57.5	ok	ok	ok	BM
13	4°	57.7	ok	Cleaned pH Probe	ok	CR
14	4°	57.5	ok	ok	ok	CR
15	4°	57.5	ok	ok	ok Cal + KI	CR
16	4°	57.5	ok	ok	ok Buffer	CR
17	4°	57.4	ok	ok	ok	CR
18	4°	57.3	ok	ok	ok	CR
19	4°	57.3	ok	ok	ok	CR
20	4°	-57.9	ok	Changed Buffers	ok	CR
21	4°	58.3	ok	ok	ok	CR
22	4°	58.2	ok	ok	ok	CR
23	4°	58.3	ok	ok	ok	CR
24	4°	58.0	ok	ok	ok	DS
25	4°	57.9	ok	ok	ok	DS
26	4°	57.9	ok	ok	ok	CR
27	4°	58.0	ok	ok	ok	CR
28	4°	58.0	ok	ok	ok	CR
29	4°	57.8	ok	ok	Caled w/3.6mg/L ok	JJ
30	4°	57.7	ok	ok	ok	JJ
31	4°	57.9	ok	ok	ok	JJ

Monthly Conductivity Probe Calibration: Date 8-1-24 Operator DS - OK

2024 McKinleyville Community Services District Wastewater Treatment Plant

Calibration Log

Refrigeration Temperature Monitoring

pH Meter YSI 4010 MultiLab-2W : Probe s/n- 2331WTW103740Y

DO Meter YSI 4010 MultiLab-2W : Probe s/n- 23H106583

Conductivity Meter- YSI 4010 MultiLab-2W : Probe s/n- 23431155

Siemens Micro 2000 Chlorine Analyzer

September

Date	Fridge Temp °	pH Slope	DO Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	57.7	OK	OK	OK	JJ
2	4°	57.7	OK	OK	OK	JJ
3	4°	57.7	OK	Cleaned pH Probe	OK	CR
4	4°	57.6	OK	OK	OK	CR
5	4°	57.6	OK	OK	OK	CR
6	4°	57.5	OK	OK	OK	CR
7	4°	57.4	OK	OK	OK	KS
8	4°	57.3	OK	OK	OK	KS
9	4°	57.4	OK	OK	OK	CR
10	4°	57.4	OK	Changed Buffer	OK	CR
11	4°	58.2	OK	OK	OK	CR
12	4°	58.1	OK	OK	OK Cal new KI	CR
13	4°	58.1	OK	OK	OK	CR
14	4°	58.1	OK	OK	OK	DM
15	4°	57.8	OK	OK	OK	DM
16	4°	57.9	OK	OK	OK	DM
17	4°	57.9	OK	OK	OK	DS
18	4°	58.0	OK	OK	OK	CR
19	4°	58.0	OK	OK	OK Inspect	CR
20	4°	57.8		OK	OK	CR
21	4°	57.9	OK	OK	OK	BM
22	4°	57.8	OK	OK	OK	DM
23	4°	57.8	OK	New pH Buffers	OK	CR
24	4°	58.1	OK	OK	OK	CR
25	4°	58.1	OK	OK	OK	CR
26	4°	58.0	OK	OK	OK Cal	CR
27	4°	57.8	OK	OK	OK	JJ
28	4°	57.8	OK	OK	OK	CJ
29	4°	57.6	OK	OK	OK	CJ
30	4°	58.0	OK	OK	OK	SM

Monthly Conductivity Probe Calibration: Date 9/3/24 Operator DS

2024 McKinleyville Community Services District Wastewater Treatment Plant

Calibration Log

Refrigeration Temperature Monitoring

pH Meter YSI 4010 MultiLab-2W : Probe s/n- 2331WTW103740Y

DO Meter YSI 4010 MultiLab-2W : Probe s/n- 23H106583

Conductivity Meter- YSI 4010 MultiLab-2W : Probe s/n- 23431155

Siemens Micro 2000 Chlorine Analyzer

October

Date	Fridge Temp °	pH Slope	DO Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	58.1	OK	ok	ok Reprime	CR
2	4°	57.9	ok	ok	ok	CR
3	4°	58.0	OK	ok	OK -Inspect	CR
4	4°	58.10	ok	OK	ok	CR
5	4°	58.10	OK	ok	ok	CR
6	4°	57.8	OK	OK	ok	CR
7	4°	57.8	ok	ok	ok	CR
8	4°	57.9	ok	ok	off	CR
9	4.°	57.8	ok	Changed Buffers	ok Reprime	CR
10	4°	58.1	OK	ok	Cal	CR
11	4°	58.0	ok	ok	ok	CR
12	4°	57.9	OK	OK	ok	BM
13	4°	58.0	ok	ok	ok	BM
14	4°	57.6	OK	OK	OK	BM
15	4°	57.8	ok	Cleaned pH Probe	ok	CR
16	4°	57.9	ok	ok	ok	CR
17	4°	57.8	ok	ok	ok	CR
18	4°	57.8	ok	ok	Inspect New CH3COOH	CR
19	4°	57.6	OK	OK	OK	KS
20	4°	57.5	OK	OK	OK	KS
21	4°	57.6	ok	ok	ok	CR
22	4°	57.7	ok	ok	ok	CR
23	4°	57.6	ok	ok	ok	CR
24	4°	57.5	ok	ok	Off for repair	CR
25	4°	57.2	OK	OK	OK	DS
26	4°	57.1	OK	OK	OK	DM
27	4°	57.4	OK	OK	OK	BM
28	4°	57.1	ok	New Buffers	ok	CR
29	4°	58.0	ok	ok	New KI	CR
30	4°	58.0	ok	ok	ok	CR
31	4°	58.0		ok	Inspect -ok	CR

Monthly Conductivity Probe Calibration: Date 10-1-24 Operator DS

2024 McKinleyville Community Services District Wastewater Treatment Plant

Calibration Log

Refrigeration Temperature Monitoring

pH Meter YSI 4010 MultiLab-2W : Probe s/n- 2331WTW103740Y

DO Meter YSI 4010 MultiLab-2W : Probe s/n- 23H106583

Conductivity Meter- YSI 4010 MultiLab-2W : Probe s/n- 23431155

Siemens Micro 2000 Chlorine Analyzer

November

Date	Fridge Temp °	pH Slope	DO Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	57.9	Ok	Ok	Ok	CR
2	4°	57.8	Ok	Ok	ok	BM
3	4°	57.6	Ok	Ok	OK	BM
4	4°	57.9	Ok	Ok	Reprime from storage	CR
5	4°	57.8	Ok	Ok	Ok	CR
6	4°	57.8	Ok	Ok	Ok	CR
7	4°	57.7	OK	Ok	Ok Cal	CR
8	4°	57.7	Ok	Ok	Ok	CR
9	4°	57.9	OK	OK	OK	SM
10	4°	57.7	OK	OK	OK	SM
11	4°	57.6	OK	OK	OK	SM
12	4°	57.5	OK	Clean Probe New Buffer + Storage Soln	Ok	CR
13	4°	57.9	OK	OK	Ok	CR
14	4°	51.6	OK	Ok	INSPECT - OK	DS
15	4°	57.7	OK	OK	OK	DS
16	4°	57.6	OK	OK	OK	CJ
17	4°	57.7	OK	OK	OK	CJ
18	4°	57.9	Ok	Ok	Ok	CR
19	4°	57.6	Ok	CR	Ok	CR
20	4°	57.6	Ok	Ok	Ok	CR
21	4°	57.5	Ok	Ok	Ok Cal	CR
22	4°	57.4	Ok	Ok	Ok	CR
23	4°	57.1	OK	OK	OK	DS
24	4°	57.0	OK	OK	OK	DS
25	4°	57.8	Ok	Ok	Ok	CR
26	4°	57.8	Ok	Ok	NEW KT Ok	CR
27	4°	57.7	Ok	Ok	Ok	CR
28	4°	57.4	OK	OK	OK	DS
29	4°	57.6	Ok	Ok	Ok	CR
30	4°	57.5	OK	Ok	Ok	CR

Monthly Conductivity Probe Calibration: Date 11/1 Operator DS

2024 McKinleyville Community Services District Wastewater Treatment Plant

Calibration Log

Refrigeration Temperature Monitoring

pH Meter YSI 4010 MultiLab-2W : Probe s/n- 2331WTW103740Y

DO Meter YSI 4010 MultiLab-2W : Probe s/n- 23H106583

Conductivity Meter- YSI 4010 MultiLab-2W : Probe s/n- 23431155

Siemens Micro 2000 Chlorine Analyzer

December

Date	Fridge Temp °	pH Slope	DO Cal	Remarks	Cl2 Analyzer(Cal Bi-weekly)	Operator
1	4°	57.6	ok	ok	ok	CR
2	4°	57.4	ok	ok	ok	CR
3	4°	57.4	ok	ok	ok	CR
4	4°	57.3	ok	ok	ok	CR
5	4°	56.9	ok	ok	O.F.F, Motor Broke on order	DM
6	4°	57.1	ok	ok	Back-line e 1100	CR
7	4°	56.9	OK	OK	OK	KS
8	4°	56.7	OK	OK	OK	KS
9	4°	57.1	ok	Changed Buffers + Storage Sol'n	ok	CR
10	4°	57.5	ok	ok	ok	CR
11	4°	57.5	ok	ok	ok	CR
12	4°	57.4	ok	ok	ok - Cal	CR
13	4°	57.3	ok	ok	ok	CR
14	4°	57.3	ok	ok	ok	JJ
15	4°	57.1	ok	ok	ok	JJ
16	4°	57.2	ok	ok	ok	CR
17	4°	57.1	ok	ok	ok	CR
18	4°	57.1	ok	ok	ok	CR
19	4°	57.1	ok	Changed Buffers + Storage Sol'n	Inspect	CR
20	4°	59.0	ok	ok	ok	CR
21	4°	58.7	ok	ok	ok	DM
22	4°	58.7	ok	ok	ok	DM
23	4°	58.8			ok	CR
24	4°	58.6	ok	ok	ok	DM
25	4°	58.8	ok	ok	ok	DM
26	4°	58.6	ok	ok	Cal / new KI + Acetic	CR
27	4°	58.6	ok	ok	ok	CR
28	4°	58.8	ok	ok	ok	DM
29	4°	58.6	ok	ok	ok	DM
30	4°	58.6	ok	ok	ok	CR
31	4°	58.3		ok	ok	CR

Monthly Conductivity Probe Calibration: Date 12/2 Operator DS

EXHIBIT O

2024 Industrial Discharge Activities

Summary of Compliance

In order to ensure compliance with our NPDES requirement to survey all Industrial Users, the District performed a survey of all non-residential users in 2019. During the District-wide on-site survey process, staff interviewed representatives of each facility concerning their use of the sanitary sewer system. Staff checked for floor drains and other potential sources of accidental discharge to the collection system, as well as chemical use and storage. Industrial users were inspected for processes or procedures that may potentially have an impact on the collection / treatment system and considered for Industrial Discharge Permits. Additionally, any user operating as a food service or other potential fat, oils and grease (FOG) generator was inspected for processes or procedures that could impact the District's collection / treatment system.

MCSD has instituted a requirement that all non-residential customers that sign up for service, whether a new customer or a change of ownership / responsible person, fill out a survey describing discharge quantity, type, and any processes and/or chemicals used in their enterprise. These surveys are reviewed and based upon information provided, inspections of the facilities are conducted.

All industrial users that were determined to require a permit were evaluated for potential for significant impact on the system. These permitted sites were inspected for compliance with individual permits.

Public outreach concerning proper sewer use was achieved through the District's survey for our non-residential user survey as well as an article that was published in the quarterly newsletter and on our website. Public outreach continues throughout the year using the District's Facebook page to post information to the customers.

General Prohibitions and Standards

Below are excerpts from our Rules and Regs. Currently this is the Districts Local Limits until review of the 2020 Local Limits is completed by the State Water Board. Once review is completed, the District will adopt new Local Limits.

Rule 24.09.01 (pg 66-67) spells out our current Local Limits

Rule 24.09.01. - the General Manager is authorized to establish Local Limits pursuant to 40 CFR 403.5(c). The following pollutant limits are established to protect against Pass Through and Interference. No person shall discharge wastewater containing in excess of the following concentrations:

POLLUTANT	DAILY MAXIMUM LIMIT (mg/L)
Copper	0.1300
Lead	0.0055
Molybdenum	0.0047
Nickel	0.0052
Zinc	0.135
bis(2-ethylhexyl) phthalate	0.0235
Oil and Grease (petroleum and vegetable)	100
BOD	354

(a) The above limits apply at the point where the wastewater is discharged to the POTW and apply to instantaneous maximum concentrations. All concentrations for metallic substances are for total metal unless indicated otherwise. The General Manager may impose mass limitations in addition to the concentration-based limitations above.

(b) **Analytical Requirements.** All pollutant analyses, including sampling techniques, to be submitted as part of a wastewater discharge permit application or report shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto, unless otherwise specified in an applicable categorical Pretreatment Standard. If 40 CFR Part 136 does not contain sampling or analytical techniques for the pollutant in question, or where the EPA determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed by using validated analytical methods or any other applicable sampling and analytical procedures, including procedures suggested by the General Manager or other parties approved by EPA.

(c) **BMPs.** The General Manager may develop Best Management Practices (BMPs), by ordinance or in individual wastewater discharge permits, or general permits, to implement Local Limits and the requirements of Rule 24.

(d) **Right of Revision.** The MCSD reserves the right to establish, by ordinance or in individual wastewater discharge permits or in general permits, more stringent Standards or Requirements on discharges to the POTW consistent with the purpose of this ordinance.

(e) **Dilution.** No User shall ever increase the use of process water, or in any way attempt to dilute a discharge, as a partial or complete substitute for adequate treatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or Requirement. The General Manager may impose mass limitations on Users who are using dilution to meet applicable Pretreatment Standards or Requirements or in other cases when the imposition of mass limitations is appropriate.

Rule 24.01 (pg 63-64) contains a list of prohibitions

Rule 24.01. PROHIBITIONS ON DISCHARGES - no User shall introduce or cause to be introduced into the POTW any pollutant or wastewater which causes Pass Through or Interference. This general prohibition applies to all Users of the POTW whether or not they are subject to categorical Pretreatment Standards or any other National, State, or local Pretreatment Standards or Requirements.

No person shall introduce or cause to be introduced into the POTW the following pollutants, substances, or wastewater containing:

(a) pollutants which cause a fire or explosion hazard in the POTW, including, but not limited to, waste streams with a closed-cup flashpoint of less than 140 degrees F (60 degrees C) using the test methods specified in 40 CFR 261.21;

(b) solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in Interference or injury to the treatment works;

(c) pollutants which cause a danger to life or safety of personnel;

(d) pollutants which cause a strong offensive odor or prevention of the effective maintenance or operation of the treatment works;

(e) pollutants which cause air pollution by the release of toxic or malodorous gases or malodorous gas-producing substances;

(f) Pollutants, including oxygen-demanding pollutants (BOD, etc.), released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, will cause Interference with the POTW;

(g) pollutants which cause a the District's effluent or any other product of the treatment process, residues, sludges, or scums, to be unsuitable for reclamation and reuse or to interfere with the reclamation or treatment process;

(h) pollutants which cause a detrimental environmental impact or a nuisance in the Waters of the State or a condition unacceptable to any public agency having regulatory jurisdiction over the District;

(i) any wastewater which imparts color which cannot be removed by the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions, which consequently imparts color to the treatment plant's effluent thereby violating the MCDS's NPDES permit;

(j) pollutants which cause conditions at or near the District's POTW which violate any statute or any rule, regulation, or ordinance of any public agency or State or Federal regulatory body;
(k) pollutants which cause the District's POTW to be overloaded or cause excessive collection or treatment costs, or may use a disproportionate share of the facilities;
(l) pollutants which cause a pass through of any pollutant;
(m) wastewater having a pH less than 6.5 or more than 8.5, or otherwise causing corrosive structural damage to the POTW or equipment;
(n) wastewater having a temperature greater than 140 degrees F (65 degrees C), or which will inhibit biological activity in the treatment plant resulting in Interference, but in no case wastewater which causes the temperature at the introduction into the treatment plant to exceed 104 degrees F (40 degrees C);
(o) more than 100 mg/l of oil or grease of animal or vegetable origin;
(p) more than 25 mg/L Total Petroleum Hydrocarbons (TPH) as diesel, motor oil, hydraulic oil or gasoline;
(q) petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;
(r) identifiable chlorinated hydrocarbons;
(s) trucked or hauled pollutants, except at discharge points designated by the General Manager in accordance with Rule 24.15 of this ordinance;
(t) substances which, if otherwise disposed of, would be a hazardous waste under 40 CFR Part 261;
(u) medical Wastes, except as specifically authorized by the General Manager in an individual wastewater discharge permit, or a general permit.
(v) any detectable concentration of 4, 4-DDT.

Industrial User	Address	Sig User?	Avg (GPM)	Peak (GPM)	SIC	Pretreatment	Permit?
BMW of Humboldt County	1795 Central Ave.	No	2.5	17 (hose)	5511	Oil/Water Separator for car wash station	Yes
Central Dental Care	1955 Central Ave.	No	1.5	1.5	8021	Wet Vac Filtration for dental operations	Yes
Dr. Johansson, DDS	1661 Pickett Road	No	0 (dry vac)	0	8021	Dry Vac Filtration for dental operation	Yes
Dr. Mellon, DDS	1737 Central Ave.	No	0 (dry vac)	0	8021	Dry Vac Filtration for dental operation	Yes
Humboldt Petroleum - Shell	1606 Central Ave.	No	0 (recycle)	7 (final rinse)	7542	Filtration / Reuse of carwash water with final fresh rinse	Yes
Humboldt Regeneration	2320 Central Ave.	No	5	5	2082	Metering of brewery discharge water - pH balancing as needed	Yes
Humboldt Sanitation	2585 Central Ave.	No	5	5	4953	Oil Water Separator for truck wash station	Yes
Les Schwab Tires	2210 Central Ave.	No	17	17	5531	Oil Water Separator for tire wash rack	Yes
Mickey's Quality Cars	1901 Central Ave.	No	2.5	17 (hose)	5511	Oil/Water Separator for car wash station	Yes
McKinleyville Union School District	2275 Central Ave.	No	2.5	17 (hose)	4151	Filtration system for bus wash station	Yes
Six Rivers Brewery	1300 Central Ave.	Yes	50	50	2082	Metering of brewery discharge water into system	Yes
Steve's Septic Service	1810 Murray Road	Yes	30	70	171107	Polymerized filtration of pumped sewage	Yes
The Auto Spa	1642 Holly Drive	Yes	5	22	7542	Oil/Water Separators for car wash stations	Yes
US Coast Guard - Aviation	1001 Lycoming Ave.	No	15	15	9229	Filtration system for helicopter wash station	Yes
Average flow rate shows the common rate while operations are ongoing							
Peak flow rate shows uncommon flow that may occur intermitently.							