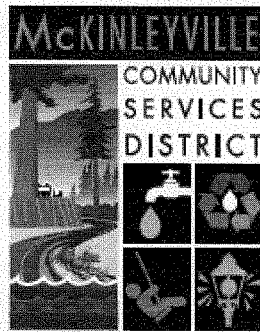


PHYSICAL ADDRESS:

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McKINLEYVILLE, CA 95519

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

September 19, 2016

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for August 2016 for McKinleyville Community Services District Wastewater Management Facilities WDID NO. 1B82084OHUM, operating under Order Number WQ 2011-0008-DWQ.

The normal discharge of effluent was 30 days to Discharge Points 002, 003, 004, 005 and 006. The required monitoring and water quality constituents that were tested and reported were in compliance in August.

The requirement for BOD is 45 mg/L monthly average, and 65% removal for the weekly average with four weekly tests in August that represent five criteria. The BOD results for August are in compliance.

The requirement for TSS is 83 mg/L, for the monthly average with four weekly tests in August which represent one criteria. The TSS results for August are in compliance.

The requirement for Nitrate as Nitrogen in the effluent is a monthly average of 10 mg/L. One test was conducted in August and was in compliance.

Total Coliform Organisms MPN/100 ml. The Monthly Median not to exceed MPN of 23 and the daily maximum not to exceed MPN of 230. The reported results for the month of August are as follows. Median was <1.8 and a Maximum of <1.8. Five samples were collected in the month of August and were in compliance.

Monthly River Monitoring was conducted in August.

WWMF Upgrade Status: The Clarifier concrete is completed and will be ready for testing by the end of September. The headworks and maintenance building are started and will be built at the same time. The aeration basins are 90% completed and lining is scheduled for the end of September. The lining for the biosolids basin will be completed by the end of September. Weekly meeting have been conducted with District staff, contractors, engineers and the project manager. Contractors have 521 days to complete the project. They have projected to be completed by February 2017.

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL

AUGUST 2016

| Discharge Monitoring | M-INF | M-001 | | 002 M-003 | 002 M-003 | 004 M-005 | 003 M-004 | 006 M-007 | 005 M-006 | | 001 M-002 |
|----------------------------|-----------------|-----------------|----------------|---------------|---------------|-------------------------|-------------------------|-----------------|---------------|-------------------------|--------------|
| DATE | INFLUENT MGD | EFFLUENT MGD | MAXIMUM GPM | N.POND MGD | S.POND MGD | FISCHER MGD UPPER | FISCHER MGD LOWER | PIALORSI MGD | HILLER MGD | IRRGATE TOTAL MGD | RIVER MGD |
| | | | | | | | | | | | |
| 1 | 0.761 | 0.875 | 1096 | | | 0.711 | 0.130 | 0.034 | | 0.875 | 0.000 |
| 2 | 0.770 | 1.077 | 988 | | | 0.696 | 0.275 | 0.037 | 0.069 | 1.077 | 0.000 |
| 3 | 0.758 | 1.242 | 1087 | | | 0.881 | 0.146 | 0.120 | 0.095 | 1.242 | 0.000 |
| 4 | 0.749 | 1.376 | 1179 | | | 0.946 | 0.130 | 0.300 | | 1.376 | 0.000 |
| 5 | 0.755 | 1.209 | 1187 | 0.372 | | 0.534 | 0.138 | 0.165 | | 0.837 | 0.000 |
| 6 | 0.745 | 0.671 | 477 | 0.671 | | | | | | 0.000 | 0.000 |
| 7 | 0.796 | 0.669 | 476 | 0.669 | | | | | | 0.000 | 0.000 |
| 8 | 0.777 | 0.995 | 1212 | 0.243 | | 0.450 | 0.129 | 0.173 | | 0.752 | 0.000 |
| 9 | 0.763 | 1.332 | 1219 | | | 0.832 | 0.324 | 0.176 | | 1.332 | 0.000 |
| 10 | 0.775 | 1.125 | 1098 | | | 0.935 | 0.190 | | | 1.125 | 0.000 |
| 11 | 0.756 | 1.104 | 1078 | | | 0.926 | 0.178 | | | 1.104 | 0.000 |
| 12 | 0.746 | 1.093 | 1082 | 0.391 | | 0.530 | 0.142 | 0.030 | | 0.702 | 0.000 |
| 13 | 0.749 | 0.736 | 521 | 0.736 | | | | | | 0.000 | 0.000 |
| 14 | 0.800 | 0.741 | 527 | 0.741 | | | | | | 0.000 | 0.000 |
| 15 | 0.792 | 0.378 | 897 | 0.277 | | 0.101 | | . | | 0.101 | 0.000 |
| 16 | 0.765 | 0.000 | 0 | Washed CCB | | | | | | 0.000 | 0.000 |
| 17 | 0.755 | 0.623 | 1282 | | | 0.567 | | 0.056 | | 0.623 | 0.000 |
| 18 | 0.754 | 1.052 | 1099 | | | 1.021 | 0.031 | | | 1.052 | 0.000 |
| 19 | 0.760 | 1.010 | 869 | 0.539 | | 0.440 | | 0.031 | | 0.471 | 0.000 |
| 20 | 0.762 | 0.939 | 665 | 0.939 | | | | | | 0.000 | 0.000 |
| 21 | 0.817 | 0.958 | 677 | 0.958 | | | | | | 0.000 | 0.000 |
| 22 | 0.794 | 0.931 | 1081 | 0.355 | | 0.415 | 0.048 | 0.113 | | 0.576 | 0.000 |
| 23 | 0.767 | 1.078 | 1086 | | | 0.930 | | 0.148 | | 1.078 | 0.000 |
| 24 | 0.778 | 0.911 | 862 | | | 0.818 | 0.046 | 0.047 | | 0.911 | 0.000 |
| 25 | 0.766 | 0.758 | 883 | | | 0.691 | 0.032 | 0.035 | | 0.758 | 0.000 |
| 26 | 0.774 | 0.829 | 890 | 0.264 | | 0.525 | | 0.040 | | 0.565 | 0.000 |
| 27 | 0.778 | 0.500 | 353 | 0.500 | | | | | | 0.000 | 0.000 |
| 28 | 0.871 | 0.497 | 353 | 0.497 | | | | | | 0.000 | 0.000 |
| 29 | 0.792 | 0.624 | 807 | 0.175 | | 0.401 | | 0.048 | | 0.449 | 0.000 |
| 30 | 0.784 | 0.798 | 812 | | | 0.718 | 0.033 | 0.047 | | 0.798 | 0.000 |
| 31 | 0.774 | 0.757 | 754 | | | 0.677 | 0.035 | 0.045 | | 0.757 | 0.000 |
| | | | | | | | | | | | |
| TOTAL | 23.983 | 26.888 | | 8.327 | 0.000 | 14.745 | 2.007 | 1.645 | 0.164 | 18.561 | 0.000 |
| AVERAGE | 0.774 | 0.867 | 858 | 0.000 | 0.000 | 0.670 | 0.125 | 0.087 | 0.000 | 0.599 | 0.000 |
| MAXIMUM | 0.871 | 1.376 | 1282 | 0.958 | 0.000 | 1.021 | 0.324 | 0.300 | 0.095 | 1.376 | 0.000 |
| MINIMUM | 0.745 | 0.000 | 0 | 0.175 | 0.000 | 0.101 | 0.031 | 0.000 | 0.069 | 0.000 | 0.000 |
| DAYS | 31 | 30 | | 16 | 0 | 22 | 16 | 18 | 2 | 22 | 0 |
| DAYS WITH NO DISCHARGE = 1 | | | | | | | | | | | |

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

YEAR: 2016

MONTH: AUGUST

| DATE | INFLUENT FLOW | | EFFLUENT FLOW | | RIVER CFS | INFLUENT MONITORING | | EFFLUENT MONITORING | | RIVER CL ₂ RES | SETTLABLE SOLIDS | 3X5 TOTAL COLIFORM |
|------|---------------|--------|---------------|-----|-----------|---------------------|-------------|---------------------|---------|---------------------------|------------------|--------------------|
| | M.G.D. | M.G.D. | M.G.D. | GPM | | B.O.D. mg/L | N.F.R. mg/L | B.O.D. mg/L | AMMONIA | | | |
| 1 | 0.761 | 0.875 | 1096 | | | | | | 28 | 4.9 | | <1.8 |
| 2 | 0.770 | 1.077 | 988 | | | | | | 30 | 2.4 | | |
| 3 | 0.758 | 1.242 | 1087 | | | | | | 30 | 2.7 | | |
| 4 | 0.749 | 1.376 | 1179 | | | | | | 34 | 2.4 | | |
| 5 | 0.755 | 1.209 | 1187 | | | | 38 | 29 | 30 | 2.9 | <0.1 | |
| 6 | 0.745 | 0.671 | 477 | | | | | | | | | |
| 7 | 0.796 | 0.669 | 476 | | | | | | | | | |
| 8 | 0.777 | 0.995 | 1212 | | | | | | 28 | 4.1 | | <1.8 |
| 9 | 0.763 | 1.332 | 1219 | | | | | | 32 | 1.4 | | |
| 10 | 0.775 | 1.125 | 1098 | | | | | | 26 | 2.5 | | |
| 11 | 0.756 | 1.104 | 1078 | | | | | | 26 | 2.8 | | |
| 12 | 0.746 | 1.093 | 1082 | | | | 14 | 22 | 28 | 2.7 | <0.1 | |
| 13 | 0.749 | 0.736 | 521 | | | | | | | | | |
| 14 | 0.800 | 0.741 | 527 | | | | | | | | | |
| 15 | 0.792 | 0.378 | 897 | | | | | | 28 | 3.3 | | <1.8 |
| 16 | 0.765 | 0.000 | 0 | | | | | | | | | |
| 17 | 0.755 | 0.623 | 1282 | | | | | | 26 | 5.7 | | |
| 18 | 0.754 | 1.052 | 1099 | | | | | | 26 | 0.4 | | |
| 19 | 0.760 | 1.010 | 869 | | | | 39 | 25 | 28 | 4.9 | <0.1 | |
| 20 | 0.762 | 0.939 | 665 | | | | | | | | | |
| 21 | 0.817 | 0.958 | 677 | | | | | | 28 | 5.5 | | <1.8 |
| 22 | 0.794 | 0.931 | 1081 | | | | | | 28 | 3.0 | | |
| 23 | 0.767 | 1.078 | 1086 | | | | | | 26 | 3.6 | | |
| 24 | 0.778 | 0.911 | 862 | | | | | | 30 | 3.0 | | |
| 25 | 0.766 | 0.758 | 883 | | | | | | | | | |
| 26 | 0.774 | 0.829 | 890 | | | | 39 | 23 | 28 | 2.1 | <0.1 | |
| 27 | 0.778 | 0.500 | 353 | | | | | | | | | |
| 28 | 0.871 | 0.497 | 353 | | | | | | | | | |
| 29 | 0.792 | 0.624 | 807 | | | | | | 26 | 3.5 | | <1.8 |
| 30 | 0.784 | 0.798 | 812 | | | | | | 28 | 2.4 | | |
| 31 | 0.774 | 0.757 | 754 | | | | | | 28 | 3.2 | | |

SPILLS:

None to report

| DATE | MONTHLY TESTS | | | |
|-----------|---------------|---------|---------|-------|
| | TDS | AMMONIA | NITRATE | BORON |
| 8/31/2016 | 310 | 34.0 | 0.1 | 280 |

| Semi-Annual Tests | | Value in ug/l |
|----------------------|--|---------------|
| Bis phthalate | | N/A |
| alpha-BHC | | N/A |
| 4,4'-DDT | | N/A |
| carbon tetrachloride | | N/A |

| Quarterly Tests | | Value in ug/l |
|----------------------|--|---------------|
| Dichlorobromomethane | | N/A |
| Bromform | | N/A |
| Chlorodibromomethane | | N/A |
| Chloroform | | N/A |

30 DAY AVERAGE

| BOD mg/L | BOD LBS/DAY | BOD % Removal | NFR mg/L | NFR LBS/DAY | NFR % Removal |
|----------|-------------|---------------|----------|-------------|---------------|
| 25 | 235 | 92 | 30 | 280 | 91 |

ACUTE TOXICITY

| DATE | % Survival |
|------|------------|
| | N/A |
| | N/A |
| | N/A |

Rainbow Trout
C. dubia

CHRONIC TOXICITY

| TESTED | SURVIVAL |
|----------|----------|
| Minnow | N/A |
| C. Dubia | N/A |
| Algae | N/A |
| | TUC |

Total Coliform

Monthly

MEDIAN

<1.8

Daily

Maximum

<1.8

REMARKS:

SIGNATURE:

Indicates Permit Exceedance