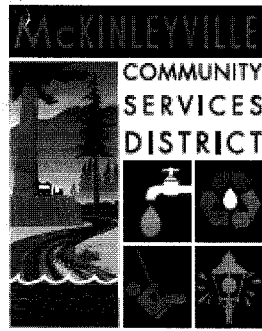


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R.W.Q.C.B. NORTH COAST REGION
5550 SKYLANE BLVD., SUITE A
SANTA ROSA, CA 95403

August 14, 2020

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for July 2020 for McKinleyville Community Services District Wastewater Management Facilities WDID NO. 1B82084OHUM, operating under Order Number R1-2018-0032.

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

| Effluent Limitations Parameters | Units | Average Monthly | Average Weekly | Avg. % Removal | Max Daily | Instant Max | Instant Min | Results |
|---|-------|-----------------|----------------|----------------|-----------|-------------|-------------|------------|
| Monitoring Location EFF- 001 | | | | | | | | |
| BOD | mg/L | 30 | 45 | >85 | | | | Compliance |
| TSS | Mg/L | 30 | 45 | >85 | | | | Compliance |
| PH | s.u. | | | | | 6.5 | 8.5 | Compliance |
| Settleable Solids | ml/L | 0.1 | | | 0.2 | | | Compliance |
| Chlorine Total Residual | mg/L | 0.1 | | | 0.2 | | | Compliance |
| Carbon Tetrachloride | ug/L | .25 | | | .75 | | | N/A |
| Ammonia Impact Ratio | mg/L | 1.0 | | | 1.0 | | | N/A |
| Dichlorobromomethane | ug/L | .56 | | | 1.4 | | | N/A |
| Monitoring Location LND-001, REC-001 | | | | | | | | |
| Nitrate | | 10 | | | | | | Compliance |
| PH | | 6.0- 9.0 | 6.0 – 9.0 | | | | | Compliance |

Total Coliform Organisms MPN/100 ml. The Monthly Median not to exceed MPN of 23 and the daily maximum not to exceed MPN of 240. The reported results for the month of July are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of July and was in compliance.

Monthly River Monitoring was conducted in July.

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

JULY 2020

| Discharge Monitoring | 002 | 002 | 004 | 003 | 006 | 005 | 001 | | | | |
|-------------------------|-----------------|-----------------|----------------|---------------|---------------|-------------------------|-------------------------|-----------------|---------------|--------------|--------------|
| INF-001 | EFF-001 | LND-001 | LND-001 | REC-001 | REC-001 | REC-001 | REC-001 | IRR | GATE | RIVER | |
| DATE | INFLUENT MGD | EFFLUENT MGD | MAXIMUM GPM | N.POND MGD | S.POND MGD | FISCHER MGD UPPER | FISCHER MGD LOWER | PIALORSI MGD | HILLER MGD | TOTAL MGD | RIVER MGD |
| 1 | 0.846 | 0.851 | 1097 | | | 0.649 | | | 0.202 | 0.851 | 0.000 |
| 2 | 0.852 | 0.885 | 1362 | 0.429 | | 0.364 | | | 0.092 | 0.456 | 0.000 |
| 3 | 0.844 | 0.792 | 840 | 0.792 | | | | | | 0.000 | 0.000 |
| 4 | 0.822 | 0.786 | 879 | 0.786 | | | | | | 0.000 | 0.000 |
| 5 | 0.882 | 0.786 | 826 | 0.786 | | | | | | 0.000 | 0.000 |
| 6 | 0.886 | 0.916 | 967 | 0.297 | | 0.543 | | | 0.076 | 0.619 | 0.000 |
| 7 | 0.863 | 1.049 | 1141 | | | 0.876 | | | 0.173 | 1.049 | 0.000 |
| 8 | 0.851 | 1.068 | 843 | | | 0.884 | | | 0.184 | 1.068 | 0.000 |
| 9 | 0.850 | 1.069 | 1080 | | | 0.876 | | | 0.193 | 1.069 | 0.000 |
| 10 | 0.845 | 0.813 | 1118 | 0.360 | | 0.374 | | | 0.079 | 0.453 | 0.000 |
| 11 | 0.850 | 0.629 | 666 | 0.629 | | | | | | 0.000 | 0.000 |
| 12 | 0.888 | 0.627 | 725 | 0.627 | | | | | | 0.000 | 0.000 |
| 13 | 0.863 | 0.837 | 874 | 0.500 | | 0.229 | | | 0.108 | 0.337 | 0.000 |
| 14 | 0.843 | 0.944 | 991 | | | 0.772 | | | 0.172 | 0.944 | 0.000 |
| 15 | 0.858 | 0.949 | 1016 | | | 0.774 | | | 0.175 | 0.949 | 0.000 |
| 16 | 0.853 | 0.895 | 1102 | | | 0.714 | | | 0.181 | 0.895 | 0.000 |
| 17 | 0.851 | 0.800 | 991 | 0.441 | | 0.276 | | | 0.083 | 0.359 | 0.000 |
| 18 | 0.856 | 0.756 | 814 | 0.756 | | | | | | 0.000 | 0.000 |
| 19 | 0.894 | 0.750 | 873 | 0.750 | | | | | | 0.000 | 0.000 |
| 20 | 0.857 | 0.863 | 885 | 0.305 | | 0.460 | | | 0.098 | 0.558 | 0.000 |
| 21 | 0.839 | 1.085 | 1124 | | | 0.521 | 0.384 | | 0.180 | 1.085 | 0.000 |
| 22 | 0.839 | 0.877 | 1106 | | | 0.525 | 0.151 | | 0.201 | 0.877 | 0.000 |
| 23 | 0.828 | 0.781 | 947 | | | 0.614 | 0.167 | | | 0.781 | 0.000 |
| 24 | 0.822 | 0.710 | 942 | 0.491 | | 0.156 | 0.063 | | | 0.219 | 0.000 |
| 25 | 0.833 | 0.777 | 976 | 0.777 | | | | | | 0.000 | 0.000 |
| 26 | 0.874 | 0.775 | 1050 | 0.775 | | | | | | 0.000 | 0.000 |
| 27 | 0.853 | 0.845 | 958 | 0.366 | | 0.479 | | | | 0.479 | 0.000 |
| 28 | 0.835 | 0.899 | 1252 | | | 0.727 | 0.172 | | | 0.899 | 0.000 |
| 29 | 0.843 | 0.822 | 1080 | | | 0.651 | 0.171 | | | 0.822 | 0.000 |
| 30 | 0.828 | 0.817 | 963 | | | 0.639 | 0.178 | | | 0.817 | 0.000 |
| 31 | 0.830 | 0.601 | 992 | 0.281 | | 0.271 | 0.049 | | | 0.320 | 0.000 |
| TOTAL | 26.378 | 26.054 | | 10.148 | 0.000 | 12.374 | 1.335 | 0.000 | 2.197 | 15.906 | 0.000 |
| AVERAGE | 0.851 | 0.840 | 983 | 0.000 | 0.000 | 0.562 | 0.167 | 0.000 | 0.000 | 0.513 | 0.000 |
| MAXIMUM | 0.894 | 1.085 | 1362 | 0.792 | 0.000 | 0.884 | 0.384 | 0.000 | 0.202 | 1.085 | 0.000 |
| MINIMUM | 0.822 | 0.601 | 666 | 0.281 | 0.000 | 0.156 | 0.049 | 0.000 | 0.076 | 0.000 | 0.000 |
| DAYS | 31 | 31 | | 18 | 0 | 22 | 8 | 0 | 15 | 23 | 0 |

DAYS WITH NO DISCHARGE = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY MONITORING DATA

MONTH: July 2020

| DATE | INFLUENT FLOW | | EFFLUENT FLOW | | EFFLUENT MAXIMUM | | RIVER GFS | RIVER DILUTION | INFLUENT MONITORING | | | EFFLUENT MONITORING | | | RIVER MONITORING | | | SETTLABLE SOLIDS | | | RSW-001 | | | RSW-002 | | | |
|------|---------------|--------|---------------|--------|------------------|-----|-----------|----------------|---------------------|------|-----|---------------------|-----|-----|------------------|--------|--------|------------------|--------|--------|---------|--------|--------|---------|--------|--------|--------|
| | M.G.D. | M.G.D. | M.G.D. | M.G.D. | GMH | GMH | | | BOD | TSS | PH | TEMP | BOD | TSS | CL RES | CL RES | CL RES | CL RES | CL RES | CL RES | CL RES | CL RES | CL RES | CL RES | CL RES | CL RES | CL RES |
| 1 | 0.846 | 0.851 | 1097 | N/A | N/A | N/A | N/A | N/A | 6.9 | 19.4 | 6.2 | 1.2 | 1.8 | N/A | N/A | <0.1 | | | | | | | | | | | |
| 2 | 0.852 | 0.885 | 1362 | N/A | N/A | N/A | 270 | 170 | 7.0 | 19.2 | 6.2 | 1.2 | 1.8 | N/A | N/A | <0.1 | | | | | | | | | | | |
| 3 | 0.844 | 0.792 | 840 | N/A | N/A | N/A | | | 7.1 | 19.4 | | | 1.9 | N/A | N/A | | | | | | | | | | | | |
| 4 | 0.822 | 0.786 | 879 | N/A | N/A | N/A | | | 7.1 | 19.5 | | | 1.5 | N/A | N/A | | | | | | | | | | | | |
| 5 | 0.882 | 0.786 | 826 | N/A | N/A | N/A | | | 7.0 | 19.3 | | | 1.6 | N/A | N/A | | | | | | | | | | | | |
| 6 | 0.886 | 0.916 | 967 | N/A | N/A | N/A | | | 7.2 | 18.7 | | | 1.9 | N/A | N/A | | | | | | | | | | | | |
| 7 | 0.863 | 1.049 | 1141 | N/A | N/A | N/A | | | 7.2 | 18.7 | | | 3.1 | N/A | N/A | | | | | | | | | | | | |
| 8 | 0.851 | 1.068 | 843 | N/A | N/A | N/A | | | 7.3 | 18.7 | | | 3.2 | N/A | N/A | | | | | | | | | | | | |
| 9 | 0.850 | 1.069 | 1080 | N/A | N/A | N/A | | | 7.1 | 19.0 | | | 3.4 | N/A | N/A | | | | | | | | | | | | |
| 10 | 0.845 | 0.813 | 1118 | N/A | N/A | N/A | 490 | 330 | 7.2 | 19.2 | 6.4 | 1.0 | 3.3 | N/A | N/A | <0.1 | | | | | | | | | | | |
| 11 | 0.850 | 0.629 | 666 | N/A | N/A | N/A | | | 7.1 | 19.4 | | | 1.9 | N/A | N/A | | | | | | | | | | | | |
| 12 | 0.888 | 0.627 | 725 | N/A | N/A | N/A | | | 7.1 | 19.6 | | | 1.6 | N/A | N/A | | | | | | | | | | | | |
| 13 | 0.863 | 0.837 | 874 | N/A | N/A | N/A | | | 7.2 | 19.2 | | | 1.7 | N/A | N/A | | | | | | | | | | | | |
| 14 | 0.843 | 0.944 | 991 | N/A | N/A | N/A | | | 7.3 | 18.4 | | | 3.4 | N/A | N/A | | | | | | | | | | | | |
| 15 | 0.858 | 0.949 | 1016 | N/A | N/A | N/A | | | 7.1 | 19.4 | | | 2.7 | N/A | N/A | | | | | | | | | | | | |
| 16 | 0.853 | 0.895 | 1102 | N/A | N/A | N/A | | | 7.2 | 19.1 | | | 2.7 | N/A | N/A | | | | | | | | | | | | |
| 17 | 0.851 | 0.800 | 991 | N/A | N/A | N/A | 540 | 310 | 7.2 | 19.8 | 6.2 | 1.4 | 2.8 | N/A | N/A | <0.1 | | | | | | | | | | | |
| 18 | 0.856 | 0.756 | 814 | N/A | N/A | N/A | | | 7.1 | 20.2 | | | 2.5 | N/A | N/A | | | | | | | | | | | | |
| 19 | 0.894 | 0.750 | 873 | N/A | N/A | N/A | | | 7.1 | 20.2 | | | 2.4 | N/A | N/A | | | | | | | | | | | | |
| 20 | 0.857 | 0.863 | 885 | N/A | N/A | N/A | | | 7.2 | 19.0 | | | 2.6 | N/A | N/A | | | | | | | | | | | | |
| 21 | 0.839 | 1.085 | 1124 | N/A | N/A | N/A | | | 7.1 | 19.5 | | | 3.3 | N/A | N/A | | | | | | | | | | | | |
| 22 | 0.839 | 0.877 | 1106 | N/A | N/A | N/A | | | 7.2 | 19.6 | | | 2.6 | N/A | N/A | | | | | | | | | | | | |
| 23 | 0.828 | 0.781 | 947 | N/A | N/A | N/A | | | 7.1 | 19.7 | | | 2.4 | N/A | N/A | | | | | | | | | | | | |
| 24 | 0.822 | 0.710 | 942 | N/A | N/A | N/A | 280 | 250 | 7.1 | 19.8 | 6.3 | N/D | 2.3 | N/A | N/A | <0.1 | | | | | | | | | | | |
| 25 | 0.833 | 0.777 | 976 | N/A | N/A | N/A | | | 7.0 | 19.6 | | | 3.0 | N/A | N/A | | | | | | | | | | | | |
| 26 | 0.874 | 0.775 | 1050 | N/A | N/A | N/A | | | 7.0 | 19.7 | | | 3.0 | N/A | N/A | | | | | | | | | | | | |
| 27 | 0.853 | 0.845 | 958 | N/A | N/A | N/A | | | 7.1 | 18.6 | | | 2.8 | N/A | N/A | | | | | | | | | | | | |
| 28 | 0.835 | 0.899 | 1252 | N/A | N/A | N/A | | | 7.3 | 19.1 | | | 3.0 | N/A | N/A | | | | | | | | | | | | |
| 29 | 0.843 | 0.822 | 1080 | N/A | N/A | N/A | | | 7.0 | 19.9 | | | 2.8 | N/A | N/A | | | | | | | | | | | | |
| 30 | 0.828 | 0.817 | 963 | N/A | N/A | N/A | | | 7.1 | 19.6 | | | 2.7 | N/A | N/A | | | | | | | | | | | | |
| 31 | 0.830 | 0.601 | 992 | N/A | N/A | N/A | 420 | 350 | 7.0 | 19.8 | 9.7 | 1.4 | 2.5 | N/A | N/A | <0.1 | | | | | | | | | | | |

MONTHLY TESTS EFF-001 DISCHARGE TO RIVER

| Parameter | Ammonia | Nitrite | Nitrate | Hardness | Phosphorus | Bile | Phthalates | Chlorine | Chloride | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform | Chloroform |
|---------------|---------|---------|---------|----------|------------|------|------------|----------|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Ammonia (ppm) | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | 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

| Parameter | TDS | AMMONIA | NITRATE | NITRITE | SODIUM | PHOSPHORUS | CHLORIDE | BOD | TSS | Hardness | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride |
|----------------|-----|---------|---------|---------|--------|------------|----------|-----|-----|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Chloride (ppm) | 250 | N/D | 1.70 | N/D | 41 | 53 | 240 | | | | | | | | | | | | | | | | | | | | |

MONTHLY TESTS RSW-001

| Parameter | TDS | Hardness | Ammonia | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride |
|---------------|-----|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Ammonia (ppm) | 120 | 99 | N/D | 180 | 0.4 | 140 | 90 | N/D | 221 | 0.7 | | | | | | | | | | | | | | | | | |

MONTHLY TESTS RSW-002

| Parameter | TDS | Hardness | Ammonia | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride | Chloride |
|---------------|-----|----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Ammonia (ppm) | 120 | 99 | N/D | 180 | 0.4 | 140 | 90 | N/D | 221 | 0.7 | | | | | | | | | | | | | | | | | |

Signature: _____

Remarks: _____

Permit Exceedance
Eff-001
REC-001
Chloride