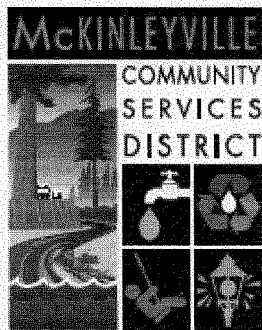


PHYSICAL ADDRESS:

1656 SUTTER ROAD
McKINLEYVILLE, CA 95519

MAILING ADDRESS:

P.O. BOX 2037
McKINLEYVILLE, CA 95519



mckinleyvillecsd.com

MAIN OFFICE:

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

PARKS & RECREATION OFFICE:

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

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

May 23, 2017

RE: MONTHLY MONITORING REPORT

Dear Justin:

Enclosed is the Monthly Monitoring Report for April 2017 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 Point 001. The required monitoring and water quality constituents that were tested and reported were in compliance in April.

The requirement for BOD is 45 mg/L, 604 lbs/day and 65% removal for the monthly average with four weekly tests in April that represent eleven criteria. The BOD results for April are in compliance.

The requirement for TSS is 83 mg/L, 1108 lbs/day and 65% removal for the monthly average with four weekly tests in April which represent three criteria. The TSS results for April 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 April 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 April are as follows. Median was <1.8 and a Maximum of 2. Four samples were collected in the month of April and were in compliance.

Monthly River Monitoring was conducted in April.

Acute testing for April was conducted using Rainbow Trout and C.Dubia. Rainbow Trout had a 100% survival and C.Dubia had a 100% survival.

WWMF Upgrade Status: Clarifier "A" and "B" mechanical equipment is installed. The headworks and maintenance building are 90% completed. Piping from Mixed liquor to Aeration basin is being installed along with running wire. Aeration basin 2 is still under construction. The biosolids basin is lined. The rain has slowed the project down a little. Backfilling around the clarifiers is completed. Weekly meetings 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 August 2017.

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

APRIL 2017

| 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 | 1.576 | 2.275 | 1594 | | | | | | | 0.000 | 2.275 |
| 2 | 1.564 | 2.258 | 1582 | | | | | | | 0.000 | 2.258 |
| 3 | 1.470 | 2.246 | 1582 | | | | | | | 0.000 | 2.246 |
| 4 | 1.426 | 2.111 | 1549 | | | | | | | 0.000 | 2.111 |
| 5 | 1.397 | 1.957 | 1369 | | | | | | | 0.000 | 1.957 |
| 6 | 1.410 | 1.954 | 1371 | | | | | | | 0.000 | 1.954 |
| 7 | 1.440 | 1.908 | 1375 | | | | | | | 0.000 | 1.908 |
| 8 | 1.480 | 1.747 | 1306 | | | | | | | 0.000 | 1.747 |
| 9 | 1.510 | 1.652 | 1170 | | | | | | | 0.000 | 1.652 |
| 10 | 1.323 | 1.594 | 1199 | | | | | | | 0.000 | 1.594 |
| 11 | 1.431 | 1.631 | 1148 | | | | | | | 0.000 | 1.631 |
| 12 | 1.489 | 1.507 | 1139 | | | | | | | 0.000 | 1.507 |
| 13 | 1.515 | 1.308 | 929 | | | | | | | 0.000 | 1.308 |
| 14 | 1.510 | 1.306 | 927 | | | | | | | 0.000 | 1.306 |
| 15 | 1.450 | 1.298 | 922 | | | | | | | 0.000 | 1.298 |
| 16 | 1.444 | 1.289 | 904 | | | | | | | 0.000 | 1.289 |
| 17 | 1.494 | 1.289 | 902 | | | | | | | 0.000 | 1.289 |
| 18 | 1.392 | 1.345 | 973 | | | | | | | 0.000 | 1.345 |
| 19 | 1.366 | 1.400 | 982 | | | | | | | 0.000 | 1.400 |
| 20 | 1.050 | 1.362 | 1008 | | | | | | | 0.000 | 1.362 |
| 21 | 1.361 | 1.384 | 978 | | | | | | | 0.000 | 1.384 |
| 22 | 1.330 | 1.381 | 969 | | | | | | | 0.000 | 1.381 |
| 23 | 1.396 | 1.390 | 975 | | | | | | | 0.000 | 1.390 |
| 24 | 1.426 | 1.395 | 982 | | | | | | | 0.000 | 1.395 |
| 25 | 1.412 | 1.397 | 979 | | | | | | | 0.000 | 1.397 |
| 26 | 1.498 | 1.401 | 984 | | | | | | | 0.000 | 1.401 |
| 27 | 1.439 | 1.383 | 1009 | | | | | | | 0.000 | 1.383 |
| 28 | 1.383 | 1.402 | 993 | | | | | | | 0.000 | 1.402 |
| 29 | 1.346 | 1.399 | 989 | | | | | | | 0.000 | 1.399 |
| 30 | 1.400 | 1.394 | 978 | | | | | | | 0.000 | 1.394 |
| TOTAL | 42.728 | 47.363 | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 47.363 |
| AVERAGE | 1.424 | 1.579 | 1126 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.579 |
| MAXIMUM | 1.576 | 2.275 | 1594 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 2.275 |
| MINIMUM | 1.050 | 1.289 | 902 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1.289 |
| DAYS | 30 | 30 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |

DAYS WITH NO DISCHARGE = 0

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

M-004

RIVER DILUTION

M-005

M-006

MAY 2006

| DATE | M-INF INFLUENT MGD | M-001 EFFLUENT MGD | EFFLUENT MAXIMUM GPM | M-003 PERK PONDS MGD | M-007 IRRIGATE MGD | M-002 RIVER MGD | RIVER DILUTION 100:1 | MAXIMUM G.P.M. DISCHARGE FOR 100:1 | RIVER FLOW IN CFS | RIVER FLOW IN GPS |
|------|--------------------------|--------------------------|----------------------------|-------------------------------|--------------------------|-----------------------|----------------------------|---|-------------------------|-------------------------|
|------|--------------------------|--------------------------|----------------------------|-------------------------------|--------------------------|-----------------------|----------------------------|---|-------------------------|-------------------------|

| | | | | | | | | | | |
|----|-------|-------|------|--|--|-------|------|-------|------|-------|
| 1 | 1.576 | 2.275 | 1594 | | | 2.275 | 586 | 9336 | 2080 | 15560 |
| 2 | 1.564 | 2.258 | 1582 | | | 2.258 | 471 | 7451 | 1660 | 12418 |
| 3 | 1.470 | 2.246 | 1582 | | | 2.246 | 400 | 6329 | 1410 | 10548 |
| 4 | 1.426 | 2.111 | 1549 | | | 2.111 | 351 | 5431 | 1210 | 9052 |
| 5 | 1.397 | 1.957 | 1369 | | | 1.957 | 341 | 4668 | 1040 | 7780 |
| 6 | 1.410 | 1.954 | 1371 | | | 1.954 | 291 | 3995 | 890 | 6658 |
| 7 | 1.440 | 1.908 | 1375 | | | 1.908 | 490 | 6733 | 1500 | 11222 |
| 8 | 1.480 | 1.747 | 1306 | | | 1.747 | 1024 | 13376 | 2980 | 22293 |
| 9 | 1.510 | 1.652 | 1170 | | | 1.652 | 871 | 10189 | 2270 | 16982 |
| 10 | 1.323 | 1.594 | 1199 | | | 1.594 | 730 | 8753 | 1950 | 14588 |
| 11 | 1.431 | 1.631 | 1148 | | | 1.631 | 680 | 7810 | 1740 | 13017 |
| 12 | 1.489 | 1.507 | 1139 | | | 1.507 | 816 | 9291 | 2070 | 15486 |
| 13 | 1.515 | 1.308 | 929 | | | 1.308 | 1976 | 18358 | 4090 | 30597 |
| 14 | 1.510 | 1.306 | 927 | | | 1.306 | 1942 | 17999 | 4010 | 29999 |
| 15 | 1.450 | 1.298 | 922 | | | 1.298 | 1563 | 14408 | 3210 | 24014 |
| 16 | 1.444 | 1.289 | 904 | | | 1.289 | 1231 | 11132 | 2480 | 18553 |
| 17 | 1.494 | 1.289 | 902 | | | 1.289 | 1090 | 9830 | 2190 | 16383 |
| 18 | 1.392 | 1.345 | 973 | | | 1.345 | 1379 | 13421 | 2990 | 22368 |
| 19 | 1.366 | 1.400 | 982 | | | 1.400 | 1123 | 11028 | 2457 | 18381 |
| 20 | 1.050 | 1.362 | 1008 | | | 1.362 | 1980 | 19956 | 4446 | 33261 |
| 21 | 1.361 | 1.384 | 978 | | | 1.384 | 1500 | 14669 | 3268 | 24448 |
| 22 | 1.330 | 1.381 | 969 | | | 1.381 | 1190 | 11531 | 2569 | 19219 |
| 23 | 1.396 | 1.390 | 975 | | | 1.390 | 989 | 9646 | 2149 | 16077 |
| 24 | 1.426 | 1.395 | 982 | | | 1.395 | 895 | 8789 | 1958 | 14648 |
| 25 | 1.412 | 1.397 | 979 | | | 1.397 | 1237 | 12106 | 2697 | 20176 |
| 26 | 1.498 | 1.401 | 984 | | | 1.401 | 1046 | 10297 | 2294 | 17161 |
| 27 | 1.439 | 1.383 | 1009 | | | 1.383 | 1531 | 15450 | 3442 | 25750 |
| 28 | 1.383 | 1.402 | 993 | | | 1.402 | 1068 | 10602 | 2362 | 17670 |
| 29 | 1.346 | 1.399 | 989 | | | 1.399 | 861 | 8510 | 1896 | 14184 |
| 30 | 1.400 | 1.394 | 978 | | | 1.394 | 704 | 6881 | 1533 | 11468 |

| | | | | | | | | | | |
|---------|--------|--------|------|-------|-------|--------|------|-------|------|-------|
| TOTAL | 42.728 | 47.363 | | 0.000 | 0.000 | 47.363 | | | | |
| AVERAGE | 1.424 | 1.579 | 1126 | 0.000 | 0.000 | 1.579 | 1012 | 10599 | 2361 | 17665 |
| MAXIMUM | 1.576 | 2.275 | 1594 | 0.000 | 0.000 | 2.275 | 1980 | 19956 | 4446 | 33261 |
| MINIMUM | 1.050 | 1.289 | 902 | 0.000 | 0.000 | 1.289 | 291 | 3995 | 890 | 6658 |
| DAYS | 30 | 30 | 30 | 0 | 0 | | | | | |

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 0

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

YEAR: 2017

MONTH: APRIL

| DATE | INFLUENT FLOW | | EFFLUENT FLOW | | RIVER OFS | INFLUENT MONITORING | | EFFLUENT MONITORING | | | | | | | 3X5 TOTAL COLIFORM | |
|------|----------------|----------------|----------------|--|--------------|---------------------|----------------|---------------------|--------------|----------------|-------------|---------|----------------------|------------------------------|--------------------------|----------------------|
| | FLOW M.G.D. | FLOW M.G.D. | MAXIMUM GPM | | | B.O.D. mg/L | N.F.R. mg/L | pH | (C°) TEMP | B.O.D. mg/L | NFR mg/L | AMMONIA | CL ₂ RES. | RIVER CL ₂ RES | | SETTLEABLE SOLIDS |
| 1 | 1.576 | 2.275 | 1594 | | 2080 | | | 6.7 | 14.3 | | | | 2.1 | 0.00 | | |
| 2 | 1.564 | 2.258 | 1582 | | 1660 | | | 6.7 | 14.8 | | | | 2.4 | 0.00 | | |
| 3 | 1.470 | 2.246 | 1582 | | 1410 | | | 6.7 | 14.3 | | | 26 | 3.0 | 0.00 | | <1.8 |
| 4 | 1.426 | 2.111 | 1549 | | 1210 | | | 6.8 | 14.7 | | | 26 | 4.1 | 0.00 | | |
| 5 | 1.397 | 1.957 | 1369 | | 1040 | | | 6.6 | 14.3 | | | 26 | 4 | 0.00 | | |
| 6 | 1.410 | 1.954 | 1371 | | 890 | | | 6.7 | 14.9 | | | 28 | 3.2 | 0.00 | | |
| 7 | 1.440 | 1.908 | 1375 | | 1500 | 330 | 310 | 6.7 | 14.4 | 19 | 14 | 24 | 4.3 | 0.00 | <0.1 | |
| 8 | 1.480 | 1.747 | 1306 | | 2980 | | | 6.9 | 13.1 | | | | 3.4 | 0.00 | | |
| 9 | 1.510 | 1.652 | 1170 | | 2270 | | | 6.8 | 13.3 | | | | 3.6 | 0.00 | | |
| 10 | 1.323 | 1.594 | 1199 | | 1950 | | | 6.9 | 13.6 | | | 28 | 3.5 | 0.00 | | <1.8 |
| 11 | 1.431 | 1.631 | 1148 | | 1740 | | | 6.8 | 14.0 | | | 24 | 3.0 | 0.00 | | |
| 12 | 1.489 | 1.507 | 1139 | | 2070 | | | 6.9 | 14.0 | | | 28 | 3.5 | 0.00 | | |
| 13 | 1.515 | 1.308 | 929 | | 4090 | | | 7.0 | 13.0 | | 16 | 28 | 3.1 | 0.00 | | |
| 14 | 1.510 | 1.306 | 927 | | 4010 | 220 | 220 | 7.1 | 13.3 | 17 | | 42 | 2.4 | 0.00 | <0.1 | |
| 15 | 1.450 | 1.298 | 922 | | 3210 | | | 6.9 | 13.5 | | | | 2.2 | 0.00 | | |
| 16 | 1.444 | 1.289 | 904 | | 2480 | | | 7.1 | 14.3 | | | | 2.2 | 0.00 | | 2 |
| 17 | 1.494 | 1.289 | 902 | | 2190 | | | 7.1 | 14.1 | | | 28 | 2.2 | 0.00 | | |
| 18 | 1.392 | 1.345 | 973 | | 2990 | | | 7.1 | 14.4 | | | 40 | 2.3 | 0.00 | | |
| 19 | 1.366 | 1.400 | 982 | | 2457 | | | 7.0 | 15.0 | | | 22 | 1.8 | 0.00 | | |
| 20 | 1.050 | 1.362 | 1008 | | 4446 | | | 7.0 | 14.6 | | | 26 | 2 | 0.00 | | |
| 21 | 1.361 | 1.384 | 978 | | 3268 | 230 | 220 | 7.0 | 14.7 | 21 | 13 | 28 | 2.0 | 0.00 | <0.1 | |
| 22 | 1.330 | 1.381 | 969 | | 2569 | | | 6.7 | 15.3 | | | | 2.0 | 0.00 | | |
| 23 | 1.396 | 1.390 | 975 | | 2149 | | | 7.1 | 15.8 | | | | 2.0 | 0.00 | | |
| 24 | 1.426 | 1.395 | 982 | | 1958 | | | 7.0 | 15.6 | | | 26 | 2.2 | 0.00 | | <1.8 |
| 25 | 1.412 | 1.397 | 979 | | 2697 | | | 6.8 | 15.2 | | | 24 | 2.0 | 0.00 | | |
| 26 | 1.498 | 1.401 | 984 | | 2294 | | | 7.0 | 15.8 | | | 26 | 2.1 | 0.00 | | |
| 27 | 1.439 | 1.383 | 1009 | | 3442 | | | 7.0 | 15.3 | | | 26 | 2.2 | 0.00 | | |
| 28 | 1.383 | 1.402 | 993 | | 2362 | 190 | 170 | 7.0 | 15.3 | 22 | 23 | 24 | 2.2 | 0.00 | <0.1 | |
| 29 | 1.346 | 1.399 | 989 | | 1896 | | | 6.9 | 15.5 | | | | 2.2 | 0.00 | | |
| 30 | 1.400 | 1.394 | 978 | | 1533 | | | 7.1 | 16.1 | | | | 2.2 | 0.00 | | |

SPILLS:

78 gallon sewer spill which was reported on April 25 2016

| DATE | MONTHLY TESTS | | | |
|-----------|---------------|---------|---------|-------|
| | TDS | AMMONIA | NITRATE | BORON |
| 4/30/2017 | 220 | 22.0 | ND | 140 |

| 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 | | DNQ |
| Bromomethane | | ND |
| Chlorodibromomethane | | ND |
| Chloroform | | 0.87 |

ACUTE TOXICITY

| DATE | % Survival |
|------------------------|------------|
| Rainbow Trout 4/4/2017 | 100% |
| C. dubia 4/4/2017 | 100% |

| CHRONIC TOXICITY | |
|------------------|----------|
| TESTED | SURVIVAL |
| Minnow | N/A |
| C. Dubia | N/A |
| Algae | N/A |
| | TUc |

SIGNATURE: _____

REMARKS:

Indicates Permit Exceedance

| | |
|-------------------------------|------|
| Total Coliform Monthly MEDIAN | <1.8 |
| Daily Maximum | 2 |