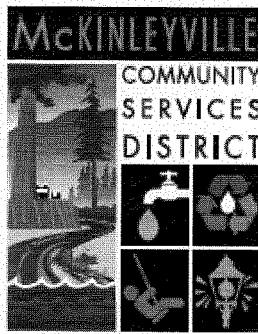


**PHYSICAL ADDRESS:**

1656 SUTTER ROAD  
McKINLEYVILLE, CA 95519

**MAILING ADDRESS:**

P.O. BOX 2037  
McKINLEYVILLE, CA 95519



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FAX: (707) 839-5964

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

June 30, 2014

**RE: MONTHLY MONITORING REPORT**

Dear Lisa:

Enclosed is the Monthly Monitoring Report for May 2014 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 31 days discharge to reclamation M-005, 6, & 7 and land disposal M-003. The required monitoring and water quality constituents that were tested and reported were in compliance in May 2014.

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

The requirement for TSS is 83 mg/L monthly average with five weekly tests in May which represent one criteria. The TSS results for May 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 May 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 May are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of May and were in compliance.

Monthly River Monitoring was conducted in May.

# McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY EFFLUENT DISCHARGE DISPOSAL

MAY 2014

| Discharge<br>Monitoring    |        |                 |                 | 002            | 002           | 004           | 003                     | 006                     | 005             |               |                         | 001          |
|----------------------------|--------|-----------------|-----------------|----------------|---------------|---------------|-------------------------|-------------------------|-----------------|---------------|-------------------------|--------------|
|                            | M-INF  | M-001           |                 | M-003          | M-003         | M-005         | M-004                   | M-007                   | M-006           |               |                         | M-002        |
|                            | DATE   | INFLUENT<br>MGD | EFFLUENT<br>MGD | MAXIMUM<br>GPM | N.POND<br>MGD | S.POND<br>MGD | FISCHER<br>MGD<br>UPPER | FISCHER<br>MGD<br>LOWER | PIALORSI<br>MGD | HILLER<br>MGD | IRRGATE<br>TOTAL<br>MGD | RIVER<br>MGD |
|                            |        |                 |                 |                |               |               |                         |                         |                 |               |                         |              |
| 1                          | 0.835  | 0.329           | 788             |                |               | 0.209         |                         | 0.120                   |                 | 0.329         | 0.000                   |              |
| 2                          | 0.845  | 0.649           | 524             |                | 0.323         | 0.181         |                         | 0.145                   |                 | 0.326         | 0.000                   |              |
| 3                          | 0.910  | 0.579           | 414             |                | 0.579         |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 4                          | 0.952  | 0.528           | 451             |                | 0.528         |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 5                          | 0.894  | 0.214           | 397             |                | 0.214         |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 6                          | 0.839  | 0.000           | 0               | Washed CCB     |               |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 7                          | 0.839  | 0.371           | 1243            |                |               | 0.222         |                         | 0.149                   |                 | 0.371         | 0.000                   |              |
| 8                          | 0.842  | 0.445           | 638             |                |               | 0.181         |                         | 0.264                   |                 | 0.445         | 0.000                   |              |
| 9                          | 0.831  | 0.567           | 602             |                | 0.456         | 0.111         |                         |                         |                 | 0.111         | 0.000                   |              |
| 10                         | 0.848  | 0.849           | 597             |                | 0.849         |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 11                         | 0.898  | 0.835           | 591             |                | 0.835         |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 12                         | 0.861  | 0.563           | 681             |                | 0.310         | 0.048         |                         | 0.146                   | 0.059           | 0.253         | 0.000                   |              |
| 13                         | 0.840  | 0.747           | 959             |                |               | 0.327         |                         | 0.276                   | 0.144           | 0.747         | 0.000                   |              |
| 14                         | 0.837  | 1.073           | 951             |                |               | 0.660         |                         | 0.272                   | 0.141           | 1.073         | 0.000                   |              |
| 15                         | 0.842  | 1.028           | 938             |                |               | 0.608         |                         | 0.274                   | 0.146           | 1.028         | 0.000                   |              |
| 16                         | 0.826  | 0.972           | 971             |                | 0.371         | 0.380         |                         | 0.142                   | 0.079           | 0.601         | 0.000                   |              |
| 17                         | 0.829  | 0.674           | 475             |                | 0.674         |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 18                         | 0.883  | 0.669           | 472             |                | 0.669         |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 19                         | 0.846  | 0.761           | 879             |                | 0.297         | 0.270         |                         | 0.124                   | 0.070           | 0.464         | 0.000                   |              |
| 20                         | 0.850  | 1.044           | 955             |                |               | 0.620         |                         | 0.272                   | 0.152           | 1.044         | 0.000                   |              |
| 21                         | 0.840  | 0.910           | 1295            |                |               | 0.485         |                         | 0.275                   | 0.150           | 0.910         | 0.000                   |              |
| 22                         | 0.842  | 0.634           | 586             |                |               | 0.356         |                         | 0.278                   |                 | 0.634         | 0.000                   |              |
| 23                         | 0.810  | 0.639           | 584             |                | 0.438         | 0.063         |                         | 0.138                   |                 | 0.201         | 0.000                   |              |
| 24                         | 0.796  | 0.609           | 430             |                | 0.609         |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 25                         | 0.801  | 0.598           | 421             |                | 0.598         |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 26                         | 0.880  | 0.601           | 424             |                | 0.601         |               |                         |                         |                 | 0.000         | 0.000                   |              |
| 27                         | 0.855  | 0.501           | 670             |                | 0.229         | 0.151         |                         | 0.121                   |                 | 0.272         | 0.000                   |              |
| 28                         | 0.834  | 0.453           | 612             |                |               | 0.196         |                         | 0.257                   |                 | 0.453         | 0.000                   |              |
| 29                         | 0.831  | 0.490           | 734             |                |               | 0.270         |                         | 0.220                   |                 | 0.490         | 0.000                   |              |
| 30                         | 0.796  | 0.478           | 797             |                | 0.249         | 0.120         |                         | 0.109                   |                 | 0.229         | 0.000                   |              |
| 31                         | 0.815  | 0.449           | 319             |                | 0.449         |               |                         |                         |                 | 0.000         | 0.000                   |              |
|                            |        |                 |                 |                |               |               |                         |                         |                 |               |                         |              |
| TOTAL                      | 26.247 | 19.259          |                 | 0.000          | 9.278         | 5.458         | 0.000                   | 3.582                   | 0.941           | 9.981         | 0.000                   |              |
| AVERAGE                    | 0.847  | 0.621           | 658             | 0.000          | 0.464         | 0.287         | 0.000                   | 0.199                   | 0.118           | 0.322         | 0.000                   |              |
| MAXIMUM                    | 0.952  | 1.073           | 1295            | 0.000          | 0.849         | 0.660         | 0.000                   | 0.278                   | 0.152           | 1.073         | 0.000                   |              |
| MINIMUM                    | 0.796  | 0.000           | 0               | 0.000          | 0.000         | 0.048         | 0.000                   | 0.109                   | 0.059           | 0.000         | 0.000                   |              |
| DAYS                       | 31     | 30              |                 | 0              | 19            | 19            | 0                       | 18                      | 8               | 19            | 0                       |              |
| DAYS WITH NO DISCHARGE = 1 |        |                 |                 |                |               |               |                         |                         |                 |               |                         |              |

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
MONITORING DATA

YEAR: 2014

MONTH: MAY

| DATE | INFLUENT FLOW |        | EFFLUENT FLOW |     | RIVER CFS | INFLUENT MONITORING |             | EFFLUENT MONITORING |           |             |          |         |                      |                           | 3X5 TOTAL        |          |
|------|---------------|--------|---------------|-----|-----------|---------------------|-------------|---------------------|-----------|-------------|----------|---------|----------------------|---------------------------|------------------|----------|
|      | M.G.D.        | M.G.D. | M.G.D.        | GPM |           | B.O.D. mg/L         | N.F.R. mg/L | pH                  | (C°) TEMP | B.O.D. mg/L | NFR mg/L | AMMONIA | CL <sub>2</sub> RES. | RIVER CL <sub>2</sub> RES | SETTLABLE SOLIDS | COLIFORM |
| 1    | 0.835         | 0.329  | 0.788         |     |           |                     |             | 7.2                 | 18.0      |             |          | 30      | 1.5                  |                           |                  |          |
| 2    | 0.845         | 0.649  | 524           |     | 280       | 240                 |             | 6.6                 | 15.9      | 31          | 29       | 32      | 4.4                  |                           | <0.1             |          |
| 3    | 0.910         | 0.579  | 414           |     |           |                     |             |                     |           |             |          |         |                      |                           |                  |          |
| 4    | 0.952         | 0.528  | 451           |     |           |                     |             |                     |           |             |          |         |                      |                           |                  |          |
| 5    | 0.894         | 0.214  | 397           |     |           |                     |             |                     |           |             |          |         |                      |                           |                  |          |
| 6    | 0.839         | 0.000  | 0             |     |           |                     |             | 6.7                 | 16.2      |             |          | 38      | 7.0                  |                           |                  | <1.8     |
| 7    | 0.839         | 0.371  | 1243          |     |           |                     | Washed CCB  |                     |           |             |          |         |                      |                           |                  |          |
| 8    | 0.842         | 0.445  | 638           |     |           |                     |             | 6.8                 | 16.0      |             |          | 34      | 8.5                  |                           |                  |          |
| 9    | 0.831         | 0.567  | 602           |     | 270       | 320                 |             | 6.5                 | 16.0      |             |          | 36      | 6.2                  |                           |                  |          |
| 10   | 0.848         | 0.849  | 597           |     |           |                     |             | 6.7                 | 16.3      | 7.5         | 17       | 32      | 6.7                  |                           | <0.1             |          |
| 11   | 0.898         | 0.835  | 591           |     |           |                     |             |                     |           |             |          |         |                      |                           |                  |          |
| 12   | 0.861         | 0.563  | 681           |     |           |                     |             | 6.7                 | 16.2      |             |          | 36      | 4.0                  |                           |                  | <1.8     |
| 13   | 0.840         | 0.747  | 959           |     |           |                     |             | 6.8                 | 16.9      |             |          | 32      | 3.7                  |                           |                  |          |
| 14   | 0.837         | 1.073  | 951           |     |           |                     |             | 6.7                 | 18.4      |             |          | 30      | 1.7                  |                           |                  |          |
| 15   | 0.842         | 1.028  | 938           |     |           |                     |             | 6.6                 | 17.7      |             |          | 36      | 1.9                  |                           |                  |          |
| 16   | 0.826         | 0.972  | 971           |     | 340       | 160                 |             | 6.7                 | 17.5      | 28          | 30       | 38      | 2.1                  |                           | <0.1             |          |
| 17   | 0.829         | 0.674  | 475           |     |           |                     |             |                     |           |             |          |         |                      |                           |                  |          |
| 18   | 0.883         | 0.669  | 472           |     |           |                     |             |                     |           |             |          |         |                      |                           |                  |          |
| 19   | 0.846         | 0.761  | 879           |     |           |                     |             | 6.8                 | 18.0      |             |          | 34      | 2.4                  |                           |                  | <1.8     |
| 20   | 0.850         | 1.044  | 955           |     |           |                     |             | 7.3                 | 19.6      |             |          | 28      | 4.3                  |                           |                  |          |
| 21   | 0.840         | 0.910  | 1295          |     |           |                     |             | 7.1                 | 20.0      |             |          | 34      | 3.8                  |                           |                  |          |
| 22   | 0.842         | 0.634  | 586           |     |           |                     |             | 6.6                 | 16.9      |             |          | 36      | 2.5                  |                           |                  |          |
| 23   | 0.810         | 0.639  | 584           |     | 300       | 270                 |             | 6.6                 | 17.2      | 21          | 22       | 36      | 3.5                  |                           | <0.1             |          |
| 24   | 0.796         | 0.609  | 430           |     |           |                     |             |                     |           |             |          |         |                      |                           |                  |          |
| 25   | 0.801         | 0.598  | 421           |     |           |                     |             |                     |           |             |          |         |                      |                           |                  |          |
| 26   | 0.880         | 0.601  | 424           |     |           |                     |             |                     |           |             |          |         |                      |                           |                  |          |
| 27   | 0.855         | 0.501  | 670           |     |           |                     |             | 6.7                 | 17.5      |             |          | 32      | 5.9                  |                           |                  | <1.8     |
| 28   | 0.834         | 0.453  | 612           |     |           |                     |             | 6.7                 | 17.1      |             |          | 34      | 6.1                  |                           |                  |          |
| 29   | 0.831         | 0.490  | 734           |     |           |                     |             | 6.7                 | 17.4      |             |          | 32      | 4.9                  |                           |                  |          |
| 30   | 0.796         | 0.478  | 797           |     | 290       | 200                 |             | 6.7                 | 18.2      | 21          | 21       | 32      | 4.8                  |                           | <0.1             |          |
| 31   | 0.815         | 0.449  | 319           |     |           |                     |             |                     |           |             |          |         |                      |                           |                  |          |

SPILLS: None to report

| DATE      | TDS | AMMONIA | NITRATE | BORON |
|-----------|-----|---------|---------|-------|
| 5/31/2014 | 290 | 35.0    | ND      | 280   |

| 30 DAY AVERAGE | BOD mg/L | BOD LBS/DAY | BOD % Removal | NFR mg/L | NFR LBS/DAY | NFR % Removal |
|----------------|----------|-------------|---------------|----------|-------------|---------------|
|                | 22       | 125         | 93            | 24       | 136         | 89            |

| 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           |
| Bromoform            | N/A           |
| Chlorodibromomethane | N/A           |
| Chloroform           | N/A           |

ACUTE TOXICITY

| DATE | % Survival |
|------|------------|
|      | 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           |

SIGNATURE: \_\_\_\_\_

REMARKS: Indicates Permit Exceedance