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

December 29, 2011

RE: MONTHLY MONITORING REPORT

Dear Lisa:

Enclosed is the Monthly Monitoring Report for November 2011 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 discharge to reclamation M-005, 6, & 7 and land disposal to M-003. The required monitoring and water quality constituents that were tested and were reported were in compliance in November.

The requirement for BOD is 45 mg/L, for the monthly average, a minimum of 65% removal and a weekly average of 65 mg/L. With four weekly tests in November, that constitutes seven criteria. The BOD results for November are in compliance.

The requirement for NFR is 83 mg/L and minimum of 65% removal for the monthly average. With four weekly tests in November, that constitutes three criteria. The NFR results for November 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 November 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 November are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of November and were in compliance.


Monthly River Monitoring was conducted in November.

EXHIBITS:

- A. November 2011 Wastewater Management Facilities spreadsheet with the daily, weekly, monthly, quarterly and annual monitoring records for monitoring location M-001.
- B. Disposal Flows and Location Data Sheet
- C. BOD and TSS work sheet
- D. River Monitoring worksheet for R-001 and R-002

"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."

If you have any questions, please contact this office.


NORMAN SHOPAY, GENERAL MANAGER

ENCLOSURES

FILE

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

MONTH: NOVEMBER

YEAR: 2011

| INFLUENT FLOW M.G.D. | | EFFLUENT FLOW M.G.D. | | EFFLUENT MAXIMUM GPM | | RIVER CFS | | INFLUENT MONITORING | | EFFLUENT MONITORING | | RIVER | | SETTLABLE SOLIDS | | 3X5 TOTAL COLIFORM | | | | | | | | | | | | | |
|----------------------|-------|----------------------|------|----------------------|--|-----------|--|---------------------|--|---------------------|--|-------|------|------------------|--|--------------------|--|----------|--|---------|--|----------------------|--|---------------------|--|------------------|------|--------------------|------|
| DATE | | M.G.D. | | M.G.D. | | CFS | | 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. | | CL ₂ RES | | SETTLABLE SOLIDS | | 3X5 TOTAL COLIFORM | |
| 1 | 0.930 | 1.412 | 1027 | | | | | | | | | 7.1 | 13 | | | | | | | | | | | | | | | | |
| 2 | 0.905 | 1.384 | 986 | | | | | | | | | 7.1 | 13.0 | | | | | | | | | | | | | | | | |
| 3 | 0.933 | 1.305 | 993 | | | | | | | | | 7.0 | 13.1 | | | | | | | | | | | | | | | | |
| 4 | 0.910 | 1.000 | 957 | | | | | 260 | | 220 | | 7.3 | 12.3 | 21 | | 43 | | | | | | | | | | | <0.1 | | |
| 5 | 0.954 | 0.581 | 409 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 1.066 | 0.575 | 404 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 0.942 | 1.039 | 963 | | | | | | | | | 7.3 | 11.6 | | | 28 | | | | | | | | | | | | | <1.8 |
| 8 | 0.901 | 1.354 | 965 | | | | | | | | | 6.9 | 11.2 | | | 26 | | | | | | | | | | | | | |
| 9 | 0.896 | 1.370 | 972 | | | | | | | | | 7.6 | 11.2 | | | 30 | | | | | | | | | | | | | |
| 10 | 0.874 | 1.066 | 973 | | | | | 260 | | 210 | | 7.0 | 11.4 | 28 | | 35 | | | | | | | | | | | <0.1 | | |
| 11 | 0.887 | 0.636 | 448 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 0.880 | 0.627 | 442 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 0.935 | 0.624 | 437 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 0.881 | 1.036 | 950 | | | | | | | | | 7.0 | 11.6 | | | 28 | | | | | | | | | | | | | <1.8 |
| 15 | 0.853 | 1.331 | 952 | | | | | | | | | 7.1 | 10.8 | | | 30 | | | | | | | | | | | | | |
| 16 | 0.875 | 1.314 | 943 | | | | | | | | | 6.9 | 11.9 | | | 30 | | | | | | | | | | | | | |
| 17 | 0.885 | 1.268 | 903 | | | | | | | | | 6.9 | 12.4 | | | 32 | | | | | | | | | | | | | |
| 18 | 0.898 | 1.033 | 929 | | | | | 230 | | 190 | | 6.9 | 11.9 | 24 | | 42 | | | | | | | | | | | <0.1 | | |
| 19 | 0.951 | 0.805 | 569 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 0.947 | 0.795 | 558 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 0.895 | 1.073 | 905 | | | | | | | | | 7.0 | 11.0 | | | 34 | | | | | | | | | | | | | <1.8 |
| 22 | 0.895 | 1.303 | 921 | | | | | 270 | | 280 | | 6.9 | 11.4 | 25 | | 34 | | | | | | | | | | | | | |
| 23 | 0.995 | 1.026 | 957 | | | | | | | | | 6.9 | 12.0 | | | | | | | | | | | | | | | | |
| 24 | 1.016 | 0.670 | 473 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 0.888 | 0.665 | 466 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 0.914 | 0.664 | 468 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 0.974 | 0.662 | 463 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 0.932 | 1.108 | 951 | | | | | | | | | 6.9 | 11.3 | | | 32 | | | | | | | | | | | | | <1.8 |
| 29 | 0.921 | 1.337 | 952 | | | | | | | | | 6.8 | 11.3 | | | 32 | | | | | | | | | | | | | |
| 30 | 0.895 | 1.355 | 996 | | | | | | | | | 6.9 | 10.7 | | | 32 | | | | | | | | | | | | | |

| MONTHLY TESTS | | | |
|---------------|-----|---------|---------|
| DATE | TDS | AMMONIA | NITRATE |
| 11/3/2011 | 310 | 25.0 | ND |
| | | | BORON |
| | | | 230 |


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

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

| ACUTE TOXICITY | | % Survival |
|----------------|-----|------------|
| DATE | | |
| RAINBOW TROUT | N/A | |
| C. dubia | N/A | |

SIGNATURE: 

REMARKS:

 Indicates Permit Exceedance

| CHRONIC TOXICITY | | % Removal |
|------------------|----------|-----------|
| TESTED | SURVIVAL | |
| Minnow | N/A | |
| C. Dubia | N/A | |
| Algae | N/A | |
| TUC | | |

| Total Coliform | | % Removal |
|----------------|--------|-----------|
| Monthly | MEDIAN | |
| Daily | | |
| Maximum | | |