



McKinleyville Community Services District
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March 31, 2010

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

RE: MONTHLY MONITORING REPORT

Dear Lisa:

Enclosed is the monthly Monitoring Report for February 2010 for McKinleyville Community Services District Wastewater Management Facilities WDID NO. 1B82084OHUM.

The normal discharge of effluent was 27 days of discharge to the Mad River. The required monitoring and water quality constituents that were tested and were reported were in compliance except for monthly 4,4'-DDT test annual Chronic toxicity testing.

The requirement for BOD is 45 mg/L, a maximum of 441 pounds of BOD for the 30-day average, a minimum of 65% removal and a weekly average of 65 mg/L. With four weekly tests in February, that constitutes seven criteria. The BOD results for February are in compliance.

The requirement for NFR is 83 mg/L, a maximum of 931 pounds per-day and a minimum of 65% removal for the 30-day average. With four weekly tests in February, that constitutes three criteria. The NFR results for February are in compliance.

The requirement for Nitrate as Nitrogen in the effluent is a monthly average of 10mg/L. One test was conducted in February 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 February are as follows. Median was <2 and a Maximum of <2. Four samples were collected and all are in compliance.

The Requirement for Acute Toxicity testing is a minimum of 70% survival for any one test and median for all tests in one month of 90%. One test was conducted in February and is in compliance with 100% survival.

Pollutants of Concern testing was conducted in February and all were in compliance except 4,4'-DDT has an interim limitation of 0.031 µg/L and the result for February is 0.53 µg/L.

Monitoring of the Mad River, Storm Water Wetlands at Hiller and Backswamp Wetlands were conducted in February.

Annual Chronic Testing was conducted in February at M-001. The limitation of 1TUc was exceeded for the Flathead Minnow.

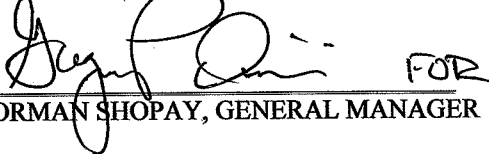
EXHIBITS:

- A. February 2010 Wastewater Management Facilities spreadsheet with the daily, weekly, monthly, and annual monitoring records for monitoring location M-001.
- B. Disposal Flows and Location Data Sheet.
- C. River CFS and Discharge Dilution work sheet

- D. BOD and TSS work sheet.
- E. River Monitoring work Sheet for R-001 and R-002
- F. Backswamp Wetlands work sheet for R-003
- G. Hiller Wetland Monitoring work sheet for R-004 and R-005
- H. Acute Toxicity lab report
- I. Chronic Toxicity lab report
- J. Pollutants of Concern lab report

"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.

 FOR
NORMAN SHOPAY, GENERAL MANAGER

ENCLOSURES
FILE

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

MONTH: FEBRUARY

YEAR: 2010

| 3X5 | | | | | | | | | | | | | | |
|------|-------------------------|-------------------------|-------------------------|-----------|---------------------|----------------|----------------------------------|--------------|----------------|-------------|---------|----------------------|---------------------------|----------------|
| DATE | INFLUENT FLOW M.G.D. | EFFLUENT FLOW M.G.D. | EFFLUENT MAXIMUM GPM | RIVER CFS | INFLUENT MONITORING | | EFFLUENT MONITORING | | | | | | | TOTAL COLIFORM |
| | | | | | B.O.D. mg/L | N.F.R. mg/L | pH | TEMP (C°) | B.O.D. mg/L | NFR mg/L | AMMONIA | CL ₂ RES. | RIVER CL ₂ RES | |
| 1 | 1.172 | 1.638 | 1210 | 2450 | | | 7.0 | 11.7 | | | 30 | 2.6 | 0.0 | <2 |
| 2 | 1.166 | 1.564 | 1097 | 2420 | | | 6.8 | 11.9 | | | 30 | 1.6 | 0.0 | |
| 3 | 1.182 | 1.561 | 1095 | 2850 | | | 6.9 | 11.9 | | | 30 | 2.1 | 0.0 | |
| 4 | 1.157 | 1.337 | 1088 | 2930 | | | 6.8 | 11.9 | | | 28 | 1.6 | 0.0 | |
| 5 | 1.178 | 1.086 | 768 | 5200 | 320 | | 6.9 | 11.4 | 23 | 39 | 30 | 3.2 | 0.0 | <0.1 |
| 6 | 1.232 | 1.357 | 1071 | 4260 | | | 6.8 | 12.6 | | | | 3.4 | 0.0 | |
| 7 | 1.281 | 1.533 | 1072 | 4030 | | | 6.8 | 13.1 | | | | 2.4 | 0.0 | |
| 8 | 1.163 | 0.966 | 1070 | 3200 | | | 6.9 | 11.8 | | | 28 | 2.1 | 0.0 | <2 |
| 9 | 1.130 | 0.000 | 0 | 2660 | | | No Discharge Due to CCB Washdown | | | | | | | |
| 10 | 1.121 | 1.068 | 1097 | 2210 | | | 7.2 | 11.4 | | | 32 | 1.4 | 0.0 | |
| 11 | 1.120 | 1.380 | 1100 | 2010 | | | 6.8 | 11.8 | | | 28 | 1.5 | 0.0 | |
| 12 | 1.135 | 1.171 | 822 | 2210 | 200 | | 7.2 | 11 | 17 | 26 | 32 | 2.7 | 0.0 | <0.1 |
| 13 | 1.157 | 1.391 | 1101 | 2060 | | | 6.8 | 11.7 | | | | 1.6 | 0.0 | |
| 14 | 0.710 | 1.569 | 1101 | 1970 | | | 6.8 | 12.9 | | | | 1.2 | 0.0 | |
| 15 | 1.215 | 1.568 | 1121 | 2420 | | | 6.8 | 12.0 | | | 32 | 2.5 | 0.0 | <2 |
| 16 | 1.132 | 1.573 | 1106 | 2100 | | | 7.0 | 14.4 | | | | 4.6 | 0.0 | |
| 17 | 1.107 | 1.578 | 1119 | 1930 | | | 7.1 | 12.9 | | | 32 | 0.1 | 0.0 | |
| 18 | 1.086 | 1.329 | 1109 | 1750 | | | 6.9 | 12.9 | | | 30 | 0.5 | 0.0 | |
| 19 | 1.074 | 1.139 | 802 | 1610 | 260 | | 6.8 | 12.7 | 21 | 25 | 32 | 1.1 | 0.0 | <0.1 |
| 20 | 1.102 | 1.140 | 804 | 1470 | | | 6.5 | 12.2 | | | | 2.4 | 0.0 | |
| 21 | 1.102 | 1.141 | 800 | 1360 | | | 6.8 | 12.0 | | | | 1.7 | 0.0 | |
| 22 | 1.067 | 1.142 | 799 | 1260 | | | 6.6 | 12.0 | | | 38 | 2.2 | 0.0 | <2 |
| 23 | 1.105 | 1.140 | 800 | 1130 | | | 6.7 | 11.9 | | | 28 | 0.8 | 0.0 | |
| 24 | 1.134 | 1.133 | 797 | 200 | | | 6.7 | 12.5 | | | 30 | 1.9 | 0.0 | |
| 25 | 1.097 | 1.132 | 793 | 2360 | | | 6.7 | 12.9 | | | 30 | 2.6 | 0.0 | |
| 26 | 1.326 | 1.118 | 790 | 2180 | 240 | | 6.8 | 13.7 | 32 | 23 | 32 | 1.9 | 0.0 | <0.1 |
| 27 | 1.297 | 1.388 | 1098 | 8520 | | | 6.9 | 12.1 | | | | 2.8 | 0.0 | |
| 28 | 1.287 | 1.583 | 1112 | 5160 | | | 6.9 | 11.8 | | | | 0.2 | 0.0 | |

SPLLS:

| | | | | | | | | | | | | | | | |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| None to report | | | | | | | | | | | | | | | |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| | | | | | | |
|----------------|----------|-------------|---------------|----------|-------------|---------------|
| 30 DAY AVERAGE | BOD mg/L | BOD LBS/DAY | BOD % Removal | NFR mg/L | NFR LBS/DAY | NFR % Removal |
| | 23 | 218 | 91 | 28 | 265 | 85 |

ACUTE TOXICITY

| | |
|------------------------|------------|
| DATE | % Survival |
| Rainbow Trout 2/3/2010 | 100% |

CHRONIC TOXICITY

| | |
|----------|----------|
| TESTED | SURVIVAL |
| Minnow | 2 |
| C. Dufia | 1 |
| Algae | 1 |
| TUC | |

Total Coliform

| | |
|---------|----|
| Monthly | <2 |
| Daily | <2 |
| Maximum | <2 |

MONTHLY TESTS

| | | | | |
|----------|-----|---------|---------|-------|
| DATE | TDS | AMMONIA | NITRATE | BORON |
| 2/8/2010 | 93 | 25.0 | ND | 240 |

| | | |
|----------|----------------|------|
| DATE | Copper | 17 |
| 2/8/2010 | Lead | ND |
| | Bis. phthalate | 3 |
| | alpt-BHC | ND |
| | 4,4' -DDT | 0.53 |
| | 2,3,7,8-TCDD | ND |

Quantity Tests

| | |
|---------------|----------------------|
| Value in ug/L | Dichlorobromomethane |
| | Bromochloromethane |
| | Chlorobromomethane |
| | Chloroform |

REMARKS: 2/9/2010 No Discharge Due to CCB Washdown

SIGNATURE: 