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January 28, 2011

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 December 2010 for McKinleyville Community Services District Wastewater Management Facilities WDID NO. 1B82084OHUM.

The normal discharge of effluent was 1 day to land reclamation and 30 days discharge to the Mad River. The required monitoring and water quality constituents that were tested and were reported were in compliance in December.

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 five weekly tests in December, that constitutes eight criteria. The BOD results for December 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 five weekly tests in December, that constitutes three criteria. The NFR results for December 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 December 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 December are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of December and were in compliance.

Monitoring of the Mad River, Hiller Storm Water Wetlands and Fischer Backswamp Wetlands was conducted in December.

Monthly testing for constituents of Concern was conducted in December and all were 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 December and is in compliance with 100% survival.

**EXHIBITS:**

- A. December 2010 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. River CFS and Effluent Flow Data Sheet
- D. BOD and TSS work sheet
- E. Laboratory Analysis for Constituents of Concern
- F. Laboratory Analysis for Dixon
- G. Laboratory Analysis for Acute Toxicity Testing
- H. River Monitoring worksheet for R-001 and R-002
- I. Hiller Marsh worksheet for R-004 and R-005
- J. Fischer Ranch Backswamp worksheetR-003
- K. Spill Notification Form for 12/4/2010

"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.

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NORMAN SHOPAY, GENERAL MANAGER

ENCLOSURES

FILE

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
MONITORING DATA

MONTH: DECEMBER

YEAR: 2010

DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING				EFFLUENT MONITORING							3X5 TOTAL COLIFORM
					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	SETTLEABLE SOLIDS		
1	1.108	1.438	1172	1140			6.8	9.8			34	2.7	0.00			
2	1.247	1.660	1158	3080			6.9	9.9			32	2.9	0.00			
3	1.173	1.540	1162	4810	210	190	7.0	9.7	32	34	30	0.8	0.00	<0.1		
4	1.162	1.538	1078	2980			6.8	10.0				1.9	0.00			
5	1.217	1.540	1081	2260			6.9	10				1.6	0.00			
6	1.128	1.536	1082	2320			6.7	10.5			30	0.8	0.00			<1.8
7	1.079	1.544	1166	2300			6.7	11.3			34	0.3	0.00			
8	1.106	1.567	1216	1820			6.7	11.2			34	0.6	0.00			
9	1.110	1.559	1226	1880			6.7	11.2			34	0.3	0.00			
10	1.197	1.443	1189	3860	160	140	6.7	11.9	29	37	32	1.3	0.00	<0.1		
11	1.214	1.330	934	3180			6.8	12.5				1.3	0.00			
12	1.226	1.331	932	2720			6.7	12.3				0.4	0.00			
13	1.178	0.805	987	2160			6.8	12.7			32	1	0.00			<1.8
14	1.281	0.000	0	4080												
15	1.213	0.677	979	4890			7.0	12.0			32	2.0	0.00			
16	1.177	1.420	1133	3510			6.9	10.4			36	0.3	0.00			
17	1.119	1.424	1133	2630	220	250	6.9	10.2	30	27	30	0.4	0.00	<0.1		
18	1.222	1.425	1000	2420			6.7	10.8				1.9	0.00			
19	1.299	1.403	986	5120			6.7	10.4				1.5	0.00			
20	1.387	1.464	1092	7060			6.8	9.7			32	4.3	0.00			<1.8
21	1.297	1.573	1103	6730			7.0	11.7			36	1.8	0.00			
22	1.355	1.587	1224	6660	200	170	6.9	10.8	32	30	34	2.6	0.00	<0.1		
23	1.270	1.586	1110	4650			7.0	10.1				1.4	0.00			
24	1.259	1.594	1118	3360			6.8	10.5				1.2	0.00			
25	1.230	1.595	1118	2660			6.9	11.0				1.8	0.00			
26	1.329	1.581	1111	4490			6.9	10				4.3	0.00			
27	1.344	1.591	1225	4850			6.9	10			32	4.1	0.00			<1.8
28	1.557	1.322	1212	4870			6.7	9.9			32	2.1	0.00			
29	1.748	1.490	1153	31600			7.0	9.4			28	4.1	0.00			
30	1.494	1.525	1078	11600	140	120	6.8	8.8	20	29	32	0.1	0.00			
31	1.449	1.562	1103	7130			6.9	7.8				0.6	0.00			

DATE	MONTHLY TESTS			
	TDS	AMMONIA	NITRATE	BORON
12/16/2010	250	26.0	0.18	240

DATE			
12/22/2010	Copper		
	Lead		ND
	Bis phthalate		DNQ
	alph-BHC		ND
	4,4' -DDT		ND
	2,3,7,8-TCDD		ND

Quarterly Tests	Value in ug/l
Dichlorobromomethane	N/A
Bromoform	N/A
Chlorodibromomethane	N/A
Chloroform	N/A

SPILLS:

Spill on 12/40/2010 off site Salmon Right of Way

30 DAY AVERAGE	BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
	29	359	85	31	394	81

ACUTE TOXICITY

DATE	% Survival
12/8/2010	100%
Rainbow Trout	N/A
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