



MCKINLEYVILLE

COMMUNITY SERVICES DISTRICT

P. O. BOX 2037 • MCKINLEYVILLE, CA 95519 • (707) 839-3251

April 29, 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 March 2010 for McKinleyville Community Services District Wastewater Management Facilities WDID NO. 1B82084OHUM.

The normal discharge of effluent was 31 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.

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 March, that constitutes seven criteria. The BOD results for March 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 March, that constitutes three criteria. The NFR results for March are in compliance.

The requirement for Nitrate as Nitrogen in the effluent is a monthly average of 10mg/L. One test was conducted in March 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 March are as follows. Median was <2 and a Maximum of <2. Five 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 March and is in compliance with 95% survival.

Pollutants of Concern testing was conducted in March and all were in compliance except 4,4'-DDT has an interim limitation of 0.031µg/L and the result for March is 0.262 µg/L.

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

Annual California Toxic Rule testing was conducted in April and the results are attached.

EXHIBITS:

- A. March 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. Annaul CTR and 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.


NORMAN SHOPAY, GENERAL MANAGER

ENCLOSURES
FILE

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

MONTH: MARCH

YEAR: 2010

DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING		pH	(C°) TEMP	B.O.D. mg/L	NFR mg/L	EFFLUENT MONITORING			SETTLABLE SOLIDS	3X5 TOTAL COLIFORM
					B.O.D. mg/L	N.F.R. mg/L					AMMONIA	CL ₂ RES.	RIVER CL ₂ RES		
1	1.174	1.595	1115	3600			6.7	13			32	1.1	0.0		<2
2	1.251	1.582	1113	2980			6.6	13.4			32	0.5	0.0		
3	1.349	1.568	1087	4240			6.6	12.1			30	1.7	0.0		
4	1.230	1.361	1102	3010			6.6	11.1			30	0.5	0.0		
5	1.192	1.150	806	2300	190	170	6.5	11.7	25	28	30	1.6	0.0	<0.1	
6	1.217	1.410	1079	1920			6.7	11.4				2.4	0.0		
7	1.243	1.542	1082	1690			6.7	12.1				0.5	0.0		
8	1.210	1.548	1084	1570			6.8	12.6			30	0.8	0.0		<2
9	1.186	1.556	1090	1530			6.7	11.2			28	0.6	0.0		
10	1.215	1.415	1088	1670			6.6	11.5			30	2.3	0.0		
11	1.178	1.153	808	1570			6.7	11.8			28	3.6	0.0		
12	1.374	1.146	808	1420	210	150	6.7	12.4	23	23	30	3.1	0.0	<0.1	
13	1.315	0.910	804	4890			6.8	11.9				2.3	0.0		
14	1.346	1.137	1092	3220			6.9	9.3				1.4	0.0		
15	1.346	1.137	1092	2550			6.7	10.8			30	1.4	0.0		<2
16	1.156	1.500	1095	2200			6.8	12.2			28	0.4	0.0		
17	1.195	1.569	1101	1830			6.8	11.5			28	0.4	0.0		
18	1.160	1.444	1100	1640			6.7	12.2			28	0.1	0.0		
19	1.130	1.148	803	1440	210	180	7	13.2	31	30	22	0.5	0.0	<0.1	
20	1.143	1.148	809	1140			6.8	12.7				0.1	0.0		
21	1.216	1.143	803	1160			6.7	13.2				0.1	0.0		
22	1.145	1.139	798	1160			6.8	14.0			30	0.9	0.0		<2
23	1.111	1.141	799	1020			7.0	14.0			30	1.4	0.0		
24	1.131	1.111	786	931			6.8	13.7			28	1.3	0.0		
25	1.238	1.100	772	1060			6.7	13.6			28	2.4	0.0		
26	1.186	1.092	768	1990	220	160	6.7	12.6	16	21	24	2.2	0.0	<0.1	
27	1.213	1.094	768	1420			6.5	13				2.3	0.0		
28	1.248	1.095	768	1240			6.6	13.3				2.1	0.0		
29	1.209	1.325	1095	1160			6.6	14.1			28	2.1	0.0		<2
30	1.306	1.544	1093	2740			6.6	12.8			28	1.6	0.0		
31	1.387	1.529	1079	4220			6.8	12.8			28	2.3	0.0		

DATE	MONTHLY TESTS			
	TDS	AMMONIA	NITRATE	BORON
3/8/2010	240	28.0	ND	230

DATE	MONTHLY TESTS	
	Copper	16.1
3/9/2010	Lead	0.2
	Bis phthalate	2
	alpha-BHC	ND
	4,4' -DDT	0.262
	2,3,7,8-TCDD	ND

SIGNATURE:

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

REMARKS:

SPILLS:

None to report

BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
24	226	88	26	242	85

30 DAY AVERAGE

ACUTE TOXICITY

DATE	% Survival
3/9/2010	95%
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
<2
Daily
Maximum
<2

Indicates Permit Exceedance