



# MCKINLEYVILLE

## COMMUNITY SERVICES DISTRICT

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

June 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 May 2010 for McKinleyville Community Services District Wastewater Management Facilities WDD NO. 1B82084OHUM.

The normal discharge of effluent was 14 days of discharge to the Mad River from May 1st until 15:00 on May 14<sup>th</sup> and the remainder of the month to land disposal. The required monitoring and water quality constituents that were tested and were reported were in compliance in May with the exception of Monthly median and daily maximum for total coliform.

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 May, that constitutes seven criteria. The BOD results for May 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 May, that constitutes three criteria. The NFR 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 91 and a Maximum of  $\geq 1600$ . Four samples were collected and the monthly median and daily maximum were both exceeded. The cause of this exceedance was a test result of  $\geq 1600$  which occurred on May 3 and is a direct result of low chlorine residual. A higher residual will be maintained to eliminate this issue.

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 May and is in compliance with 100% survival.

Pollutants of Concern testing was conducted in May and all were in compliance.

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

### EXHIBITS:

- A. May 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 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. Monthly 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: May

YEAR: 2010

DATE	INFLUENT FLOW		EFFLUENT FLOW		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
	MG.D.	MG.D.	MG.D.	MG.D.			B.O.D. mg/L	N.F.R. mg/L						AMMONIA	CL <sub>2</sub> RES.	CL <sub>2</sub> RES.		
1	1,324	1,684	1,684	1,179	3,150	3,150			6.4	14					1.0	0.0		
2	1,352	1,684	1,684	1,179	3,150	3,150			6.8	14.7					0.6	0.0		
3	1,258	1,703	1,703	1,193	2,640	2,640			6.8	14.5				30	0.1	0.0		≥1600
4	1,224	1,716	1,716	1,202	2,160	2,160			6.7	14.3				26	0.1	0.0		
5	1,205	1,712	1,712	1,203	1,970	1,970			6.7	14.3				26	0.1	0.0		
6	1,191	1,557	1,557	1,195	1,740	1,740			6.7	14.7				24	0.2	0.0		
7	1,168	1,557	1,557	934	1,670	1,670	200		6.7	14.7	22	33	26	2.2	0.0	0.0	<0.1	
8	1,165	1,331	1,331	932	1,530	1,530			6.7	15.2				1.5	0.3	0.0		
9	1,182	1,330	1,330	930	1,450	1,450			6.7	15.2				28	0.7	0.0		170
10	1,218	1,325	1,325	931	1,370	1,370			6.6	15.2				26	1.2	0.0		
11	1,154	1,302	1,302	917	1,750	1,750			6.7	15.2				24	0.1	0.0		
12	1,166	1,289	1,289	902	1,570	1,570			6.7	15.1				26	1	0.0		
13	1,134	1,284	1,284	900	1,480	1,480			6.7	15.5				30	2.8	0.0	<0.1	
14	1,121	0,969	0,969	896	1,420	1,420	200	140	6.8	15.9	17	26	30					
15	1,134	0,495	0,495	349														
16	1,181	0,503	0,503	353														
17	1,118	0,930	0,930	1,181					6.8	15.3				32	2.1			13
18	1,090	1,495	1,495	1,182					6.9	15.1				28	0.2			
19	1,083	1,495	1,495	1,183					6.8	15.5				30	4.3			
20	1,052	1,396	1,396	1,015					6.7	16.1				30	10.7			
21	1,068	1,123	1,123	1,020			240	160	7.1	15.7	19	29	30	7.5			<0.1	
22	1,101	0,647	0,647	462														
23	1,136	0,638	0,638	461														
24	1,071	0,889	0,889	1,045					6.9	15.3				28	2.5			<2
25	1,086	1,071	1,071	940					6.8	16.5				28	3.6			
26	1,130	1,117	1,117	948					6.8	15.8				30	2			
27	1,151	1,084	1,084	1,005					6.9	15.6				30	2.3			
28	1,131	1,329	1,329	1,040			190	110	6.9	15.9	6.2	23	30	2.2			<0.1	
29	1,066	1,223	1,223	929											4.0			
30	1,062	1,282	1,282	940											4.6			
31	1,131	1,221	1,221	854											3.2			

MONTHLY TESTS			
DATE	TDS	AMMONIA	NITRATE
5/5/2010	220	16.0	ND
			BORON 190

DATE	Copper	Lead	Bis phthalate	aliph-BHC	4,4'-DDT	2,3,7,8-TCDD Equivalents
5/6/2010	13	ND	4	ND	ND	ND

Quarterly Tests			Value in ug/L
Dichlorobromomethane			N/A
Bromoforn			N/A
Chlorodibromomethane			N/A
Chloroforn			N/A

ACUTE TOXICITY		
DATE	% Survival	
5/4/2010	100%	
Rainbow Trout 5/4/2010		
C. dubia		
N/A		

SIGNATURE: 

REMARKS: 5/14/2010 Discharge to Mad River ended at approximately 15:00

CHRONIC TOXICITY			
TESTED	SURVIVAL		
Minnow	N/A		
C. Dubia	N/A		
Algae	N/A		
TUC			

Total Coliform	
Monthly	91
Daily	Maximum
≥1600	