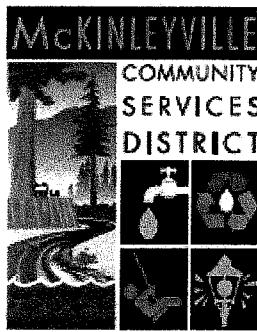


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R.W.Q.C.B. NORTH COAST REGION  
5550 SKYLANE BLVD., SUITE A  
SANTA ROSA, CA 95403

April 26, 2012

**RE: MONTHLY MONITORING REPORT**

Dear Lisa:

Enclosed is the Monthly Monitoring Report for March 2012 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 31 days discharge to M-002 Mad River. The required monitoring and water quality constituents that were tested and reported were in compliance in March.

The requirement for BOD is 45 mg/L, 604 lbs/day and 65% removal for the monthly average and a weekly average limit of 65 mg/L and 873 lbs/day. With five weekly tests in March, that constitutes eight criteria. The BOD results for March are in compliance.

The requirement for NFR is 83 mg/L and minimum of 65% removal for the monthly average. With five 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 10 mg/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 <1.8 and a Maximum of <1.8. Four samples were collected in the month of March and were in compliance.

Monthly River Monitoring was conducted in March.

Acute Toxicity testing was conducted in March. The result for Rainbow Trout was 100% and the survival of *C. dubia* was 100% for a median of 100%.

Annual California Toxic Rule/ semiannual Constituents of Concern testing was completed in February but the 2,3,7,8 TCDD Testing was not included so those lab results are enclosed.

EXHIBITS:

- A. March 2011 Wastewater Management Facilities spreadsheet with the daily, weekly, monthly, and quarterly 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. Acute Toxicity lab report
- G. Annual 2,3,7,8 DCDD analysis

"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: 2012

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.	CL <sub>2</sub> RES	SETTLABLE SOLIDS				
1	1.086	0.914	0.932	738	2300				6.7	9.8				26	3.9	0.00				
2	1.033	1.060	1.060	742	1670			230	190					30				<0.1		
3	1.052	1.056	1.056	741	1700															
4	1.106	1.068	1.068	822	1810														<1.8	
5	1.029	1.079	1.079	810	1750															
6	1.022	1.073	1.073	755	1610															
7	1.006	0.954	0.954	776	1200															
8	0.981	0.825	0.825	579	1090			230	190					30						
9	0.965	0.827	0.827	581	1050															
10	0.997	0.826	0.826	582	1060															
11	1.074	0.899	0.899	815	1250														<1.8	
12	0.946	1.141	1.141	808	3040															
13	1.136	1.146	1.146	803	3520															
14	1.073	1.141	1.141	800	2720															
15	1.142	1.088	1.088	784	10100			210	160											
16	1.396	1.085	1.085	766	11800															
17	1.356	1.109	1.109	782	7520															
18	1.314	1.129	1.129	789	5330														<1.8	
19	1.206	1.128	1.128	791	3720															
20	1.170	1.384	1.384	1131	5690															
21	1.266	1.501	1.501	1140	6210															
22	1.351	1.420	1.420	995	4640			180	180											
23	1.242	1.418	1.418	995	3670															
24	1.274	1.415	1.415	992	3560															
25	1.291	1.432	1.432	1017	3070															
26	1.214	1.605	1.605	1253	2930														<1.8	
27	1.261	1.756	1.756	1228	11500															
28	1.292	1.755	1.755	1234	7350															
29	1.468	1.853	1.853	1413	13500			200	210											
30	2.021	2.034	2.034	1424	14700															
31	1.975																			

**SPLLS:**

None to report

DATE	TDS	AMMONIA	NITRATE	BORON
3/14/2012	240	23.0	ND	220

**30 DAY AVERAGE**

BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
18	191	91	28	277	85

Semi-Annual Tests		Value in ug/l
Bis phthalate		-
alpha-BHC		-
4,4'-DDT		-
carbon tetrachloride		-

Quarterly Tests		Value in ug/l
Dichlorobromethane		-
Bromoborn		-
Chlorodibromethane		-
Chloroborn		-

ACUTE TOXICITY		% Survival
DATE	3/13/2012	100%
	3/13/2012	100%

Rainbow Trout  
C. dubia

SIGNATURE:

REMARKS:

☐ Indicates Permit Exceedance

CHRONIC TOXICITY		TESTED	SURVIVAL
Minnow		-	-
C. Dubia		-	-
Algae		-	-
TUc		-	-

Total Coliform	Monthly Median	Daily Maximum
<1.8	<1.8	<1.8