



McKinleyville Community Services District
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January 28, 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 December 2009 for McKinleyville Community Services District Wastewater Management Facilities WDID NO. 1B82084OHUM.

The normal discharge of effluent was 18 days of discharge to land reclamation and disposal from December 1 through December 18 and 14 day of discharge to the Mad River from December 18 through 31. The required monitoring and water quality constituents that were tested and were reported were in compliance.

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 10mg/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 <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 December and is in compliance with 100% survival.

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

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

A sewer main backup was reported and flow was returned promptly December 18. A small spill in the residence bathroom was contained and cleaned up with no danger of contact with a receiving water. The Regional Board was contacted the same day.

EXHIBITS:

- A. December 2009 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. 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. Pollutants of Concern lab report
- J. Spill Report dated December 18, 2009

"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: DECEMBER

YEAR: 2009

					3X5											
DATE	INFLUENT FLOW MGD	EFFLUENT FLOW MGD	EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING				EFFLUENT MONITORING						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 ₂ RES.	RIVER CL ₂ RES	SETTLABLE SOLIDS		
1	0.910	1.044	737				6.9	9.3				32	3.5			
2	0.932	1.032	721				7.0	9.2				32	3.3			
3	0.921	1.032	723				7.0	9.2				32	3.2			
4	0.890	0.829	785		290		7.0	10.3	29	46		28	3.2		<0.1	
5	0.953	0.614	434													
6	1.010	0.617	437													<2
7	0.923	0.878	755				7.1	7.5				30	3.7			
8	0.919	1.057	741				7.0	7.0				30	3.8			
9	0.912	1.059	743				7.0	6.8				30	3.9			
10	0.910	1.057	741				7.0	6.9				28	3.9			
11	0.892	0.780	734		320		7.1	6.8	32	33		32	3.8		<0.1	
12	0.948	0.565	397													
13	1.021	0.565	397													<2
14	0.926	0.839	768				7.1	8.9				34	2.2			
15	0.981	1.125	992				6.9	8.7				34	1.9			
16	0.998	1.321	995				7.0	10.5				30	1.7			
17	0.950	1.233	863				6.9	9.9				32	5.1			
18	0.944	1.156	858		280		7.1	10.8	31	38		28	3.2		<0.1	
19	0.979	1.416	1113				6.8	11.7					3.3		0.0	
20	1.017	1.580	1113				6.9	11.9					2.1		0.0	
21	1.106	1.284	1110				6.9	11.9				32	2.9		0.0	<2
22	1.059	1.183	832				6.9	11.0				30	3.3		0.0	
23	1.013	1.199	840		260		7.0	9.4	19	25		32	3.5		0.0	<0.1
24	1.002	1.207	855				6.9	9.4					3.8		0.0	
25	0.919	1.229	859				6.8	9.8					2.9		0.0	
26	0.940	1.229	861				6.8	9					3.4		0.0	
27	0.998	1.227	860				7	9.9					3.6		0.0	
28	0.980	1.229	862				6.9	9.1				32	3.1		0.0	<2
29	0.984	1.182	864				6.9	8.7				32	3.7		0.0	
30	0.943	1.037	729		270		6.9	8.9	31	35		32	4.6		0.0	
31	0.972	1.037	727				6.9	9.3				32	4.4		0.0	<0.1

MONTHLY TESTS			
DATE	TDS	AMMONIA	NITRATE
12/21/2009	260	28.0	ND
			BORON
			28

DATE	Copper	18
12/21/2009	Lead	ND
	Bis phthalate	3
	alpb-BHC	ND
	4,4'-DDT	ND
	2,3,7,8-TCDD	ND

SIGNATURE:

REMARKS:

Indicates Permit Exceedance

ACUTE TOXICITY	
DATE	% Survival
12/8/2009	100%

Rainbow Trout

CHRONIC TOXICITY	
TESTED	SURVIVAL
Milnow	N/A
C. Dubia	N/A
Algae	N/A
Tuc	

Total Coliform	
Monthly	Median
<2	
Daily	
Maximum	<2

SPILLS			
12/18/2009: 2346 Sutter Rd. Customer had back up into shower and on bathroom floor.			
BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR LBS/DAY
28	234	90	35
			291
			77

30 DAY AVERAGE			
BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR LBS/DAY
28	234	90	35
			291
			77