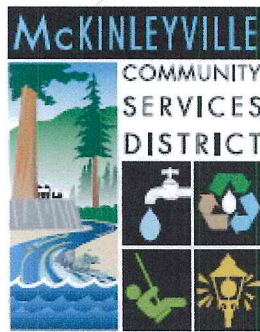


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April 28, 2011

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 March 2011 for McKinleyville Community Services District Wastewater Management Facilities WDID NO. 1B82084OHUM.

The normal discharge of effluent was 31 days discharge to the Mad River. The required monitoring and water quality constituents that were tested and were reported were in compliance in March.

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 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 14. Four samples were collected in the month of March and were in compliance.

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

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


Chronic Toxicity Testing was conducted in February and is being reported in March. The Flathead Minnow and *C. dubia* both exhibited effects to ammonia toxicity. Last year a Toxicity Reduction Evaluation was conducted and ammonia was found to be causing toxicity. MCSD is in the process of determining the most effective means to address ammonia toxicity in the interim and long term through a plant upgrade.

EXHIBITS:

- A. March 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. Laboratory Analysis for Chronic Toxicity Testing
- I. River Monitoring worksheet for R-001 and R-002
- J. Hiller Marsh worksheet for R-004 and R-005
- K. Fischer Ranch Backswamp worksheet R-003

"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: 2011

DATE	INFLUENT FLOW M.G.D.	EFFLUENT FLOW M.G.D.	EFFLUENT MAXIMUM GPM	RIVER CFS	INFLUENT MONITORING B.O.D. mg/L	N.F.R. mg/L	pH	(C°) TEMP	B.O.D. mg/L	NFR mg/L	EFFLUENT MONITORING				SETTLABLE SOLIDS	TOTAL COLIFORM
											AMMONIA	CL ₂ RES.	CL ₂ RES.	RIVER		
1	1,057	1,266	893	1,110			6.7	10.4			28	1.0	0.00	0.00		
2	1,082	1,260	886	1,280			6.6	11.1			30	1.3	0.00	0.00		
3	1,097	1,247	876	3,950			6.6	11			30	1.6	0.00	0.00		
4	1,077	1,245	876	4,100	270	160	6.7	11.0	18	21	30	2.9	0.00	0.00	<0.1	
5	1,195	1,245	875	3,230			6.7	11.1				0.3	0.00	0.00		
6	1,450	1,215	853	9,940			6.8	11.1				0.4	0.00	0.00		14.0
7	1,274	1,229	864	7,350			6.6	11.2			32	0.4	0.00	0.00		
8	1,304	1,233	872	5,950			6.5	11.4			30	1.4	0.00	0.00		
9	1,250	1,266	1,023	5,780			6.5	11.7			30	0.2	0.00	0.00		
10	1,296	1,233	870	4,310			6.7	12.9			32	4.7	0.00	0.00		
11	1,260	1,227	866	5,670	180	160	6.7	12.3	17	22	30	1.4	0.00	0.00	<0.1	
12	1,248	1,238	869	4,080			6.9	12.8				1	0.00	0.00		
13	1,248	1,238	907	3,410			6.8	13.1				2.9	0.00	0.00		
14	1,307	1,245	867	5,950			6.7	12.4			32	3.5	0.00	0.00		<1.8
15	1,241	1,232	871	4,570			6.7	13.5			28	4.2	0.00	0.00		
16	1,411	1,234	851	12,400			6.9	12.0			30	2.3	0.00	0.00		
17	1,436	1,209	926	9,730			6.8	12.1			30	1.5	0.00	0.00		
18	1,376	1,281	1,000	8,310	210	190	6.8	11.5	28	23	30	3.7	0.00	0.00	<0.1	
19	1,519	1,391	1,007	8,940			6.8	10.8				2.7	0.00	0.00		
20	1,617	1,434	1,012	7,080			6.8	11.6				2.3	0.00	0.00		
21	1,688	1,443	1,255	7,080			6.8	11.4			30	1.2	0.00	0.00		<1.8
22	1,658	1,545	1,271	6,440			6.6	11.3			30	1.4	0.00	0.00		
23	1,471	1,810	1,265	5,160			6.6	12.7			28	2.1	0.00	0.00		
24	1,452	1,806	1,259	6,680			6.9	12.6			28	5.1	0.00	0.00		
25	1,741	1,685	1,235	9,080	150	110	6.6	11.1	22	24	28	4.1	0.00	0.00	<0.1	
26	1,839	1,633	1,259	9,080			6.8	11.4				3.7	0.00	0.00		
27	1,870	1,796	1,268	7,460			6.8	12.2			28	2.2	0.00	0.00		
28	1,836	1,810	1,269	7,460			6.6	11.1			28	2.6	0.00	0.00		<1.8
29	1,685	1,809	1,270	5,960			6.6	12.2			28	1.7	0.00	0.00		
30	1,505	1,814	1,278	5,300			6.6	12.2			30	0.7	0.00	0.00		
31	1,435	1,516	1,281	5,940			6.7	12.7			26	0.6	0.00	0.00		

MONTHLY TESTS

DATE	TDS	AMMONIA	NITRATE	BORON
3/10/2011	230	26.0	ND	210

SPILLS:

None to report

30 DAY AVERAGE

BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
21	242	89	23	257	85

DATE	Copper	Lead	Bis. phthalate	aliph-BHC	4,4'-DDT	2,3,7,8-TCDD
3/22/2011			0.65	DNQ	ND	ND

Quantity Tests	Value in µg/l
Dichlorobromomethane	N/A
Bromoforn	N/A
Chlorodibromomethane	N/A
Chloroforn	N/A

DATE	% Survival
3/15/2011	100%

Rainbow Trout
C. dubia

SIGNATURE:

[Signature]

REMARKS:

Indicates Permit Exceedance

TESTED	SURVIVAL
Mintow	2
C. Dubia	1.33
Algae	1
TUG	

Total Coliform
Monthly
MEDIAN
<1.8
Daily
Maximum
14