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

February 25, 2012

**RE: MONTHLY MONITORING REPORT**

Dear Lisa:

Enclosed is the Monthly Monitoring Report for January 2011 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 19 days discharge to reclamation M-005 & 6 and land disposal to M-003. Starting on January 19, 2012 discharge to M-002 Mad River began. The required monitoring and water quality constituents that were tested and were reported were in compliance in January with the exception of a weekly mass emission for BOD and Annual Chronic Toxicity Testing.

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 four weekly tests in January, that constitutes seven criteria. The BOD results for January are in compliance with the exception 1058 lbs/day mass emission on January 27, 2012. This exceedance was seasonal and due entirely to the level of discharge required during an extremely large rain even. Our influent increased by an average of 100% per day and our pond levels increased 9 inches due to the rain. This required an increase to our Effluent discharge by 1million gallons per day for approximately 10 days.

The requirement for NFR is 83 mg/L and minimum of 65% removal for the monthly average. With four weekly tests in January, that constitutes three criteria. The NFR results for January 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 January 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 January are as follows. Median was <1.8 and a Maximum of <1.8. Five samples were collected in the month of January and were in compliance.

Monthly River Monitoring was conducted in January.

Acute Toxicity testing was conducted in January the first test was collected January 11, 2012 and the result for Rainbow Trout was 100% but the survival of *C. dubia* was 0%. Upon notification, Lisa Bernard chose disqualify the *C. dubia* test as we had not started discharge to the Mad River. The follow up test resulted in 95% survival.

Chronic Toxicity testing was conducted in January and the lab results are attached. The District is experiencing ongoing issues associated with ammonia levels and will be pursuing an interim solution.

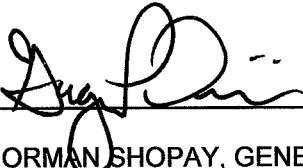
The District has just completed a 20 year Facility Plan and it outlines an upgrade alternative that will address the ammonia toxicity. A Request for Proposals will be issued shortly for design of the upgrades for the facility.

EXHIBITS:

- A. January 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. Chronic Toxicity lab report
- H. Semi Annual Pollutants of Concern and Quarterly Disinfection Byproducts lab report
- I. Well Monitoring Data and Level Sheets

"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.

 FOR  
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NORMAN SHOPAY, GENERAL MANAGER

ENCLOSURES

FILE

**MCKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
MONITORING DATA**

MONTH: JANUARY

YEAR: 2012

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 <sub>2</sub> RES.	CL <sub>2</sub> RES.		
1	0.866	0.458	322												
2	1.003	0.461	323												
3	0.914	0.481	901		7.0	10.4					28	2.1			<1.8
4	0.910	0.079	2637		7.0	9.7					28	1.7			
5	0.902	0.743	875		7.1	10.8					32	0.2			
6	0.875	0.933	886		7	10.2			16	35	32	1		<0.1	
7	0.925	0.562	393												
8	0.971	0.547	391		7.0	8.6					30	4.0			
9	0.910	0.942	862		7.0	8.4					32	1.2			<1.8
10	0.879	1.319	1740		7.0	8.1					30	2.3			
11	0.801	1.267	908		6.9	8.9					28	2.2			
12	0.893	1.234	883		7	8.3			31	42	30	2		<0.1	
13	0.848	0.809	883												
14	0.895	0.407	288												
15	0.935	0.414	295												
16	0.852	0.915	862		7.0	7.8					28	3.5			<1.8
17	0.891	1.218	854		7.1	8.6					32	2.5			
18	0.995	1.120	855		6.9	8.8					26	3.3			
19	1.346	1.016	1059	948	7	11.2					28	4.4	0.00		
20	1.406	1.780	1461	7610	7.1	10.2			25	50	32	1.2	0.00	<0.1	
21	1.446	2.237	1832	19200	7.1	9.7						0.1	0.00		
22	1.319	2.589	1637	6650	7.1	9.7						0.4	0.00		
23	1.185	2.481	1748	6420	7.2	10.0					28	1.4	0.00		<1.8
24	1.112	2.301	1713	3440	7.1	10.1					32	0.2	0.00		
25	1.288	1.909	1574	4220	7.1	10.9					30	1.3	0.00		
26	1.318	1.818	1289	8050	6.9	11.9					28	1.3	0.00		
27	1.210	2.115	1675	5450	6.9	10.4			60	69	32	0.1	0.00	<0.1	
28	1.231	2.188	1654	2970	7.0	11.1						2.3	0.00		
29	1.248	2.026	1537	2120	7.0	10.6						0.8	0.00		
30	1.137	2.012	1407	1780	7.0	11.2					28	1.1	0.00		<1.8
31	1.095	1.532	1413	1540	7.1	11.1					28	2.3	0.00		

SPLLS:

None to report

DATE	TDS	AMMONIA	NITRATE	BORON
1/12/2012	270	25.0	ND	240

30 DAY AVERAGE

BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
33	441	83	49	629	71

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

Quarterly Tests		Value in ug/l
Dichlorobromomethane		ND
Bromofom		ND
Chlorobromomethane		ND
Chlorofom		1.5

ACUTE TOXICITY		% Survival
DATE	1/10/2012	100%
TESTED	1/23/2012	95%
Median		98%

Rainbow Trout  
C. dubia

SIGNATURE:



REMARKS:

Indicates Permit Exceedance

CHRONIC TOXICITY		% Survival
TESTED	1/10/2012	100%
Survival		95%
Median		98%

CHRONIC TOXICITY		% Survival
TESTED	1/10/2012	100%
Survival		95%
Median		98%

Total Coliform

Monthly

Median

<1.8

Daily

Maximum

<1.8