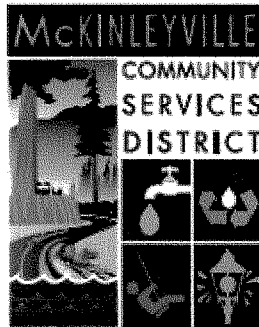


**PHYSICAL ADDRESS:**

1656 SUTTER ROAD  
McKINLEYVILLE, CA 95519

**MAILING ADDRESS:**

P.O. BOX 2037  
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**MAIN OFFICE:**

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

March 29, 2013

**RE: MONTHLY MONITORING REPORT**

Dear Lisa:

Enclosed is the Monthly Monitoring Report for February 2013 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 27 days discharge to Discharge Location 001 Mad River. The required monitoring and water quality constituents that were tested and were reported were in compliance for February.

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 February, that constitutes seven criteria. The BOD results are in compliance.

The requirement for NFR is 83 mg/L, 1108 lbs/day and minimum of 65% removal for the monthly average. With four weekly tests in February, that constitutes three criteria. The NFR results 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 February and was in compliance.

Total Coliform Organisms MPN/100 ml., 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 February are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected and were in compliance.

Acute Toxicity testing was conducted in February. The result for Rainbow Trout was 100% survival and the survival of *C. dubia* was 95%. Monthly testing was in compliance.

Monthly River Monitoring R-001 and 002 was conducted in February.

## February 2013

Discharge Monitoring	001		002		002		004		003		006		005		001	
	M-INF	M-001	M-003	M-003	M-005	M-004	M-007	M-006								
	DATE	INFLUENT MGD	EFFLUENT MGD	MAXIMUM GPM	N.POND MGD	S.POND MGD	FISCHER MGD UPPER	FISCHER MGD LOWER	PIALORSI MGD	HILLER MGD	IRRGATE TOTAL MGD	RIVER MGD				
1	1.050	1.100	823								0.000	1.1				
2	1.000	1.125	823								0.000	1.1				
3	1.054	1.180	825								0.000	1.1				
4	1.007	1.179	826								0.000	1.1				
5	0.987	0.702	826								0.000	0.7				
6	0.991	0.000	0								0.000	0.0				
7	1.009	0.654	991								0.000	0.6				
8	0.998	0.995	859								0.000	0.9				
9	1.060	1.390	1082								0.000	1.3				
10	1.085	1.568	1105								0.000	1.5				
11	1.007	1.597	1123								0.000	1.5				
12	0.987	1.608	1135								0.000	1.6				
13	0.968	1.478	1125								0.000	1.4				
14	0.951	1.205	938								0.000	1.2				
15	0.945	1.089	766								0.000	1.0				
16	0.978	1.087	763								0.000	1.0				
17	0.986	1.093	770								0.000	1.0				
18	0.978	1.092	768								0.000	1.0				
19	0.977	1.098	783								0.000	1.0				
20	0.949	1.091	776								0.000	1.0				
21	0.946	1.088	766								0.000	1.0				
22	0.933	1.085	766								0.000	1.0				
23	0.978	1.081	765								0.000	1.0				
24	1.051	1.085	770								0.000	1.0				
25	0.976	1.083	759								0.000	1.0				
26	0.939	1.086	769								0.000	1.0				
27	0.947	1.087	771								0.000	1.0				
28	0.965	1.073	752								0.000	1.0				
TOTAL	27.702	30.999		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	30.9				
AVERAGE	0.989	1.107	829	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.1				
MAXIMUM	1.085	1.608	1135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.6				
MINIMUM	0.933	0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.0				
DAYS	28	27		0	0	0	0	0	0	0	0					
DAYS WITH NO DISCHARGE = 1																

**McKINLEYVILLE COMMUNITY SERVICES DISTRICT**
**WASTEWATER MANAGEMENT FACILITY**
**RIVER CFS - EFFLUENT FLOWS -**
**M-004**
**RIVER DILUTION**
**M-005**
**M-006**
**February 2013**

<b>DATE</b>	<b>M-INF INFLUENT MGD</b>	<b>M-001 EFFLUENT MGD</b>	<b>EFFLUENT MAXIMUM GPM</b>	<b>M-003 PERK PONDS MGD</b>	<b>M-007 IRRIGATE MGD</b>	<b>M-002 RIVER MGD</b>	<b>RIVER DILUTION 100:1</b>	<b>MAXIMUM G.P.M. DISCHARGE FOR 100:1</b>	<b>RIVER FLOW IN CFS</b>	<b>RIVER FLOW IN GPS</b>
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1	1.050	1.100	823			1.100	660	5431	1210	9052
2	1.000	1.125	823			1.125	605	4982	1110	8304
3	1.054	1.180	825			1.180	555	4578	1020	7631
4	1.007	1.179	826			1.179	520	4296	957	7159
5	0.987	0.702	826			0.702	497	4107	915	6845
6	0.991	0.000	0			0.000	0	4076	908	6793
7	1.009	0.654	991			0.654	430	4264	950	7107
8	0.998	0.995	859			0.995	622	5341	1190	8902
9	1.060	1.390	1082			1.390	423	4578	1020	7631
10	1.085	1.568	1105			1.568	375	4138	922	6897
11	1.007	1.597	1123			1.597	344	3860	860	6434
12	0.987	1.608	1135			1.608	330	3743	834	6239
13	0.968	1.478	1125			1.478	315	3542	789	5903
14	0.951	1.205	938			1.205	363	3402	758	5671
15	0.945	1.089	766			1.089	386	2958	659	4930
16	0.978	1.087	763			1.087	378	2882	642	4803
17	0.986	1.093	770			1.093	365	2810	626	4683
18	0.978	1.092	768			1.092	354	2716	605	4526
19	0.977	1.098	783			1.098	387	3030	675	5050
20	0.949	1.091	776			1.091	460	3568	795	5947
21	0.946	1.088	766			1.088	403	3084	687	5139
22	0.933	1.085	766			1.085	380	2909	648	4848
23	0.978	1.081	765			1.081	413	3160	704	5267
24	1.051	1.085	770			1.085	428	3295	734	5491
25	0.976	1.083	759			1.083	396	3007	670	5012
26	0.939	1.086	769			1.086	368	2832	631	4721
27	0.947	1.087	771			1.087	349	2689	599	4481
28	0.965	1.073	752			1.073	367	2760	615	4601

TOTAL	27.702	30.999		0.000	0.000	30.999				
AVERAGE	0.989	1.107	829	0.000	0.000	1.107	410	3644	812	6074
MAXIMUM	1.085	1.608	1135	0.000	0.000	1.608	660	5431	1210	9052
MINIMUM	0.933	0.000	0	0.000	0.000	0.000	0	2689	599	4481
DAYS	28	27	27	0	0					

**DAYS WITH NO DISCHARGE TO THE MAD RIVER = 1**

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
MONITORING DATA

MONTH: FEBRUARY

YEAR: 2013

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		EFFLUENT MONITORING							3X5 TOTAL COLIFORM		
											pH	(C°) TEMP	B.O.D. mg/L	NFR mg/L	AMMONIA	CL₂ RES.	RIVER CL₂ RES	SETTLABLE SOLIDS		
1	1.050	1.100	1.100	823	1210	230	440				6.7	9.5	31	14	30	2.0	0.00	<0.1		
2	1.000	1.125	1.125	823	1110						7.0	10.8				0.6	0.00			
3	1.054	1.180	1.180	825	1020						7.3	10.4				0.1	0.00			
4	1.007	1.179	1.179	826	957						7.3	10.5			12	0.7	0.00			
5	0.987	0.702	0.702	826	915						7.1	11.1			24	1.5	0.00		<1.8	
6	0.991	0.000	0.000	0	908			Shut down for CCB washdown												
7	1.009	0.654	0.654	991	950						7.0	11.0			28	0.8	0.00			
8	0.998	0.995	0.995	899	1190	280	250				7.0	9.8	24	11	20	2.8	0.00	<0.1		
9	1.080	1.390	1.390	1082	1020						7.3	9.7				2.5	0.00			
10	1.085	1.568	1.568	1105	922						7.3	9.7				2.9	0.00			
11	1.007	1.597	1.597	1123	860						7.4	9.9			24	2.7	0.00			
12	0.987	1.608	1.608	1135	834						7	9.4			20	1.3	0.00			
13	0.968	1.478	1.478	1125	789						7.3	10.1			18	0.3	0.00		<1.8	
14	0.951	1.205	1.205	938	758						6.9	11.2			24	1.7	0.00			
15	0.945	1.089	1.089	766	659	320	500				7.0	10.9	30	16	28	3.1	0.00	<0.1		
16	0.978	1.087	1.087	763	642						7.3	10.4				2.0	0.00			
17	0.986	1.093	1.093	770	626						7.0	10.1				1.1	0.00			
18	0.978	1.092	1.092	768	605						7.0	10.1				1.3	0.00			
19	0.977	1.098	1.098	783	675						7.1	10.3			24	3.2	0.00		<1.8	
20	0.949	1.091	1.091	776	795						7.6	9.7			26	1.3	0.00			
21	0.946	1.088	1.088	766	687						7.3	9.9			26	1.6	0.00			
22	0.933	1.085	1.085	766	648	290	300				7.1	10.0	28	16	28	1.2	0.00	<0.1		
23	0.978	1.081	1.081	765	704						7.0	9.7				0.9	0.00			
24	1.051	1.085	1.085	770	734						7.0	10.1				0.8	0.00			
25	0.976	1.083	1.083	759	670						7.2	10.0			16	1.8	0.00		<1.8	
26	0.939	1.086	1.086	769	631						7	10			28	1.8	0.00			
27	0.947	1.087	1.087	771	599						7	10			26	1.5	0.00			
28	0.965	1.073	1.073	752	615						7.1	11.5			28	1.0	0.00			
29																				
30																				
31																				

DATE	MONTHLY TESTS				BORON
	TDS	AMMONIA	NITRATE		
2/1/2013	260	32.0	ND		170

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

Quarterly Tests		Value in ug/l
Dichlorobromomethane		N/A
Bromoform		N/A
Chlorodibromomethane		N/A
Chloroform		N/A

SPILLS:  
None to report

30 DAY AVERAGE

BOD mg/L	BOD LBS/DAY	BOD % Removal	NFR mg/L	NFR LBS/DAY	NFR % Removal
28	248	90	14	127	96

ACUTE TOXICITY

DATE	% Survival
2/5/2013	100%
2/5/2013	95%

CHRONIC TOXICITY

TESTED	SURVIVAL
Minnow	N/A
C. dubia	N/A
Algae	N/A
	TUC

Total Coliform	Monthly
	MEDIAN
	<1.8
	Daily
	Maximum
	<1.8

SIGNATURE: \_\_\_\_\_

REMARKS: 2/6/2013 Shut down to wash CCB

Indicates Permit Exceedance