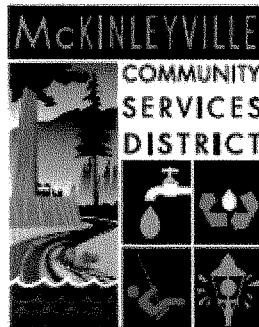


PHYSICAL ADDRESS:

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

March 1, 2013

RE: MONTHLY MONITORING REPORT

Dear Lisa:

Enclosed is the Monthly Monitoring Report for January 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 31 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 January.

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 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 January, 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 January 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 January are as follows. Median was <1.8 and a Maximum of <1.8. Five samples were collected and were in compliance.

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

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

Quarterly Disinfection By-Products testing was conducted in January.

Quarterly Monitoring Well testing was conducted in January.

Annual Chronic Toxicity Testing was conducted in January.

"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.

GREGORY ORSINI, GENERAL MANAGER

ENCLOSURES

FILE

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

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

MONTH: DECEMBER

YEAR: 2013

		INFLUENT FLOW		EFFLUENT FLOW		EFFLUENT MAXIMUM		RIVER		INFLUENT MONITORING		EFFLUENT MONITORING										3X5									
DATE		M.G.D.		M.G.D.		GPM		CFS		B.O.D. mg/L		N.F.R. mg/L		pH		(C°) TEMP		B.O.D. mg/L		N.F.R. mg/L		AMMONIA		CL ₂ RES.		RIVER CL ₂ RES		SETTLABLE SOLIDS		TOTAL COLIFORM	
1		1.164		1.904		1337		1850						6.9	8.6								28	2.0	0.00						
2		1.115		1.906		1339		1600						7.0	8.9								28	2.1	0.00					<1.8	
3		1.112		1.540		1327		1460						7.1	10.3								28	2.0	0.00						
4		1.082		1.268		887		1310		360		270		7.2	8.5			24		18			26	2.4	0.00			<0.1			
5		1.109		1.267		886		1220						7.2	8.1									2	0.00						
6		1.150		1.263		885		1200						7.3	8.4									2	0.00					<1.8	
7		1.075		1.253		880		1140						7.4	8.7								20	1.7	0.00						
8		1.046		1.248		874		1150						7.3	9.2								30	1.9	0.00						
9		1.113		1.237		871		1220						7.3	9.6								28	1.8	0.00						
10		1.147		1.389		1088		1870						7.4	9.4								22	1.8	0.00						
11		1.125		0.764		1090		1850		180		210		7.6	9.5			29		21				22	1.5	0.00		<0.1			
12		1.144		1.089		1209		1670						7.5	8.5										1.4	0.00					
13		1.170		1.727		1220		1460						7.3	8.8								28	1.7	0.00					<1.8	
14		1.081		1.722		1212		1310						7.4	7.7								30	1.8	0.00						
15		1.053		1.710		1205		1170						7.4	8.1								28	1.9	0.00						
16		1.054		1.381		1182		1090						7.3	8.7								28	1.9	0.00						
17		1.050		1.097		770		1150						7.5	8.1								28	1.9	0.00						
18		1.025		1.091		768		1270		250		530		7.4	7.4			30		18			30	1.8	0.00			<0.1			
19		1.055		1.096		770		1270						7.4	8.6										1.3	0.00					
20		1.057		1.092		768		1220						7.2	7.7								30	1.6	0.00					<1.8	
21		1.069		1.088		764		1170						6.9	7.9								30	1.5	0.00						
22		1.034		1.085		760		1150						7.3	8.3								30	1.5	0.00						
23		1.053		1.079		757		1150						7.4	10.1								30	1.4	0.00						
24		1.051		1.070		751		1120						7.2	9.3			32		21			30	1.1	0.00						
25		1.146		1.072		1169		3560		200		160		7.6	9.7								30	1.5	0.00			<0.1			
26		1.114		1.390		1187		2360						7.2	10.3									0.4	0.00						
27		1.068		1.691		1185		2280						7.2	10								30	0.2	0.00					<1.8	
28		1.018		1.695		1188		1950						6.9	9.6								28	1.1	0.00						
29		0.986		1.578		731		1740						6.8	9.6								26	4.5	0.00						
30		0.950		1.045		727		1520						6.9	10.6										0.00						
31		0.954		1.045		732		1350						7.0	10.4								28	3.4	0.00						

MONTHLY TESTS			
DATE	TDS	AMMONIA	BORON
1/7/2013	180	26.0	ND

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

Quarterly Tests		Value in ug/l
Dichlorobromomethane		DNQ
Bromotorm		ND
Chlorodibromomethane		ND
Chlorotorm		0.8

30 DAY AVERAGE

None to report			
BOD	BOD	BOD	NFR
mg/L	LBS/DAY	% Removal	LBS/DAY
29	208	87	139
			92

ACUTE TOXICITY	
DATE	% Survival
1/8/2013	100%
1/8/2013	95%

Rainbow Trout
C. dubia

CHRONIC TOXICITY	
TESTED	SURVIVAL
Minnow	2
C. Dubia	1.3
Algae	1
TUC	

SIGNATURE: _____

REMARKS:

Indicates Permit Exceedance

Total Coliform	
Monthly	Median
<1.8	
Daily	
Maximum	<1.8

**McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
EFFLUENT DISCHARGE DISPOSAL**

JANUARY 2013

Discharge Monitoring	M-INF	M-001		002 M-003	002 M-003	004 M-005	003 M-004	006 M-007	005 M-006		001 M-002
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	1.164	1.904	1337							0.000	1.90
2	1.115	1.906	1339							0.000	1.90
3	1.112	1.540	1327							0.000	1.54
4	1.082	1.268	887							0.000	1.26
5	1.109	1.267	886							0.000	1.26
6	1.150	1.263	885							0.000	1.26
7	1.075	1.253	880							0.000	1.25
8	1.046	1.248	874							0.000	1.24
9	1.113	1.237	871							0.000	1.23
10	1.147	1.389	1088							0.000	1.38
11	1.125	0.764	1090							0.000	0.76
12	1.144	1.089	1209							0.000	1.08
13	1.170	1.727	1220							0.000	1.72
14	1.081	1.722	1212							0.000	1.72
15	1.053	1.710	1205							0.000	1.71
16	1.054	1.381	1182							0.000	1.38
17	1.050	1.097	770							0.000	1.09
18	1.025	1.091	768							0.000	1.09
19	1.055	1.096	770							0.000	1.09
20	1.057	1.092	768							0.000	1.09
21	1.069	1.088	764							0.000	1.08
22	1.034	1.085	760							0.000	1.08
23	1.053	1.079	757							0.000	1.07
24	1.051	1.070	751							0.000	1.07
25	1.146	1.072	1169							0.000	1.07
26	1.114	1.390	1187							0.000	1.39
27	1.068	1.691	1185							0.000	1.69
28	1.018	1.695	1188							0.000	1.69
29	0.988	1.578	731							0.000	1.57
30	0.950	1.045	727							0.000	1.04
31	0.954	1.045	732							0.000	1.04
TOTAL	33.372	40.882		0.000	0.000	0.000	0.000	0.000	0.000	0.000	40.88
AVERAGE	1.077	1.319	984	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.31
MAXIMUM	1.170	1.906	1339	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.90
MINIMUM	0.950	0.764	727	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.76
DAYS	31	31		0	0	0	0	0	0	0	3

DAYS WITH NO DISCHARGE = 0

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

DATE	M-INF INFLUENT MGD	M-001 EFFLUENT MGD	EFFLUENT MAXIMUM GPM	M-003 PERK PONDS MGD	M-007 IRRIGATE MGD	M-002 RIVER MGD	RIVER DILUTION 100:1	MAXIMUM G.P.M. DISCHARGE FOR 100:1	RIVER FLOW IN CFS	RIVER FLOW IN GPS
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1	1.164	1.904	1337			1.904	621	8304	1850	13840
2	1.115	1.906	1339			1.906	536	7182	1600	11970
3	1.112	1.540	1327			1.540	494	6553	1460	10922
4	1.082	1.268	887			1.268	663	5880	1310	9800
5	1.109	1.267	886			1.267	618	5476	1220	9127
6	1.150	1.263	885			1.263	609	5386	1200	8977
7	1.075	1.253	880			1.253	581	5117	1140	8528
8	1.046	1.248	874			1.248	591	5162	1150	8603
9	1.113	1.237	871			1.237	629	5476	1220	9127
10	1.147	1.389	1088			1.389	771	8394	1870	13989
11	1.125	0.764	1090			0.764	762	8304	1850	13840
12	1.144	1.089	1209			1.089	620	7496	1670	12493
13	1.170	1.727	1220			1.727	537	6553	1460	10922
14	1.081	1.722	1212			1.722	485	5880	1310	9800
15	1.053	1.710	1205			1.710	436	5252	1170	8753
16	1.054	1.381	1182			1.381	414	4893	1090	8154
17	1.050	1.097	770			1.097	670	5162	1150	8603
18	1.025	1.091	768			1.091	742	5701	1270	9501
19	1.055	1.096	770			1.096	740	5701	1270	9501
20	1.057	1.092	768			1.092	713	5476	1220	9127
21	1.069	1.088	764			1.088	687	5252	1170	8753
22	1.034	1.085	760			1.085	679	5162	1150	8603
23	1.053	1.079	757			1.079	682	5162	1150	8603
24	1.051	1.070	751			1.070	669	5027	1120	8379
25	1.146	1.072	1169			1.072	1367	15979	3560	26632
26	1.114	1.390	1187			1.390	892	10593	2360	17655
27	1.068	1.691	1185			1.691	867	10279	2290	17131
28	1.018	1.695	1188			1.695	737	8753	1950	14588
29	0.988	1.578	731			1.578	1068	7810	1740	13017
30	0.950	1.045	727			1.045	938	6823	1520	11371
31	0.954	1.045	732			1.045	828	6060	1350	10099

TOTAL	33.372	40.882		0.000	0.000	40.882				
AVERAGE	1.077	1.319	984	0.000	0.000	1.319	698	6782	1511	11304
MAXIMUM	1.170	1.906	1339	0.000	0.000	1.906	1367	15979	3560	26632
MINIMUM	0.950	0.764	727	0.000	0.000	0.764	414	4893	1090	8154
DAYS	31	31	31	0	0	31				

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 0