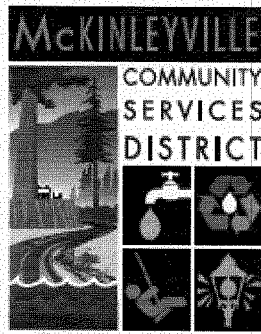


**PHYSICAL ADDRESS:**

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McKINLEYVILLE, CA 95519

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

May 23, 2014

**RE: MONTHLY MONITORING REPORT**

Dear Lisa:

Enclosed is the Monthly Monitoring Report for April 2014 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 April 1<sup>st</sup> – April 18<sup>th</sup> & April 25<sup>th</sup> t- April 30<sup>th</sup> , for 24 days discharge to Discharge Location 001 Mad River. April 18<sup>th</sup> – April 25<sup>th</sup> and including April 30<sup>th</sup> was discharge to M-003,005,006, & 007. The required monitoring and water quality constituents that were tested and reported were in compliance in April.

The requirement for BOD is 45 mg/L, 604 lbs/day and 65 % removal for the monthly average with four weekly tests in April that represent eleven criteria. The BOD results for April are in compliance.

The requirement for TSS is 83 mg/L, 1108 lbs/day and a minimum of 65% removal for the monthly average with four weekly tests in April which represent three criteria. The TSS results for April 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 April 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 April are as follows. Median was <1.8 and a Maximum of <1.8. Four samples were collected in the month of April and were in compliance.

Monthly River Monitoring was conducted in April.

Acute Toxicity testing was conducted in April. The result for Rainbow Trout was 100% survival and the survival of C. dubia was 90%. Monthly testing was in compliance.

Quarterly testing for Monitoring Wells and Disinfection Byproducts was conducted in April.

Semi-annual testing for constituents of concern was conducted in April.

# McKINLEYVILLE COMMUNITY SERVICES DISTRICT WASTEWATER MANAGEMENT FACILITY EFFLUENT DISCHARGE DISPOSAL

APRIL 2014

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	1.032	1.029	929							0.000	1.029
2	0.989	1.334	945							0.000	1.334
3	0.963	1.152	939							0.000	1.152
4	0.940	1.246	1226							0.000	1.246
5	0.956	1.753	1224							0.000	1.753
6	0.999	1.749	1223							0.000	1.749
7	0.923	0.667	1214							0.000	0.667
8	0.898	0.000	0							0.000	0.000
9	0.903	0.453	1815							0.000	0.453
10	0.898	0.828	924							0.000	0.828
11	0.887	1.249	1180							0.000	1.249
12	0.914	1.692	1188							0.000	1.692
13	0.965	1.685	1190							0.000	1.685
14	0.903	1.543	1179							0.000	1.543
15	0.886	1.308	921							0.000	1.308
16	0.879	1.312	920							0.000	1.312
17	0.878	1.163	939							0.000	1.163
18	0.875	0.961	843		0.416					0.000	0.545
19	0.888	0.783	554		0.783					0.000	0.000
20	0.897	0.784	559		0.784					0.000	0.000
21	0.862	0.848	921		0.293	0.473			0.082	0.555	0.000
22	0.842	1.307	929			1.120			0.187	1.307	0.000
23	0.852	1.311	924			1.116			0.195	1.311	0.000
24	0.884	1.053	925			0.861			0.192	1.053	0.000
25	0.873	1.086	973			0.366				0.366	0.720
26	0.857	1.385	983							0.000	1.385
27	0.933	1.378	977							0.000	1.378
28	0.860	1.367	973							0.000	1.367
29	0.834	1.480	1272							0.000	1.480
30	0.839	0.617	965			0.048		0.030		0.078	0.539
31											
TOTAL	27.109	34.523		0.000	2.276	3.984	0.000	0.030	0.656	4.670	27.577
AVERAGE	0.904	1.151	992	0.000	0.569	0.664	0.000	0.030	0.164	0.156	0.919
MAXIMUM	1.032	1.753	1815	0.000	0.784	1.120	0.000	0.030	0.195	1.311	1.753
MINIMUM	0.834	0.000	0	0.000	0.293	0.048	0.000	0.030	0.082	0.000	0.000
DAYS	30	29		0	4	6	0	1	4	6	23
DAYS WITH NO DISCHARGE = 1											

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
RIVER CFS - EFFLUENT FLOWS -

M-005

M-006

M-007

MGD

M

[illegible]

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

INFLUE

M

EFFLUENT

MO

EFFLUENT

MAXIMUM

GPM

M-003

PERK

## PONDS

MGD

M-00

IRRIGA

MGD

M-002

RIVER

MGD

RIVER

## DILUTION

100:1

MAXIMUM

G.P.M.

DISCHARGE

RIVER

FLOW IN

CFS

RIVER

FLOW IN

GPS

[illegible]

TOTAL	27.109	34.523		2.276	4.670	27.577				
AVERAGE	0.904	1.151	992	0.569	0.156	0.919	346	3569	822	5949
MAXIMUM	1.032	1.753	1815	0.784	1.311	1.753	1846	17146	3820	28577
MINIMUM	0.834	0.000	0	0.293	0.000	0.000	0	0	186	0
DAYS	30	29	29	4	5					

DAYS WITH NO DISCHARGE TO THE MAD RIVER = 7

McKINLEYVILLE COMMUNITY SERVICES DISTRICT  
WASTEWATER MANAGEMENT FACILITY  
MONITORING DATA

YEAR: 2014

MONTH: APRIL

DATE	INFLUENT		EFFLUENT		RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING					3X5 TOTAL COLIFORM	
	FLOW M.G.D.	FLOW M.G.D.	FLOW M.G.D.	MAXIMUM GPM		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 <sub>2</sub> RES.	RIVER CL <sub>2</sub> RES.
1	1.032		1.029	929	3820			6.9	13.4			34	4.5	0.00
2	0.989		1.334	945	2930			6.9	12.7			36	0.4	0.00
3	0.963		1.152	939	2350			6.7	13.1			36	0.2	0.00
4	0.940		1.246	1226	1760	190	210	6.8	13.7	29	21	34	3.5	0.00
5	0.956		1.753	1224	1460			6.9	14.1				1.7	0.00
6	0.999		1.749	1223	1220			7	14.9				2	0.00
7	0.923		0.667	1214	1080			6.9	15.2			34	2.8	0.00
8	0.898		0.000	0	972			Washed CCB						<1.8
9	0.903		0.453	1815	860			6.8	14.2			32	0.2	0.00
10	0.898		0.828	924	776			6.6	14.1			30	3.1	0.00
11	0.887		1.249	1180	704	240	580	6.9	14.1	26	21	36	1.5	0.00
12	0.914		1.692	1188	648			6.9	14.9				0.5	0.00
13	0.965		1.685	1190	610			6.9	15.2				1.2	0.00
14	0.903		1.543	1179	569			6.9	15.6			36	2.6	0.00
15	0.886		1.308	921	539			6.8	15.7			32	9.2	0.00
16	0.879		1.312	920	395			6.8	15.4			28	5.4	0.00
17	0.878		1.163	939	289			6.9	15.6			34	3.6	0.00
18	0.875		0.961	843	247	330	290	6.8	14.6	19	18	36	0.1	0.00
19	0.888		0.783	554	223									
20	0.897		0.784	559	210									
21	0.862		0.848	921	188									
22	0.842		1.307	929	186			6.9	15.4			28	3.2	0.00
23	0.852		1.311	924	256			7.0	15.1			34	0.2	0.00
24	0.884		1.053	925	280			6.9	15.3			34	3.5	0.00
25	0.873		1.086	973	415			6.7	14.8			32	0.5	0.00
26	0.857		1.385	983	415	280	280	6.7	15.1	16	19	36	8.2	0.00
27	0.933		1.378	977	350			6.9	15.3				3.3	0.00
28	0.860		1.367	973	350			7	15.4				2.3	0.00
29	0.834		1.480	1272	289			7.0	15.4			38	3.7	0.00
30	0.839		0.617	965	259			7.0	15.8			34	4.9	0.00
31								7.0	17.3			30	4.9	0.00

SPILLS:

None to report

DATE	MONTHLY TESTS			
	TDS	AMMONIA	NITRATE	BORON
4/30/2014	300	28.0	ND	250

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

Quarterly Tests		Value in ug/l
Dichlorobromomethane		ND
Bromoform		ND
Chlorodibromomethane		DNQ
Chloroform		2.64

30 DAY AVERAGE

BOD mg/L	23	BOD LBS/DAY	213	BOD % Removal	91	NFR mg/L	22	NFR LBS/DAY	199	NFR % Removal	93
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ACUTE TOXICITY

DATE	% Survival
4/1/2014	100%
4/1/2014	90%

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:

Indicates Permit Exceedance