

PHYSICAL ADDRESS:

1656 SUTTER ROAD
McKINLEYVILLE, CA 95519

MAILING ADDRESS:

P.O. BOX 2037
McKINLEYVILLE, CA 95519



mckinleyvillecsd.com

MAIN OFFICE:

PHONE: (707) 839-3251
FAX: (707) 839-8456

PARKS & RECREATION OFFICE:

PHONE: (707) 839-9003
FAX: (707) 839-5964

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

January 31, 2012

RE: MONTHLY MONITORING REPORT

Dear Lisa:

Enclosed is the Monthly Monitoring Report for December 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 30 days discharge to reclamation M-005, 6, & 7 and land disposal to M-003. The required monitoring and water quality constituents that were tested and were reported were in compliance in December.

The requirement for BOD is 45 mg/L, for the monthly average, a minimum of 65% removal and a weekly average of 65 mg/L. With five weekly tests in December, that constitutes eight criteria. The BOD results for December are in compliance.

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

Monthly River Monitoring was conducted in December.

Acute Toxicity testing was conducted in December in preparation for discharge to the Mad River. The river did not reach 200 cubic feet per second so there was no discharge to the river.

EXHIBITS:

- A. December 2011 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. BOD and TSS work sheet
- D. River Monitoring worksheet for R-001 and R-002
- E. Lab results for Acute Toxicity testing

"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.

A handwritten signature in black ink, reading "Norman Shopay", is written over a horizontal line.

NORMAN SHOPAY, GENERAL MANAGER

ENCLOSURES

FILE

McKINLEYVILLE COMMUNITY SERVICES DISTRICT
WASTEWATER MANAGEMENT FACILITY
MONITORING DATA

YEAR: 2011

MONTH: DECEMBER

DATE	INFLUENT FLOW		EFFLUENT FLOW	EFFLUENT MAXIMUM	RIVER CFS	INFLUENT MONITORING		EFFLUENT MONITORING							3X5		
	M.G.D.	M.G.D.				B.O.D. mg/L	N.F.R. mg/L	pH	(°) TEMP	B.O.D. mg/L	NFR mg/L	AMMONIA	CL ₂ RES.	RIVER CL ₂ RES.	SETTLABLE SOLIDS	TOTAL COLIFORM	
1	0.866	1.339	960				400	490	6.8	10.1			30				
2	0.851	0.927	1007						7.2	11.0	17	31	24				<0.1
3	0.909	0.592	430														
4	0.949	0.637	462														
5	0.882	1.087	940						6.9	8.7			30				<1.8
6	0.860	1.352	964						7	8.5			36				
7	0.869	1.347	929						7.1	8.8			36				
8	0.867	1.362	974						7.0	8.2			34				
9	0.842	0.966	977				300	250	7.1	7.7	26	42	34				<0.1
10	1.000	0.686	481														
11	1.072	0.684	481														
12	1.012	1.049	930						7.1	7.9			34				<1.8
13	0.974	1.357	963						7.3	7.6			30				
14	0.982	1.348	963						7.2	8.8			34				
15	0.986	1.353	962						7.2	9.8			30				
16	0.742	0.971	963				250	240	7.2	9.8	19	46	30				<0.1
17	0.968	0.582	409														
18	1.008	0.583	410														
19	0.980	1.039	954						7.3	8.4			30				<1.8
20	0.962	1.364	980						7.1	8.2			32				
21	0.952	1.332	984						7.2	9.6			32				
22	0.864	1.026	1043				350	320	7.4	8.3	31	40	34				<0.1
23	0.956	0.881	615														
24	1.014	0.882	618														
25	0.926	0.884	617														
26	1.002	0.883	618														
27	0.974	1.117	897						7	8.5			32				<1.8
28	0.966	1.309	929						7.0	9.4			36				
29	0.953	1.296	925				280	210	6.7	10.5	32	46	34				<0.1
30	1.064	0.782	889						6.7	11.2			32				
31	1.017	0.458	324														

SPILLS:

None to report

DATE	MONTHLY TESTS			BORON
	TDS	AMMONIA	NITRATE	
12/21/2011	280	31.0	ND	180

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

30 DAY AVERAGE

BOD mg/L	25	BOD LBS/DAY	221	% Removal	92	NFR mg/L	41	NFR LBS/DAY	358	% Removal	85
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ACUTE TOXICITY

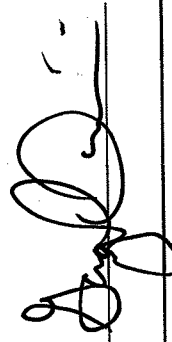
DATE	% Survival
Rainbow Trout	N/A
C. dubia	N/A

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

DECEMBER 2011

[illegible]