



**BEAR VALLEY
WATER DISTRICT**

P.O. Box 5027
Bear Valley, CA 95223
(209) 753-2112

BOARD OF DIRECTORS:
JIM D. BISSELL
PHILL A. COFFMAN
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GUNNAR THORDARSEN

17 January 2012

Victor Vasquez

CVRWQCB

11020 Sun Center Drive #200

Rancho Cordova, CA 95670-6114

Subject: Order R5-2011-0053, Self-Monitoring Report (SMR), December 2011

Dear Mr. Vasquez:

Monthly Report, Waste Discharge Requirements, Order R5-2011-0053

Enclosed please find tabular summaries of monitoring data from the Bear Valley Wastewater Treatment Facility for the month of December 2011. No effluent was discharged to Bloods Creek during this reporting period.

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The daily and total influent and Bloods Creek discharge flow totals and routine influent monitoring results from the influent composite sampler are presented, as well as routine Bloods Creek monitoring data. Please note that, pursuant the MRP, Bloods Creek monitoring is only required during periods of discharge, but we are voluntarily reporting this data.

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The weekly Polishing Reservoir Volume Remaining, Polishing Reservoir Volume Surface Elevation, and Polishing Reservoir Freeboard Remaining data are presented, as well as results from General Mineral sampling done on 19 December.

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We transferred 0.184 MG of effluent from the Treatment Pond to the Polishing Reservoir during the month of December. Routine Treatment Pond effluent monitoring data is presented.

Bear Valley Water District
Order R5-2011-0053
SMR December 2011

Please do not hesitate to contact me at (209) 753-2112 if there are any questions.

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 I 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.

Respectfully,



Guy West
Interim Chief Plant Operator

cc: Board of Directors
Gary Ghio, District Engineer
Michael Fischer, RWQCB

Enclosures

BEAR VALLEY WASTE WATER TREATMENT FACILITY

Monitoring and Reporting Program No. R5-2011-0053

Alpine County

Month: **December** Year: **2011**

INFLUENT MONITORING (INF-001)												NPDES BLOODS CREEK (RSW-001)			
Day	Daily Flow (MGD)	BOD ₅ (mg/L)	pH Avg (SU)	pH Max (SU)	pH Min (SU)	E C (umhos/cm)	TSS (mg/L)	BOD ₅ (lbs/day)	TSS (lbs/day)	Daily Precipitation (Inches)	Snow Water Content (Inches)	Discharge to Bloods Creek (MGD)	Bloods Creek Flow (MGD)	Dissolved Oxygen (mg/L)	pH (SU)
1	0.006		6.9	8.3	6.5					0.03	1.91	0.000	<0.300		
2	0.009		6.9	7.5	6.5					0.00	2.15	0.000	<0.300		
3	0.021		6.9	8.3	6.2					0.00	2.27	0.000	<0.300		
4	0.027		6.6	7.5	6.2					0.00	2.27	0.000	<0.300	5.94	6.83
5	0.016	97	6.6	7.6	6.2	265	88	13	12	0.00	-	0.000	<0.300		
6	0.009		6.7	7.4	6.4					0.00	2.15	0.000	<0.300		
7	0.013		6.7	7.8	5.9					0.00	2.15	0.000	<0.300		
8	0.012		6.8	7.7	6.3					0.00	2.15	0.000	<0.300		
9	0.013		6.8	7.7	6.3					0.00	2.03	0.000	<0.300		
10	0.017		6.6	7.6	6.1					0.00	2.03	0.000	<0.300	2.88	6.55
11	0.013		6.6	8.2	6.1					0.00	2.15	0.000	<0.300		
12	0.013		6.7	7.6	5.9					0.00	2.15	0.000	<0.300		
13	0.017		6.5	7.5	6.2					0.00	2.15	0.000	<0.300		
14	0.013		6.7	7.6	6.1					0.00	2.15	0.000	<0.300		
15	0.016		6.8	12.2	6.1					0.00	2.15	0.000	<0.300		
16	0.015		6.7	8.2	5.9					0.00	2.03	0.000	<0.300		
17	0.024		6.8	8.4	6.0					0.00	2.03	0.000	<0.300		
18	0.026		6.7	8.1	6.0					0.00	2.03	0.000	<0.300	4.69	6.55
19	0.024	250	7.0	8.4	6.2	686	249	50	49	0.00	2.03	0.000	<0.300		
20	0.027		7.3	9.1	4.621*					0.00	2.03	0.000	<0.300		
21	0.031		7.1	8.6	6.9					0.00	2.03	0.000	<0.300		
22	0.027		7.8	9.3	6.9					0.00	2.03	0.000	<0.300		
23	0.034		7.8	8.7	7.3					0.00	2.03	0.000	<0.300	10.28	6.62
24	0.043		7.9	8.9	6.6					0.00	1.91	0.000	<0.300		
25	0.049		8.0	8.8	7.1					0.00	1.91	0.000	<0.300		
26	0.051		7.8	8.8	6.3					0.00	1.91	0.000	<0.300		
27	0.057		7.9	9.0	6.2					0.00	1.91	0.000	<0.300		
28	0.058		8.3	9.0	7.3					0.00	1.91	0.000	<0.300		
29	0.061		8.1	9.0	6.6					0.00	1.91	0.000	<0.300		
30	0.061		8.6	9.4	7.4					0.00	1.91	0.000	<0.300	5.64	6.62
31	0.079		8.6	9.3	7.8					0.00	1.91	0.000	<0.300		
Total	0.884									0.03		0.000	<0.300		
Max	0.079	250.0	8.6	12.2	7.8	686	249	50	49	0.03	2.27	0.000	<0.300	10.28	6.83
Min	0.006	97.0	6.5	7.4	5.9	265	88	13	12	0.00	1.91	0.000	<0.300	2.88	6.55
Avg	0.029	173.5	7.2	8.4	6.4	476	169	31	31	0.00	2.05	0.000	<0.300	5.89	6.63

NOTE: Minimum reading on 12-20 off due to calibration of probe on that day

BEAR VALLEY WASTEWATER TREATMENT FACILITY

Monitoring and Reporting Program No. R5-2011-0053

Alpine County

Month: **December** Year: **2011**

Polishing Reservoir Surface													
Day	Reservoir Volume Remaining (MG)	Reservoir Volume Surface Elevation (Feet)	Freeboard (Feet) Total Depth: 23.5 ft	Aluminum (mg/L)	Boron (mg/L)	Chloride (mg/L)	Copper (mg/L)	Fluoride (mg/L)	Hardness (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Sodium (mg/L)
1		7071.1	14.9										
2		7071.1	14.9										
3		7071.1	14.9										
4		7071.1	14.9										
5	45,906,921	7071.1	14.9										
6		7071.1	14.9										
7		7071.1	14.9										
8													
9		7071.1	14.9										
10													
11	45,906,921	7071.1	14.9										
12													
13													
14													
15													
16													
17													
18	45,906,921	7071.1	14.9										
19				0.21	0.011	6.7	0.0018	<0.1	18	0.71	0.00017*	0.063	5.4
20													
21													
22													
23	45,906,921	7071.1	14.9										
24													
25													
26													
27													
28													
29													
30	45,906,921	7071.1	14.9										
31													
Total													
Max	45,906,921	7071.1	14.9	0.210	0.011	6.700	0.0018	<0.1	18.000	0.710	0.00017	<0.020	5.4
Min	45,906,921	7071.1	14.9	0.210	0.011	6.700	0.0018	<0.1	18.000	0.710	0.00017	<0.020	5.4
Avg	45,906,921	7071.1	14.9	0.210	0.011	6.700	0.0018	<0.1	18.000	0.710	0.00017	<0.020	5.4

* Includes J-Flag Estimated Concentrations below SIP Reporting Levels

BEAR VALLEY WASTEWATER TREATMENT FACILITY

Monitoring and Reporting Program No. R5-2011-0053

Alpine County

Month: **December**

Polishing Reservoir Surface														
Day	Flow (MGD)	DO (mg/L)	pH (SU)	BOD (mg/L)	TSS (mg/L)	Turbidity (NTU)	Total Chlorine Residual (mg/L)	NH3-N (mg/L)	TKN (mg/L)	NO3-N (mg/L)	Total Nitrogen (mg/L)	TC (MPN/100 ml)	FC (MPN/100 ml)	TDS (mg/L)
1	0.000													
2	0.000													
3	0.000													
4	0.000	11.02	7.4			4.32								
5	0.000													
6	0.000													
7	0.000													
8	0.000													
9	0.000													
10	0.000	9.95	7.5			4.83								
11	0.000													
12	0.000													
13	0.000													
14	0.000													
15	0.000													
16	0.000													
17	0.000	2.01	6.8			6.82								
18	0.000													
19	0.184			4.5	2.9		4.984	1	3.5	0.24	4.74	2	<2	57
20	0.000						4.796							
21	0.000													
22	0.000													
23	0.000	15.15	8.4			4.49								
24	0.000													
25	0.000													
26	0.000													
27	0.000													
28	0.000													
29	0.000													
30	0.000	16.23	10.0			2.99								
31	0.000													
Total	0.184													
Max	0.184	16.2	10.0	4.5	2.9	6.8	4.984	<0.50	<1.0	0.24	4.74	2	<2	57.0
Min	0.000	2.0	6.8	4.5	2.9	3.0	<0.004	<0.50	<1.0	0.24	4.74	2	<2	57.0
Avg	0.006	10.9	8.0	4.5	2.9	4.7	0.060	<0.50	<1.0	0.24	4.74	2	<2	57.0