



**BEAR VALLEY
WATER DISTRICT**

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

10 November 2009

Oscar Biondi
CVRWQCB
11020 Sun Center Drive #200
Rancho Cordova, CA 95670-6114

Subject: Order R5-2005-0139, Self Monitoring Report, October 2009

Dear Mr. Biondi:

Monthly Report, NPDES Requirements, Order R5-2005-0139

Enclosed please find tabular summaries of monitoring data from the Bear Valley Wastewater Treatment Facility for the month of October 2009. No effluent was discharged to Bloods Creek during this reporting period.

While we are pleased to report full compliance with effluent limitations this reporting period, we do note that Treatment Pond sampling for DO and pH was not performed the week of 10/11-10/17. This occurred due to an inadvertent oversight and this failure will not be repeated. Weekly influent flow-proportional composite sampling per Order R5-2005-0139 continues.

Discharge from the Treatment Pond to the Storage Reservoir at a flowrate of 30 gpm commenced 15 October. This flowrate results in a 30-minute chlorine contact period. Draft design for provision of the 12,000-gallon tank required to obtain 30-minute contact time at 400 gpm has been completed, and final drawings will be submitted as soon as available. Please do not hesitate to contact me at (209) 753-2112 if there are any questions.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Respectfully,

Julio S. Guerra
General Manager

cc: Board of Directors
Gary Ghio, District Engineer
Mary Boyd, RWQCB

Enclosures

BEAR VALLEY WASTE WATER TREATMENT FACILITY

Monitoring and Reporting Program No. 5-01-208 & R5-2005-0139
Alpine County

Month: **October**
Year: **2009**

INFLUENT MONITORING						NPDES	TREATMENT POND		
Day	Daily Flow (MGD)	BOD ₅ (mg/L)	pH (SU)	Electrical Conductivity (umhos/cm)	Total Suspended Solids (mg/L)	Discharge to Bloods Creek (MGD)	Dissolved Oxygen (mg/L)	pH (SU)	Freeboard (0.1 ft)
1	0.020		7.1			0.000			3.0
2	0.024		7.2			0.000			3.0
3	0.028		7.4			0.000			
4	0.028		8.2			0.000			
5	0.024		7.3			0.000			
6	0.029	316	7.1	645	422	0.000			
7	0.017		7.9			0.000	10.4	7.8	2.8
8	0.019		7.6			0.000			
9	0.019		7.1			0.000			
10	0.027		7.0			0.000			
11	0.024		7.4			0.000			
12	0.018		7.7			0.000			
13	0.049	168	7.8		179	0.000			
14	0.031		6.8			0.000			
15	0.027		7.0			0.000			
16	0.020		6.9			0.000			
17	0.030		7.6			0.000			
18	0.027		7.7			0.000			2.8
19	0.020		7.6			0.000			
20	0.016	184	7.1		130	0.000			
21	0.015		7.0			0.000	12.6	7.0	
22	0.018		7.1			0.000			
23	0.018		7.1			0.000			3.3
24	0.021		7.2			0.000			
25	0.019		7.4			0.000			
26	0.013		7.1			0.000			3.4
27	0.014	550	7.2		733	0.000			
28	0.014		6.4			0.000	13.0	7.5	
29	0.017		7.7			0.000			
30	0.014		7.3			0.000			
31	0.015		6.0			0.000			
Total	0.677					0.000			
Max	0.049	550	8.2	645	733	0.000	13.0	7.8	3.4
Min	0.013	168	6.0	645	130	0.000	10.4	7.0	2.8
Avg	0.022	305	7.3	645	366	0.000	12.0	7.4	3.0

BEAR VALLEY WASTEWATER TREATMENT FACILITY

Monitoring and Reporting Program No. 5-01-208 & R5-2005-0139

Alpine County

Month: **October**

Year: **2009**

Treatment Pond Effluent Monitoring									Storage Pond						
Day	Flow (MGD)	BOD (mg/L)	Settleable Solids (ml/L/hr)	Total Suspended Solids (mg/L)	Total Coliform Organisms (MPN/100 ml)	Total Kjeldahl Nitrogen (mg/L)	Nitrate-Nitrogen (mg/L)	Total Dissolved Solids (mg/L)	Dissolved Oxygen (mg/L)	pH (SU)	Total Kjeldahl Nitrogen ¹ (mg/L)	Nitrate-Nitrogen ¹ (mg/L)	Total Nitrogen ¹ (mg/L)	Total Dissolved Solids ¹ (mg/L)	Freeboard (Feet) Total Depth: 23.5 ft
1	0.000														
2	0.000														
3	0.000														
4	0.000														
5	0.000														
6	0.000														
7	0.000														
8	0.000														
9	0.000														
10	0.000														
11	0.000														
12	0.000														
13	0.000														
14	0.000	6.4		5.8	<2	18	1.9	200							
15	0.043														
16	0.040		<1												
17	0.044														
18	0.043														
19	0.042														
20	0.044														
21	0.044	8.6		7.1	4				13.6	6.9					23.0
22	0.042														
23	0.045														
24	0.044														
25	0.042														
26	0.041														
27	0.044														
28	0.043								17.6	8.8					23.0
29	0.042														
30	0.044														
31	0.044														
Total	0.732														
Max	0.045	8.6	<1	7.1	4	18	1.9	200	17.6	8.8	-	-	-	-	23
Min	0.000	6.4	<1	5.8	<2	18	1.9	200	13.6	6.9	-	-	-	-	23
Avg	0.023	7.5	<1	6.5	3	18	1.9	200	15.6	7.8	-	-	-	-	23

EMPTY

¹ Total Nitrogen and TDS shall only be conducted in those months when application to disposal area occurs