



**BEAR VALLEY  
WATER DISTRICT**  
P.O. Box 5027  
Bear Valley, CA 95223  
(209) 753-2112

**BOARD OF DIRECTORS:**  
JIM D. BISSELL  
PHILL A. COFFMAN  
JOHN R. DRALLA  
BARBARA J. GOODRICH  
JERRY J. NELSON

**2 August 2011**

**Mary Boyd**  
CVRWQCB  
11020 Sun Center Drive #200  
Rancho Cordova, CA 95670-6114

Subject: Order 5-01-208, Discharge Monitoring Report (DMR), June 2011

Dear Ms. Boyd:

**Monthly Report, Waste Discharge Requirements, Order 5-01-208**

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

During this reporting period the following significant events occurred:

- On 8 June a new transducer to read water level was installed and placed into service on the Treatment Pond;
- On 14 June the creek flow PLC program that controls the outfall valve was updated to incorporate the creek flow model developed last year by Balance Hydrologics and the system was serviced;
- On 15 June the Polishing Reservoir water level was checked by a surveyor and it was determined that our backpressure gage had been misinterpreted and the reservoir level was 2.4 ft higher than we had been recording, on this date we were at 2.1 ft freeboard, not 4.5 ft as we had believed;
- On 17 June the water level in the Polishing Reservoir entered the two-foot freeboard zone;
- On 29 a report on the freeboard excursion was submitted to RWQCB, copy attached for reference.

For your convenience, we discuss each of the attachment pages separately.

**Page 3**

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 and Treatment Pond monitoring results. Please note that the BOD sample for the second week of June was inadvertently not analyzed. To compensate, two BOD samples were collected during the last week of June. The maximum pH reading on 9 June registered 13.876 SU; that reading was likely an equipment malfunction.

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5.031 MG of Treatment Pond effluent was transferred to the Polishing Reservoir during June. Total volume transferred this season (October 2010-present) totals 36.419 MG. That volume represents 34.3% of total

2 August 2011  
Bear Valley Water District  
Order 5-01-208  
DMR June 2011

reservoir volume. As of 30 June, based on reservoir elevation however, our capacity chart showed that there was about 113 MG in the reservoir, which, because the level was at 1-foot freeboard, would constitute 106.6% of reservoir volume. As mentioned in previous reports, and in the Annual Report, we are going to verify reservoir dimensions after this irrigation season, if we can empty it. Due to having collected the composite effluent sample of 31 May on the morning of 1 June, it escaped our notice that we did not have a TDS analysis for June, however there were two TDS samples reported for May.

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We have modified our reporting format to present side-by-side tables of Polishing Reservoir surface and Polishing Reservoir outfall sample tap results for conventional parameters. Additional columns have been added to report turbidity, chlorine residual, and total and fecal coliform results. A surprising development during this reporting period is that chlorine residual, heretofore not detected at the reservoir surface, was observed at the opposite end of the reservoir, 1000 feet from the Treatment Pond effluent outfall. Based on our observations this reporting period, we have included funds for acquisition and installation of a dechlorination system in the FY 11/12 budget.

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Results for metals and other mineral analyses from the Polishing Reservoir are presented. Reported lead and copper concentrations include analyses that resulted in estimated "J-Flag" concentrations that are below the 0.0005 RL from the SIP.

**Page 7**

Receiving water results from a sample collected 16 June 2011 are presented. Reported lead and copper concentrations include analyses that resulted in estimated "J-Flag" concentrations that are below the 0.0005 RL from the SIP.

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  
enclosure

**BEAR VALLEY WASTE WATER TREATMENT FACILITY**

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

Month: **June**  
Year: **2011**

INFLUENT MONITORING												NPDES BLOODS CREEK				TREATMENT POND		
Day	Daily Flow (MGD)	BOD <sub>5</sub> (mg/L)	pH Avg (SU)	pH Max (SU)	pH Min (SU)	E C (umhos/cm)	TSS (mg/L)	BOD <sub>5</sub> (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)	Dissolved Oxygen (mg/L)	pH (SU)	Freeboard (0.1 ft)
1	0.098		6.3	6.6	6.1					0.40	22.19	0.000	24.450					
2	0.088		6.4	6.5	6.1					0.01	22.19	0.000	21.250					
3	0.098		6.1	6.4	5.7					0.00	22.19	0.000	19.200	9.89	7.31	9.9	8.1	2.8
4	0.110		6.1	6.4	5.7					0.38	21.47	0.000	20.000					
5	0.138		6.1	6.4	6.0					0.52	20.99	0.000	43.250					
6	0.133		6.0	6.4	5.7					0.57	20.63	0.000	44.950					
7	0.145	15	6.2	6.6	6.1		18	18	22	0.12	20.39	0.000	47.400					
8	0.155		6.2	6.4	6.1					0.00	19.55	0.000	60.850					2.3
9	0.165		6.2	*	6.0					0.00	18.35	0.000	56.650					
10	0.175		6.1	8.7	6.0					0.00	16.91	0.000	53.600	11.16	7.37	8.2	7.6	
11	0.175		6.2	6.6	6.1					0.00	14.63	0.000	52.400					
12	0.175		6.2	6.7	6.0					0.00	12.71	0.000	52.400					
13	0.178		6.2	6.4	6.0					0.10	10.55	0.000	70.000					2.2
14	0.190		6.2	6.5	6.1		13		21	0.00	8.75	0.000	76.100					2.2
15	0.195		6.2	6.4	6.0					0.00	6.71	0.000	87.767					2.2
16	0.173		6.1	6.3	6.0					0.00	3.83	0.000	80.800					2.2
17	0.193		6.2	6.6	6.0					0.00	1.31	0.000	68.660			10.0	7.7	2.2
18	0.165		6.3	6.5	6.0					0.00	0.47	0.000	61.650	9.95	7.03			2.2
19	0.173		6.4	6.7	6.2					0.00	0.23	0.000	65.100					2.1
20	0.173		6.3	6.6	6.2					0.00	0.00	0.000	73.100					2.1
21	0.175	16	6.3	6.6	6.1		7.7	23	11	0.00	0.00	0.000	69.700					2.1
22	0.175		6.1	6.5	6.0					0.00	0.00	0.000	81.700					2.1
23	0.153		6.2	6.3	6.0					0.00	0.00	0.000	68.600					2.1
24	0.135		6.2	6.3	6.0					0.00	0.00	0.000	63.650	9.88	6.97	4.4	7.0	2.2
25	0.130		5.8	6.1	5.7					0.00	0.00	0.000	50.467					2.2
26	0.123		6.3	6.9	5.7					0.00	0.00	0.000	52.650					2.2
27	0.108		6.3	6.6	6.1					0.00	0.00	0.000	54.050					2.3
28	0.138	27	6.3	6.7	6.1	176	7.5	31	9	0.00	0.00	0.000	48.400					2.4
29	0.165	72	6.2	6.4	5.9		8.4	99	12	0.00	0.00	0.000	86.867	10.32	7.29			2.1
30	0.125		6.1	6.2	6.0					0.00	0.00	0.000	49.033					2.0
Total	4.515									2.10		0.000	1,704.693					
Max	0.195	72	6.4	8.7	6.2	176	18	99	22	0.57	22.19	0.000	87.767	11.2	7.37	10.0	8.1	2.8
Min	0.088	15	5.8	6.1	5.7	176	8	18	9	0.00	0.00	0.000	19.200	9.9	6.97	4.4	7.0	2.0
Avg	0.151	33	6.2	6.6	6.0	176	11	43	15	0.07	8.80	0.000	56.823	10.2	7.19	8.1	7.6	2.2

\* Max reading was 13.876 SU-equipment malfunction

## BEAR VALLEY WASTEWATER TREATMENT FACILITY

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

Alpine County

Month: **June**

Year: **2011**

Treatment Pond Effluent Monitoring															
Day	Flow (MGD)	BOD (mg/L)	BOD <sub>5</sub> (lbs/day)	Settleable Solids (ml/L/hr)	TSS (mg/L)	TSS (lbs/day)	Total Coliform Organisms (MPN/100 ml)	Total Kjeldahl Nitrogen (mg/L)	Ammonia-Nitrogen (mg/L)	Nitrate-Nitrogen (mg/L)	TDS (mg/L)	Turbidity (NTU)	Total Chlorine Residual (mg/L)	Contact Time (mg/minutes)	Chlorine Used (lbs)
1	0.191	11	17.5		13	20.7	<2						5.1	459	7
2	0.154												4.9	550	7
3	0.181			<0.1								6.47	4.8	461	10
4	0.180												4.7	446	8
5	0.178												5.0	485	9
6	0.173												4.8	478	9
7	0.186	11	17.0		12	18.6							5.1	471	7
8	0.187	8.6	13.4		10	15.6	<2						4.6	426	7
9	0.047						<2						4.5	1657	3
10	0.175			<0.1								8.65	4.4	435	8
11	0.178												4.9	473	8
12	0.179												4.7	455	8
13	0.178												4.8	471	8
14	0.182	6.1	9.2		8.5	12.9		7.6	5.6	0.25			5.1	483	9
15	0.178	5.4	8.0		7.1	10.5	<2						5.1	492	9
16	0.180			<0.1			<2						4.6	440	7
17	0.177												4.7	454	9
18	0.178												5.1	491	9
19	0.179												4.7	452	10
20	0.184			<0.1									5.0	467	9
21	0.179	6.9	10.3		8.7	13.0							4.7	455	9
22	0.183	17	26.0		8.1	12.4	<2						5.0	467	9
23	0.183						<2						4.8	458	9
24	0.181			<0.1								8.13	5.0	477	9
25	0.182												5.1	487	6
26	0.182												2.5	233	9
27	0.188												3.1	284	7
28	0.000														
29	0.124												4.4	608	5
30	0.186	6.7	10.4	<0.1	5.2	8.1	<2						4.9	451	7
Total	5.031														
Max	0.191	17.0	26.0	<0.1	13.0	20.7	<2	7.6	5.6	0.250	0	8.7	5.1	1657	10
Min	0.000	5.4	8.0	<0.1	5.2	8.1	<2	7.6	5.6	0.250	0	6.5	2.5	233	3
Avg	0.168	9.1	14.0	<0.1	9.1	14.0	<2	7.6	5.6	0.250	#DIV/0!	7.8	4.7	499	8

**BEAR VALLEY WASTEWATER TREATMENT FACILITY**  
Monitoring and Reporting Program No. 5-01-208 & R5-2005-0139

Alpine County

Month: <b>June</b>		Polishing Reservoir Surface													Polishing Reservoir Sample Tap														
Year: <b>2011</b>		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)	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)		
Day	Freeboard (Feet) Total Depth: 23.5 ft																												
1	3.2																												
2	3.2																												
3	3.1													7.5	6.7				1.29	<0.004									
4	3.0																			<0.004									
5	2.9																		1.18	<0.004									
6	2.8																			<0.004									
7	2.7																		1.26	<0.004									
8	2.7																			<0.0075*									
9	2.6																		0.928	0.073*									
10	2.6													7.6	6.8					<0.004									
11	2.4																			0.010									
12	2.2																			0.020									
13	2.2																			<0.004									
14	2.1					0.612	<0.004							6.3	6.6					0.061*									
15	2.1					0.693	<0.004													0.055									
16	2.0			<2	<1	0.553	<0.004	<0.50	<1.0	0.13	1.13	2	2	80			<2	<1	1.60	0.032	1.1	1.8	0.31	2.11	4	<2	27		
17	1.9	9.1	7.0			0.839	0.120*												1.67	0.135									
18	1.7					0.627	0.067													0.083									
19	1.7					0.703	0.097													0.079									
20	1.6					0.895	0.167													0.094									
21	1.6					0.884	0.049													0.079									
22	1.5					1.02	0.129												2.6	<0.004									
23	1.4					1.16	0.078													<0.004									
24	1.4					1.05	0.087							4.9	6.6					0.053									
25	1.3					1.14	0.056													<0.004									
26	1.3					1.1	0.062													<0.004									
27	1.3						0.035												3.62	<0.004									
28	1.2					1.355	<0.004												2.82	<0.004									
29	1.1													5.8	6.8	<2	2.2	2.2	<0.004	2.2					30	30			
30	1.0						<0.004													<0.004	2.2	2.9	0.3	3.2	80	30	55		
<b>Total</b>																													
<b>Max</b>	3.2	9.1	7.0	<2	<1	1.4	0.167	<0.50	<1.0	0.13	1.13	2	2	80.0	7.6	6.8	<2.0	2.2	3.6	0.135	2.2	2.9	0.3	3.2	80	30	55.0		
<b>Min</b>	1.0	9.1	7.0	<2	<1	0.6	<0.004	<0.50	<1.0	0.13	1.13	2	2	80.0	4.9	6.6	<2.0	<1	0.9	<0.004	1.1	1.8	0.3	2.1	4	<2	27.0		
<b>Avg</b>	2.1	9.1	7.0	<2	<1	0.9	0.060	<0.50	<1.0	0.13	1.13	2	2	80.0	6.4	6.7	<2.0	<1.6	1.9	<0.023	1.8	2.4	0.3	2.7	38	21	41.0		

\*-<Note> 6/08: Two samples analyzed for Cl residual: 0.011 mg/L and <0.004 mg/L  
6/09: Three samples analyzed for Cl residual: 0.011 mg/L, 0.056 mg/L, and 0.151 mg/L

6/14: Two samples analyzed for Cl residual: 0.050 mg/L and 0.072 mg/L  
6/17: Two samples analyzed for Cl residual: 0.116 mg/L and 0.127 mg/L

**BEAR VALLEY WASTEWATER TREATMENT FACILITY**  
Monitoring and Reporting Program No. 5-01-208 & R5-2005-0139

Alpine County

Month: <b>June</b> Year: <b>2011</b>		Polishing Reservoir Surface											Polishing Reservoir Sample Tap											
Day	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)	Specific Conductance (um/cm)	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)	Specific Conductance (um/cm)	
1	3.2																							
2	3.2																							
3	3.1																							
4	3.0																							
5	2.9																							
6	2.8																							
7	2.7																							
8	2.7																							
9	2.6																							
10	2.6																							
11	2.4																							
12	2.2																							
13	2.2																							
14	2.1																							
15	2.1																							
16	2.0	<0.050	<0.0016	1.4	0.0006	<0.10	7.90	<0.050	<0.0005	<0.020	1.5	23.6	<0.050	0.004	2.4	0.0025	<0.10	12	0.35	0.0001	0.049	2.6	43.7	
17	1.9																							
18	1.7																							
19	1.7																							
20	1.6																							
21	1.6																							
22	1.5																							
23	1.4																							
24	1.4																							
25	1.3																							
26	1.3																							
27	1.3																							
28	1.2																							
29	1.1																							
30	1.0												<0.050	0.0089	4.4	0.0013		18	0.67	<0.0001	0.08	4.7	71.1	
Total																								
Max	3.2	<0.050	<0.0016	1.40	0.0006	<0.10	7.90	<0.050	<0.0005	<0.020	1.50	23.60	<0.050	0.009	4.4	0.0025	<0.10	18.0	0.7	0.0001	0.080	4.7	71.1	
Min	1.0	<0.050	<0.0016	1.40	0.0006	<0.10	7.90	<0.050	<0.0005	<0.020	1.5	23.60	<0.050	0.004	2.4	0.0013	<0.10	12.0	0.4	<0.0001	0.049	2.6	43.7	
Avg	2.1	<0.050	<0.0016	1.40	0.0006	<0.10	7.90	<0.050	<0.0005	<0.020	1.5	23.60	<0.050	0.006	3.4	0.0019	<0.10	15.0	0.5	0.0001	0.065	3.7	57.4	

<NOTE> Polishing Reservoir surface data are averages of two samples on each sample date.

\* Includes J-Flag Estimated Concentrations Below SIP Reporting Levels

**BEAR VALLEY WASTEWATER TREATMENT FACILITY**  
Monitoring and Reporting Program No. 5-01-208 & R5-2005-0139

Alpine County

Month: <b>June</b> Year: <b>2011</b>		<b>Bloods Creek</b>																				
Day	Bloods Creek Flow (MGD)	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)	Turbidity (NTU)	BOD (mg/L)	TSS (mg/L)	TDS (mg/L)	EC (um/cm)	Ammonia-Nitrogen (mg/L)	Total Kjeldahl Nitrogen (mg/L)	Nitrate-Nitrogen (mg/L)	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)	
1	24.450																					
2	21.250																					
3	19.200																					
4	20.000																					
5	43.250																					
6	44.950																					
7	47.400																					
8	60.850																					
9	56.650																					
10	53.600																					
11	52.400																					
12	52.400																					
13	70.000																					
14	76.100																					
15	87.767																					
16	80.800	0.170	<0.0016	0.5	0.00032	<0.10	20	0.12	0.00013	<0.020	<0.5	2.1	<2.0	3.5	30	28.2	<0.50	<1.0	<0.050	70	13	
17	68.660																					
18	61.650																					
19	65.100																					
20	73.100																					
21	69.700																					
22	81.700																					
23	68.600																					
24	63.650																					
25	50.467																					
26	52.650																					
27	54.050																					
28	48.400																					
29	86.867																					
30	49.033																					
Total	1704.693																					
Max	87.8	0.170	<0.0016	0.50	0.00032	<0.10	20.00	0.120	0.00013	<0.020	<0.5	2.10	<2.0	3.5	30.0	28.20	<0.050	<1.0	<0.050	70.0	13.0	
Min	19.2	0.170	<0.0016	0.50	0.00032	<0.10	20.00	0.120	0.00013	<0.020	<0.5	2.10	<2.0	3.5	30.0	28.20	<0.050	<1.0	<0.050	70.0	13.0	
Avg	56.8	0.170	<0.0016	0.50	0.00032	<0.10	20.00	0.120	0.00013	<0.020	<0.5	2.10	<2.0	3.5	30.0	28.20	<0.050	<1.0	<0.050	70.0	13.0	

\* Includes J-Flag Estimated Concentrations Below SIP Reporting Levels



**BEAR VALLEY  
WATER DISTRICT**  
P.O. Box 5027  
Bear Valley, CA 95223  
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**29 June 2011**

**Mary Boyd**  
CVRWQCB  
11020 Sun Center Drive #200  
Rancho Cordova, CA 95670-6114

Subject: Order 5-01-208, Freeboard Incursion of 17 June 2011

Dear Ms. Boyd:

As you were advised in our telephone contact of 17 June, freeboard in the Polishing Reservoir went to less than two feet on that date. We have kept you apprised of this development with subsequent emails on the 17<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup>, 24<sup>th</sup>, and 27<sup>th</sup> of June. As of this afternoon there is 1.02 feet of freeboard.

To summarize, there was a problem with our gage that has historically been used to determine reservoir water level. On 13 June the snow had cleared enough to assess that we had less freeboard than we thought. On 15 June we engaged a surveyor to read the water surface elevation relative to the spillway, which is at 7085 ft MSL. Based on his reading we learned that our readings were 2.4 ft lower than actual. He determined water elevation to be at 7082.9 ft. MSL, while our gage was interpreted to have read 7080.5 ft MSL on that date.

Below we summarize the daily water elevation and freeboard readings from 15 June forward for your convenience:

15 June:	7082.90 ft	(2.10 ft freeboard)	
16 June:	7082.98 ft	(2.02 ft freeboard)	
17 June:	7083.09 ft	(1.91 ft freeboard)	
18 June:	7083.27 ft	(1.73 ft freeboard)	
19 June:	7083.35 ft	(1.65 ft freeboard)	
20 June:	7083.36 ft	(1.64 ft freeboard)	
21 June:	7083.38 ft	(1.62 ft freeboard)	
22 June:	7083.46 ft	(1.54 ft freeboard)	
23 June:	7083.57 ft	(1.43 ft freeboard)	
24 June:	7083.60 ft	(1.40 ft freeboard)	
25 June:	7083.67 ft	(1.33 ft freeboard)	
26 June:	7083.69 ft	(1.31 ft freeboard)	
27 June:	7083.75 ft	(1.25 ft freeboard)	
28 June:	7083.80 ft	(1.20 ft freeboard)	
29 June:	7083.94 ft	(1.06 ft freeboard)	(0600 hrs)
29 June:	7083.98 ft	(1.02 ft freeboard)	(1620 hrs) (After 2.02 inches rain since 6/28)

29 June 2011  
BVWD  
Freeboard Report

Based on our recorded readings, the overall rate of rise has been 0.0724 ft/day since 15 June. However, the trend was diminishing prior to the unseasonal storm that blew in last night and deposited 2.02 inches of rain according to our rain gage. Were the trend of 0.0724 ft/day to continue, we would have 14 days prior to reaching the spill point. As snow water content has been registered at 0 inches since 20 June at the BLD weather station contiguous with our facilities that is operated by the US Bureau of Reclamation, it appears that we can expect steadily decreasing impact from this record precipitation year.

This is a greater than a one in one hundred return year for precipitation, we are at an unconfirmed total of 88.66 inches while the one in one hundred year mark is 83 inches.

There are no significant surface runoff streams contributing to the reservoir, our main diversion ditch on the east side is working well, directing runoff to the south. It is likely, at this time, that subsurface flows are the main component of the influx we are experiencing.

We do not believe we will lose any effluent out the spillway this year, however, should the reservoir continue to rise and surpass the 7085 ft MSL elevation, we have received permission from the Department of Dam Safety to place sandbags to an elevation of 7087 ft MSL. A copy of the correspondence authorizing this is attached for your records.

We estimate being able to start land application in about three weeks and have doubled the budget allocation for that effort so that we can bring all fields into service this season. We also, as noted in the 2010 Annual Report, have scheduled mapping of the reservoir when the season is over so that we can verify the reservoir volume curve and install an accurate level measuring system.

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  
Loren Harlow, Stoel-Rives  
Victor Vasquez, CVRWQCB  
Michael Fischer, CVRWQCB  
Jim Marshall, CVRWQCB

enclosure

**Subject:** RE: Bear Valley SH Dam  
**Date:** Wednesday, June 29, 2011 9:37:18 AM PT  
**From:** Ordoubigian, Aspet  
**To:** 'Julio Guerra, BVWD', Sutliff, Mike  
**CC:** Gary Ghio, Loren Harlow, Judi Silber, Mangney, Andy J., Roundtree, Austin C.

Julio:

As discussed, you may place two feet of sandbags in the spillway if needed for a 3-week period. The dam has 5.2 of freeboard, so with the sandbags in place, there should still be 3.2 feet of freeboard available. Please inform us when the sandbags are installed and when they are removed.

This authorization is for this year only. If the District anticipates the need for future spillway obstructions, a long-term solution will be required so that adequate freeboard can be maintained year-round.

Thanks,

Aspet Ordoubigian

California Division of Safety of Dams

(916) 227-4635

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**From:** Julio Guerra, BVWD [mailto:[gbearvalleywater@sbcglobal.net](mailto:gbearvalleywater@sbcglobal.net)]  
**Sent:** Wednesday, June 29, 2011 9:24 AM  
**To:** Ordoubigian, Aspet; Sutliff, Mike  
**Cc:** Gary Ghio; Loren Harlow; Directors; Judi Silber  
**Subject:** Bear Valley SH Dam

Aspet,

Pursuant our conversation, our water elevation is at 7083.94 ft MSL this morning. That is 1.06 ft below our spillway at 7085 ft MSL.

Thank you for your consideration in authorizing us to place sandbags to the elevation of 7087 ft MSL.

As I stated, once they are in place, we anticipate leaving them for three weeks. At this time we anticipate not needing them for at least one more week.

We will notify you when we put them up.

Thanks again,

--

Julio S. Guerra  
General Manager  
Bear Valley Water District  
P.O. Box 5027  
Bear Valley, CA 95223  
(209) 753-2112 Office  
(209) 417-4129 Cell  
[gbearvalleywater@sbcglobal.net](mailto:gbearvalleywater@sbcglobal.net)