

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

RESOLUTION NO. R5-2008-0141

AMENDING WASTE DISCHARGE REQUIREMENTS  
ORDER NO. R5-2005-0139 (NPDES PERMIT NO. CA0085146)

BEAR VALLEY WATER DISTRICT  
BEAR VALLEY WASTEWATER TREATMENT FACILITY  
ALPINE COUNTY

The California Regional Water Quality Control Board, Central Valley Region, (hereafter Regional Water Board) finds that:

1. On 20 October 2005, the Regional Water Board adopted Waste Discharge Requirements Order No. R5-2005-0139, prescribing waste discharge requirements for the Bear Valley Wastewater Treatment Facility, Alpine County. For the purposes of this Resolution, the Bear Valley Water District is hereafter referred to as "Discharger" and the Bear Valley Wastewater Treatment Facility is hereafter referred to as "Facility."
2. The Discharger owns and operates a wastewater collection, treatment, and disposal system, and provides sewerage service to the community of Bear Valley, Bear Valley Ski Resort, and Lake Alpine/United States Forest Service. The District serves a permanent resident population of approximately 175. The treatment system consists of a comminutor, biological treatment by aerated ponds, disinfection through chlorination, and an effluent storage reservoir. Secondary treated municipal wastewater is discharged by spray irrigation during summer months (usually June through October) with seasonal discharges to Blood Creek (1 January through 30 June) when there is sufficient flow to allow at least a 20:1 dilution (creek: effluent).
3. In the past, after a wet year, the Discharger has entered the winter season with a substantial amount of water still in its storage reservoir from the previous winter. Consequently, discharges of effluent from the storage reservoir to an unnamed tributary of Bloods Creek have been necessary at the end of some snow melt seasons. The Discharger has attributed the discharges to a combination of a lack of adequate storage capacity, back-to-back wet years, and heavy snowmelt.
4. Since discharges from the storage reservoir to the unnamed tributary of Bloods Creek may occur with little or no dilution, Order No. R5-2005-0139 requires that the wastewater discharged to the storage reservoir receive tertiary treatment and includes the following effluent limitations, which are effective 1 October 2008:

*B1. Effluent Limitations – Discharge to Bear Valley Wastewater Storage Reservoir:*

*Any wastewater discharged to the Bear Valley Wastewater Storage Reservoir after 1 October 2008 must receive tertiary treatment, shall be oxidized, coagulated, filtered, and disinfected, or equivalent treatment provided, and shall not exceed the following limits:*

<i>Constituents</i>	<i>Units</i>	<i>Monthly Average</i>	<i>Weekly Average</i>	<i>7-Day Median</i>	<i>Daily Maximum</i>	<i>Daily Average</i>
<i>BOD</i>	<i>mg/L (ppm)</i>	<i>10</i>	<i>15</i>	<i>--</i>	<i>20</i>	<i>--</i>
<i>Total Suspended Solids</i>	<i>mg/L (ppm)</i>	<i>10</i>	<i>15</i>	<i>--</i>	<i>20</i>	<i>--</i>
<i>Settleable Solids</i>	<i>ml/l</i>	<i>0.1</i>	<i>--</i>	<i>--</i>	<i>0.2</i>	<i>--</i>
<i>Total Coliform</i>	<i>MPN/100ml</i>	<i>--</i>	<i>--</i>	<i>2.2</i>	<i>23</i>	<i>--</i>
<i>Turbidity</i>	<i>NTUs</i>	<i>--</i>	<i>--</i>	<i>--</i>	<i>5</i>	<i>2</i>

5. Based on the current schedule, the Discharger will not meet the compliance date. A major constraint for the Discharger in moving forward with the Facility upgrade to tertiary treatment is funding to complete preliminary engineering work and detailed design of the improvements to the Facility. Because of financial limitations, the Discharger must proceed with forming an assessment district prior to incurring the cost of detailed design. Presently, the Discharger is in the process of pursuing the formation of an assessment district to finance the project and is planning to conduct a pilot study of a tertiary treatment process over the winter of 2008/2009. The assessment district will enable the Discharger to spread the cost of the project equitably and the pilot study will assist the Discharger in eliminating process concerns identified in preliminary design of the tertiary facilities. The process concerns identified are secondary process performance during cold winter months and pre-filtration treatment requirements to protect the filter membranes during periods of high algal productivity.
6. The Discharger has retained legal, bond underwriting, and engineering support in order to establish the assessment district. Following approval of the assessment district, facilities design and bidding will be completed. Construction will be limited to fall 2009 and summer and fall 2010 due to the very short construction season in Bear Valley. System startup is scheduled for fall 2010 with full operation by 1 October 2010.
7. Due to the required time to conduct a pilot study prior to design and the need to develop and obtain approval of an assessment District, the Discharger, by letter dated 2 June 2008, requested an extension of the time schedule. This Resolution amends Order No. R5-2005-0139 to revise the time schedule for adding tertiary treatment to the Facility with full compliance required by 1 October 2010.
8. Issuance of this Order is exempt from the provisions of the California Environmental Quality Act (Public Resources Code section 21000, et seq.), in accordance with CWC section 15321 (a)(2), Title 14, of the California Code of Regulations.

9. The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to amend waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.
10. Any person adversely affected by this action of the Board may petition the State Water Resources Control Board to review this action. The petition must be received by the State Water Resources Control Board, Office of the Chief Counsel, P.O. Box 100, Sacramento, CA 95812-0100, within 30 days of the date on which this action was taken. Copies of the law and regulations applicable to filing petitions will be provided on request.

**IT IS HEREBY ORDERED THAT:**

Waste Discharge Requirements Order No. R5-2005-0139 (NPDES No. CA0085146) is amended solely to revise the time schedule for addition of tertiary treatment to the Facility. This amendment requires changes to Section B1. Effluent Limitations - Discharge to Bear Valley Wastewater Storage Reservoir. Order No. R5-2005-0139 shall be amended to change the compliance date from 1 October 2008 to 1 October 2010, and shall read as follows:

*B1. Effluent Limitations – Discharge to Bear Valley Wastewater Storage Reservoir:*

*Any wastewater discharged to the Bear Valley Wastewater Storage Reservoir after 1 October 2010 must receive tertiary treatment, shall be oxidized, coagulated, filtered, and disinfected, or equivalent treatment provided, and shall not exceed the following limits:*

<i>Constituents</i>	<i>Units</i>	<i>Monthly Average</i>	<i>Weekly Average</i>	<i>7-Day Median</i>	<i>Daily Maximum</i>	<i>Daily Average</i>
<i>Biochemical Oxygen Demand (BOD<sub>5</sub>) 5-day, 20°C</i>	<i>mg/L (ppm)</i>	<i>10</i>	<i>15</i>	<i>--</i>	<i>20</i>	<i>--</i>
<i>Total Suspended Solids</i>	<i>mg/L (ppm)</i>	<i>10</i>	<i>15</i>	<i>--</i>	<i>20</i>	<i>--</i>
<i>Settleable Solids</i>	<i>ml/l</i>	<i>0.1</i>	<i>--</i>	<i>--</i>	<i>0.2</i>	<i>--</i>
<i>Total Coliform</i>	<i>MPN/100ml</i>	<i>--</i>	<i>--</i>	<i>2.2</i>	<i>23</i>	<i>--</i>
<i>Turbidity</i>	<i>NTUs</i>	<i>--</i>	<i>--</i>	<i>--</i>	<i>5</i>	<i>2</i>

I, PAMELA C. CREEDON, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of a Resolution adopted by the California Regional Water Quality Control Board, Central Valley Region, on **11 September 2008**.

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PAMELA C. CREEDON, Executive Officer