

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION**

BOARD ORDER NO. R6T-2004-0028
WDID NO. 6A020009000

REVISED WASTE DISCHARGE REQUIREMENTS

FOR

**SORENSEN'S RESORT
WASTEWATER TREATMENT SYSTEMS**

Alpine County

The California Regional Water Quality Control Board, Lahontan Region (Regional Board) finds:

1. Discharger

The Sorenson's Resort, a Limited Liability Corporation (LLC), is currently operated by John and Patricia Brissenden. For the purposes of this Order, the Sorenson's Resort LLC is referred to as the "Discharger." The Discharger has submitted a complete report of waste discharge for new wastewater treatment and disposal systems for the Sorenson's Resort in Alpine County.

2. Facility

The Sorenson's Resort Wastewater Recycling Plant is the facility from which the discharge will occur and, for the purposes of this Order, is referred to as the "Facility." Upon approval by the South Tahoe Public Utility District (District), the Facility will discharge secondary-treated and disinfected wastewater to the District's Alpine County wastewater export system, and thence to Harvey Place Reservoir and the District's Alpine County recycled wastewater conveyance system, where the recycled water is used for pasture irrigation.

Existing onsite wastewater treatment and disposal systems (septic tanks and subsurface leaching areas) currently serving the Sorenson's Resort will be retained as an alternative "backup" system for the Facility. For the purposes of this Order, the onsite wastewater treatment and disposal systems will henceforth be referred to as "OWTS."

3. History of Previous Regulation by the Regional Board

The Regional Board adopted Board Order No. 6-72-105 on December 19, 1972 to regulate the discharge of domestic wastewater from the Sorenson's Resort to OWTS. Board Order No. 6-95-25, adopted on February 9, 1995, updated waste discharge requirements for the OWTS. The Regional Board has not previously established waste discharge requirements for the Facility, which is a new treatment unit designed for discharge to the District's export pipeline (the portion generally referred to as the "C Line").

4. Reason for Action

The Regional Board is revising waste discharge requirements to regulate the operation of a new wastewater treatment system for the Sorenson's Resort, and to regulate discharges to the existing OWTS that may occur under certain circumstances or emergency conditions as established in this Order. The Facility is not installed at this time. The Discharger, on his own initiative, is in the process of obtaining the necessary approvals to construct and operate the Facility. This Order anticipates that the Discharger will construct the Facility and initiate discharge from the Facility to the District's C Line at the earliest opportunity, contingent on approval by the Regional Board, the District, and Alpine County. This Order therefore establishes waste discharge requirements for the Facility, and authorizes continued use of the OWTS until the discharge to the C Line commences and under specified circumstances thereafter. This update establishes waste discharge requirements for the Facility that are consistent with effluent limitations applicable to wastewater discharged from the District's C Line, as established in Board Order No. R6T-2004-0010, *Updated Waste Discharge Requirements for South Tahoe Public Utility District Wastewater Recycling Plant*, adopted on March 10, 2004.

5. Facility Location

The Sorenson's Resort is located in the Upper West Fork Carson River Hydrologic Unit, and includes Alpine County Assessor's Parcel Numbers 001-040-01, 02, 03 and 01-030-08. The Facility is located at the Sorenson's Resort, approximately one mile east of the junction of Highway 88 and Highway 89, on Highway 88 in Hope Valley, as shown on Attachment A, which is hereby made a part of this Order.

6. Facility and Discharge Description

The Sorenson's Resort is a year-round vacation resort and provides visitors with a variety of services and lodging accommodations. In its present state it consists of 25 individual cabins, one three-unit cabin, one café, and one small laundry facility. The Discharger operates a water supply and distribution system supplied from an onsite water supply well. Based on flow monitoring information submitted by the Discharger, current water consumption rates at the Facility are approximately 4,000 gallons per day (GPD); therefore, wastewater flows are estimated to be generally less than 4,000 GPD.

The Facility consists of an above-ground, skid-mounted modular package treatment plant, "10 CON 3 EEC High Speed Bio System," (manufactured by EEC North America LLC), and appurtenant and accessory equipment, as diagrammed in Attachment B, which is hereby made a part of this Order.

The Facility is described by the system manufacturer in a design report dated May 25, 2004, and is designed to meet secondary wastewater treatment standards for peak flows up to 10,000 GPD. Wastewater discharged to the three existing septic tanks is first pumped to a 3500-gallon flow-equalization tank, and then pumped to the package treatment unit, where it undergoes biological treatment with activated sludge and a free-floating suspended medium for biofilm growth. The biologically-treated wastewater is discharged to a gravity clarifier, and thence through a skim well to a tube settler for clarification. Polymer may be added to assist clarification processes. Sludge collected in the clarifier is recycled into the package treatment unit and/or discharged to a 1500-gallon sludge storage tank that decants free liquids to the flow equalization tank. The