

EXECUTIVE OFFICER'S SUMMARY REPORT  
8:30 a.m., December 10, 2009  
Regional Water Board Office  
David C. Joseph Hearing Room  
5550 Skylane Blvd, Suite A  
Santa Rosa, CA

ITEM: 9

SUBJECT: Public Hearing on Order No. R1-2009-0103, to consider adoption of Waste Discharge Requirements for the **Geysers Power Company LLC, Calpine Corporation At The Geysers**, Buckeye and Wildhorse Development Project.,  
WDID NO. 1B86002RSON

### DISCUSSION

Geysers Power Company, LLC, has submitted a Report of Waste Discharge with a proposal to expand its operations into a new area, known as the Buckeye Development Project, and a previously developed and abandoned geothermal area known as the Wildhorse Development Project. The Buckeye and Wildhorse Development Projects are located in The Geysers between the Aidlin Power Plant to the west and the rest of the Discharger's steamfields and power plants to the east. Activities associated with the proposed Buckeye Development Project include: constructing up to five new well pads, drilling up to 21 geothermal wells, and constructing 2,500 feet of new roads and 6,700 feet of new access corridors for pipelines and similar geothermal infrastructure. Activities associated with the proposed Wildhorse Development Project include constructing up to three new well pads, an undetermined number of new geothermal wells, constructing 3,000 feet of new access roads and 12,600 feet of new access corridors for pipelines and similar geothermal infrastructure, and installing a 21 kilovolt electrical distribution line. The purpose of the project is to generate power and to recharge steam resources within the Geysers Steamfield.

Under Waste Discharge Requirements Order No. R1-2008-0025, the Discharger currently operates power plants at The Geysers and injects: a) geothermal steam condensate and storm water, b) Lake County Sanitation District reclaimed, disinfected, secondary-treated wastewater, c) supplemental surface water from Clear Lake and local streams, d) an insignificant amount of power plant black water, and e) City of Santa Rosa disinfected, tertiary treated wastewater into the geothermal reservoir for the beneficial purpose of improved steam reservoir pressures, steam production, and electricity production.

The proposed Board Order updates Waste Discharge Requirements Order No. R1-2008-0025 for the existing operations and provides Waste Discharge Requirements for the Discharger's proposed Buckeye and Wildhorse Development Projects.

#### PRELIMINARY STAFF

RECOMMENDATION: Adopt the Waste Discharge Requirements, as proposed.