

EXECUTIVE OFFICER'S SUMMARY REPORT
8:30 a.m., July 24, 2008
Regional Water Board Office
Hearing Room
5550 Skylane Blvd, Suite A
Santa Rosa, CA

ITEM: 5

SUBJECT: Order No. R1-2008-0025 to consider adoption of Waste Discharge Requirements for **Geysers Power Company, LLC Calpine Corporation at The Geysers**, Sonoma County, WDID No. 1B86002RSON

DISCUSSION

Geysers Power Company, LLC, has submitted a Report of Waste Discharge with a proposal to increase deliveries of recycled water from the Santa Rosa Subregional Water Reclamation Facility to The Geysers Steamfield to a maximum annual average of 19.8 million gallons per day. The Discharger proposes to construct 4.5 miles of additional conveyance pipeline and injection network, may construct up to six new or converted injection wells, and inject treated wastewater into the injection wells. New injection wells will be constructed on existing drill pads and new pipeline routes will use existing roads and previously approved pipeline routes. The purpose of the project is to generate power and to recharge steam resources within The Geysers Steamfield.

Under Waste Discharge Requirements Order No. R1-2007-0027, 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-23 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. R1-2007-0027 for the existing operations and provides Waste Discharge Requirements for the Discharger's proposed Geysers Expansion Project.

PRELIMINARY STAFF

RECOMMENDATION: Adopt the Waste Discharge Requirements, as proposed.