

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512

March 12, 2004

81-AFC-1C
79-AFC-3C
79-AFC-1C
79-AFC-5C
80-AFC-1C

CALIF ENERGY COMMISSION

MAR 12 2004

RECEIVED IN DOCKETS

Bruce Carlsen
CALPINE CORP.
10350 Socrates Mine Road
Middletown, CA 95461

SUBJECT: APPROVAL OF PETITION TO USE RECLAIMED WASTEWATER AND APPROVAL OF VERIFICATION CHANGES FOR GEYSERS UNIT 3 (80-AFC-1C), UNIT 16 (79-AFC-5C), UNIT 17 (79-AFC-1C), UNIT 18 (79-AFC-3C), UNIT 19 (81-AFC-1C), and UNIT 20 (82-AFC-1C)

Dear Mr. Carlsen:

California Energy Commission (Energy Commission) staff reviewed your petition, received on June 20, 2003, requesting the use of reclaimed municipal wastewater at the six above-referenced Calpine Geysers geothermal power plants. Staff determined that the petition met the criteria of Title 20, California Code of Regulations, section 1769(a)(2), and mailed the enclosed "Notice of Insignificant Project Change" to the Energy Commission's post-certification project mailing list on February 20, 2004. We did not receive any public comments regarding this requested project change within the 14-day public review period; therefore, your requested modification to use reclaimed municipal wastewater for those purposes described in the petition is approved.

Additionally, in accordance with section 1770(d), Energy Commission staff determined that the reporting requirements for each of these power plants will be revised in order to assure that these project modifications will comply with applicable laws, ordinances, regulations, and standards, as well as to monitor the on-going use of the reclaimed wastewater. Therefore, Energy Commission staff approves the revisions to the "verifications" for the following Water Quality, Hydrology, and Water Resources Conditions of Certification:

New text is underlined.

Geysers Unit #3 (80-AFC-1C)
(aka "Sonoma"; licensed as SMUDGeo No. 1)

Condition of Certification #6-5:

Verification: Prior to commencing commercial operation...the above listed mitigation measures. The project owner shall provide the Compliance Project Manager with copies of all local and state water quality permits related to the use and disposal of reclaimed municipal wastewater within thirty (30) days of receipt. In the annual compliance reports, the project owner shall provide the CPM with data on the annual quantity of water reinjected at the facility, and a copy of the report submitted to the California Department of Health Services on the

additional uses of recycled water per Provision #2 of the December 5, 2003 California Department of Health Services approval letter.

**Geysers Unit #16 (79-AFC-5C)
(aka "Quicksilver")**

Condition of Certification #11-10:

Verification: PG&E will submit to the CEC documentation.....construction. The project owner shall provide the Compliance Project Manager with copies of all local and state water quality permits related to the use and disposal of reclaimed municipal wastewater within thirty (30) days of receipt. In the annual compliance reports, the project owner shall provide the CPM with data on the annual quantity of water reinjected at the facility, and a copy of the report submitted to the California Department of Health Services on the additional uses of recycled water per Provision #2 of the December 5, 2003 California Department of Health Services approval letter.

**Geysers Unit #17 (79-AFC-1C)
(aka "Lakeview")**

Condition of Certification #6-2

Verification: Files are available to the CEC and the Public. The NCRWQCB will bring any failure to submit monitoring.....CEC, and NCRWQCB. The project owner shall provide the Compliance Project Manager with copies of all local and state water quality permits related to the use and disposal of reclaimed municipal wastewater within thirty (30) days of receipt. In the annual compliance reports, the project owner shall provide the CPM with data on the annual quantity of water reinjected at the facility, and a copy of the report submitted to the California Department of Health Services on the additional uses of recycled water per Provision #2 of the December 5, 2003 California Department of Health Services approval letter.

**Geysers Unit #18 (79-AFC-3C)
(aka "Socrates")**

Condition of Certification #6-3

Verification: The NCRWQCB shall notify the CEC....enforcement action. The project owner shall provide the Compliance Project Manager with copies of all local and state water quality permits related to the use and disposal of reclaimed municipal wastewater within thirty (30) days of receipt. In the annual compliance reports, the project owner shall provide the CPM with data on the annual quantity of water reinjected at the facility, and a copy of the report submitted to the California Department of Health Services on the additional uses of recycled water per Provision #2 of the December 5, 2003 California Department of Health Services approval letter.

**Geysers Unit #19 (81-AFC-1C)
(aka "Calistoga", licensed as OXY Geothermal No. 1))**

Condition of Certification #6-10:

Verification: Prior to the start of construction....water supply for the power plant and the transmission line. The project owner shall provide the Compliance Project Manager (CPM) with copies of all local and state water quality permits related to the use and disposal of reclaimed municipal wastewater within thirty (30) days of receipt. In the annual compliance reports, the project owner shall provide the CPM with data on the annual quantity of water reinjected at the facility, and a copy of the report submitted to the California Department of Health Services on the additional uses of recycled water per Provision #2 of the December 5, 2003 California Department of Health Services approval letter.

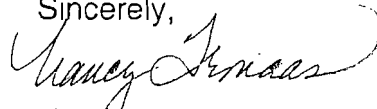
**Geysers Unit #20 (82-AFC-1C)
(aka "Grant")**

Condition of Certification #6-17:

Verification: PGANDE shall annually supply the CEC with a monthly tabulation...power plant site. The project owner shall provide the Compliance Project Manager with copies of all local and state water quality permits related to the use and disposal of reclaimed municipal wastewater within thirty (30) days of receipt. In the annual compliance reports, the project owner shall provide the CPM with data on the annual quantity of water reinjected at the facility, and a copy of the report submitted to the California Department of Health Services on the additional uses of recycled water per Provision #2 of the December 5, 2003 California Department of Health Services approval letter.

The above changes are effective immediately. If you have any questions or need further clarification, please call me at (916) 654-3864, or by e-mail at ntronaas@energy.state.ca.us.

Sincerely,



Nancy Tronaas
Compliance Project Manager

Enclosure

cc: Richard Latteri, Energy Commission
Jerry Salamy, CH2MHill
Robert Brownwood, Calif. Dept. of Health Services
Ali Khan, Calif. Division of Oil, Gas, and Geothermal Resources
Scott Gergus, Calif. Regional Water Quality Control Board, North Coast Region
Marty Isom, Sonoma County Dept. Health Services
Dan Carlson, City of Santa Rosa