

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

JUL 25 2013

Cliff Townsend
Plant Manager
Puna Geothermal Venture (PGV)
P.O. Box 30
Pahoa, Hawai'i 96778

**RE: Puna Geothermal Venture
Class V Geothermal Underground Injection Control Permit # HI596002
Minor Permit Modification - Approval of ChemTreat GG442 as Chemical Additive**

Dear Mr. Townsend:

With this letter, and the enclosed minor permit modification, EPA approves the use of ChemTreat GG442 as a corrosion inhibitor, as requested in your letter of May 17, 2013. In a phone conversation with Ron Quesada of PGV on July 18, 2013, he clarified that ChemTreat GG442 is an Ethoxy Fatty Acid Amine Derivative Corrosion Inhibitor, equivalent to the presently approved Drew 11-480 and ChemTreat Geoguard 452 additives.

This minor modification is reflected in revised "Appendix H - Chemical Additives" of the permit (enclosed); the new additive is highlighted in red. The modified Appendix H and a copy of this letter can also be viewed on the EPA Region 9 website at:
<http://www.epa.gov/region9/water/groundwater/uic-permits.html#puna>

Please call George Robin at (415) 972-3532 if you have any questions regarding this letter or any other Underground Injection Control Program issue.

Sincerely,

Jane Diamond
Director, Water Division

Enclosure

cc: Norris Uehara, HI Department of Health
Eric Tanaka, HI Department of Land and Natural Resources