



State of Idaho

DEPARTMENT OF WATER RESOURCES

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SOUTHERN REGION

DIRK KEMPTHORNE
Governor

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Director

November 25, 2005

US Geothermal Inc
ATTN: Douglas Glaspey
1509 Tyrell Lane Suite B
Boise, ID 83706

RE: App For Transfer 72440

Dear Mr. Glaspey;

I have started reviewing your proposed water transfer, and have several questions. Do you have data supporting the amount of water requested for cooling purposes (rate and volume)? How much waste water will be generated by this project? If you plan to land apply the waste water on land that no longer has irrigation rights, the application will have to include industrial or commercial use to cover these tracts; you can specify all of the presently-irrigated tracts, or just some of them (acres are not needed, just tract designations). Will any water be applied in the tract where the west plant will be located?

The application does not specify a volume for the Raft River rights, since none was specified in the decrees. But volumes will probably needed to be included due to the nature of the transfer. I have entered volume based on the standard consumptive volume for winter wheat (2.49 afa/ac) for the number of acres decreed for each right. This yielded a volume of about 299 acre feet. But according the District 43-B watermaster, these rights are only available for 4 weeks a season or less. On the assumption that this could be a maximum of 31 days, continuous diversion of both rights at the decreed rates yields only 147.5 acre feet. I am still considering how to handle this issue, but wanted to let you know my thinking so far. Feel free to express your opinion on this matter.

I noticed that you only plan to divert Raft River water during the irrigation season. This is fine, but it would probably be more available during the off-season months when priority cuts are not being made. Maybe it is just not practical to run the pump during the winter.

I expect that more questions will come up, but this takes care of my initial concerns.

Regards,

James E. Stanton
Sr. Water Resource Agent