

**SPF**Water Engineering, LLC
water resource consultants**RECEIVED****JAN 14 2008**DEPARTMENT OF
WATER RESOURCES

January 11, 2008

Cherie Padilla, Water Resource Agent
Idaho Department of Water Resources
322 East Front Street
Boise, ID 83720*Subject: Application for Permit 63-32143*

Dear Ms. Padilla,

The purpose of this letter is to respond to three questions outlined in your letter of December 19, 2007. Responses are listed below.

1. *Please demonstrate how the recharge water will mitigate for the consumptive use portion of the application.*

The Ulmer Lane pond is constructed at a depth that intersects the local shallow alluvial aquifer. Pond evaporation and irrigation diversions from the pond are replaced by inflow from the shallow aquifer. The pond is approximately 800 feet from the Boise River; shallow aquifers in this area are in direct hydraulic connection with the Boise River. Without mitigation, a new consumptive use of shallow ground water would reduce Boise River gains in this reach. Maintaining historical diversions of water under water right 63-146 for 4.6 acres (equivalent to 4 acres of irrigation and 0.6 acres of pond evaporation) into the nearby Lakeland Village ponds, and subsequent seepage from these ponds into the same shallow aquifer from which the Ulmer Lane pond receives water, ensures that (a) consumptive losses from the local shallow aquifer are fully replaced and (2) there is no impact to flows in the Boise River.

2. *How will the water used for mitigation be accounted for and is this possible since the pond and measuring devices will not be on the applicant's system?*

Mitigation diversions into the lateral extending into the Lakeland Village ponds from the New Union Canal will continue to be controlled by the New Union ditch rider through the same means previously used for irrigation diversions to the Ulmer Lane and Lakeland Village properties. The headgate for this diversion is near the entrance to the Ulmer Lane property.

3. *Will there be an overflow point where recharge water can no longer be contained in the pond given the system capacity and the flow of irrigation water through the system?*

There will be no overflow point in the Ulmer Lane Pond because there is no active inflow of New Union water (the pond is filled entirely with seepage of shallow ground water).

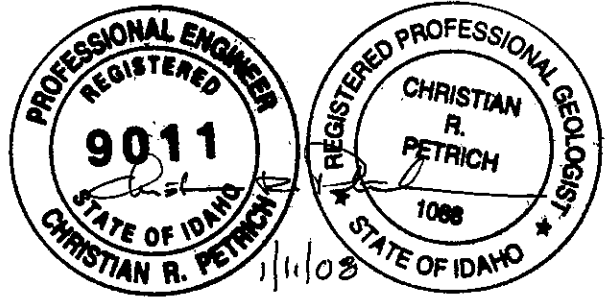
Thank you for the opportunity to respond to your questions – please call me if you have any additional questions.

Sincerely,



Christian R. Petrich, Ph.D., P.E., P.G.
Principal Engineer/Hydrologist

cc: Josh Edwards, Roth Construction



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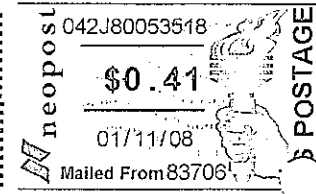
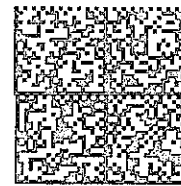
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Water Engineering, LLC
water resource consultants

600 East River Park Lane, Suite 105 · Boise, ID 83706



Cherie Padilla
Idaho Dept. of Water Resources
322 E. Front St.
Boise, ID 83720

83720+0000

