



November 1, 2007

Mr. Dan Nelson
Idaho Department of Water Resources
Western Region
2735 Airport Way
Boise, ID 83705

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WATER RESOURCES
WESTERN REGION

Subject: Application for Permit 63-32499

Dear Mr. Nelson,

Please find attached a water supply evaluation for the Mayfield Townsite area. The evaluation was prepared in response to your letter of May 24, 2007 to Scott King requesting information regarding the sufficiency of supply and potential impacts on existing water rights in this area.

The primary conclusion from the evaluation is that there is likely sufficient water available to supply the uses proposed under application 63-32499. Stable ground water levels suggest that there is water available for appropriation in this area. There is substantial recharge from Indian Creek seepage. The anticipated aggregate net consumptive use falls within the low range of anticipated recharge amounts.

It is unlikely that withdrawals will injure existing rights within the Mountain Home Ground Water Management Area (GWMA) or Cinder Cone Critical Water Management Area (CWMA). Ground water levels within Mountain Home GWMA near the Mayfield Townsite project are currently stable. Ground water flow in the project area is in a general southwesterly direction; withdrawals under the proposed permit will not reduce underflow into the Mountain Home GWMA.

Thank you for the opportunity to provide this analysis – please call me if you have any questions.

Sincerely,

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

cc: Marty Goldsmith
Brian McColl