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August 18, 2006

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DEPT. OF WATER RESOURCES
SOUTHERN REGION

Mr. Cory Skinner
Idaho Department of Water Resources
1341 Fillmore St., Suite 200
Twin Falls, ID 83301-3380

RE: Transfer Applications (4) - Alonzo B. LeaVell

Dear Cory:

Enclosed are transfer applications for the primary ground water right 37-7385B in the name of Alonzo B. LeaVell.

The afore mentioned water right allows ground water usage for irrigation in the amount of 2.48 cfs or 496 afa on 124 acres within the water right's authorized 808 acre permissible place of use. Under the attached contract of sale for a purchased amount of 40 acres (0.80 cfs or 160 afa) from 37-7385B by Mr. LeaVell, 40 acres are to be placed in the Water Supply Bank by the seller, Gary and Helen DeMoss (Figure 1). We are proposing to divide the 40 acres into 4 individual transfers to four portions of a 59 acre property owned by Mr. LeaVell in Gooding County (Figure 2). Of the 40 purchased acres placed in the Water Supply Bank by the seller, the immediate need for irrigation at the site of a proposed subdivision necessitates 15 acres of 37-7385B be rented from the Water Supply Bank. The application to rent 15 acres from the Water Supply Bank on behalf of Mr. LeaVell for 2007 and 2008 has been submitted to IDWR. Upon completion of the 4 enclosed transfers, all 40 acres will be removed from the Water Supply Bank, although only 15 acres will be used during 2007 and 2008.

The first proposed transfer seeks to create a 21.6 acre permissible place of use in which 15.5 acres (0.3 cfs or 62.2 afa) will be used to irrigate a proposed subdivision. The existing points of diversion are two wells and pumps on the 21.6 acres, and 7 new wells will be constructed. The second proposed transfer seeks to create a 4.1 acre permissible place of use in which 2.3 acres (0.05 cfs or 9.2 afa) will be irrigated. Two more wells are to be added to the existing point of diversion (well and pump) on the 4.1 acres. The third proposed transfer seeks to move 2.0 acres (0.05 cfs or 8 afa) for irrigational use. The existing point of diversion on the 2 acre parcel is a well and pump. The fourth proposed transfer seeks to create a 31 acre permissible place of use in which 20.2 acres (0.4 cfs or 80.7 afa) will be used for irrigation from five existing

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wells and pumps. See attached spreadsheet to see our estimated irrigatable area within each transfer area.

Since Mr. LeaVell's properties lie within the boundaries of the Eastern Snake Plain Aquifer, modeling using the Ground-Water Rights Transfer Spreadsheet was undertaken and is attached to this packet. Results show the entire amount of water transferred for all four transfers. The volume of depletion for each model reach falls below the proposed 2 acre-foot rule requested by the attached Jeff Peppersack March 1st, 2006 Memorandum. In addition, a cumulative water volume increase (0.03 acre-feet per annum) would occur in the Snake River.

With the proposed transfers in affect, the predicted percent change in depletion for the Heise/Ashton to Lewisville, Near Shelley to Neeley, and Neeley to Minidoka reaches would be 44.39%, 45.39%, and 45.63% respectively. These large percent changes stem from very small depletion volumes that increase slightly to very small depletion volumes (Table 1). In these reaches, the small amount of predicted depletions should be well within the error of the ESPA model.

Source of % Total Water	% Total Water w/ TFR	% Total Water w/o TFR	% Change in Depletion	Aditional Depletion (AFA)
Heise/Ashton to Lewisville	0.23%	0.16%	44.39%	0.04
Near Shelly to Neeley	3.13%	2.15%	45.39%	0.52
Neeley to Minidoka	3.30%	2.27%	45.63%	0.55
Milner to King Hill	93.34%	95.42%	-2.23%	-1.13
Sum =	100.00%	100.00%		**-0.03**

Table 1: Ground Water Rights Transfer Spreadsheet Results

The large values of % depletion mask the actual small magnitudes of volume change in the Heise/Ashton to Lewisville, Near Shelly to Neeley, and Neeley to Minidoka reaches. These small volume changes should be within error boundaries of the ESPA ground water model, and fall beneath the 2 acre-foot rule proposed by Jeff Peppersack. Our office is proposing that no injury would occur by completing this transfer due to these very small depletions of

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water from three out of the four reaches of the Snake River. Based on these findings, we feel that this transfer should be approved.

Please copy our office on all correspondence regarding this water rights transfer. Enclosed are a limited power of attorney agreement, and a check from Brockway Engineering for the amount of $ 700.00 U.S. dollars to cover the cost of all four transfers. Thank you for your assistance on this matter and if you or the agent handling this transfer has questions or comments, please don't hesitate to call.

Regards,

Zach Latham, Hydrologist

Attachments: (4) Applications for Transfer of Water Right 37-7583B
Figure 1: LeaVell- DeMoss Transfer
Figure 2: LeaVell (Transfers 1-4)
Ground Water Rights Transfer Spreadsheet – Results
LeaVell-DeMoss Purchase Agreement
Limited Power of Attorney
Memorandum- From: Jeff Peppersack, March 1, 2006
Impervious Area Calculations for the 37-7385B transfer
Brockway Engineering Check # 6508

cc: Lonnie LeaVell

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