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DEPT. OF WATER RESOURCES
SOUTHERN REGION

September 22, 2008

Mr. Allen Merritt
Idaho Department of Water Resources
1341 Fillmore Street, Suite 200
Twin Falls, ID 83301

Re: Water right application – Walker Sand & Gravel
Project No. 529-01-2001

Dear Allen:

Enclosed is a new permit application for non-consumptive usage at the Walker Sand & Gravel facility.

A recent exhaustive field exam by Brockway Engineering and review by Aaron Walker of IDWR indicated that the total developed diversion capacity under existing right 37-8136, 37-8532, and 37-20834 was 6.46 cfs. The water rights in combination, accounting for the timing of development of the various wells under each right, are limited to 5.78 cfs. Therefore, additional discharge rate is needed to cover this difference. Also, the field exam found that the existing crushers use all of the water and could utilize additional flow. It is the intent to connect the Old Crusher Well to the system to provide approximately an additional 1,500 gpm as needed. This well was replaced by the New Crusher Well in 2005 and is located just to the east of the new well, but is currently not tied into the system. The total flow rate on the application for industrial use is therefore 0.68 cfs (to cover existing installed capacity) + 3.32 cfs (Old Crusher Well, 1500 gpm) = 4.0 cfs.

This permit application is also intended to cover domestic usage at an existing RV and trailer park used for employee housing. This usage is described in the field exam for 37-20834. IDWR was unable to cover this usage on the existing rights, and so a new permit application is needed. No irrigation occurs at the trailer park.

The water usage configuration at the gravel processing facility has not changed since IDWR approved non-consumptive permit 37-20834 in 2002. Water from the industrial wells is withdrawn for use in the facility for washing gravel and sand. Spent water is directed to an existing recharge pit, where it returns to the aquifer rapidly by infiltration in the gravelly soil. This recharge pond has been in use at least since the original permit 37-8136 was

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acquired in the early 1980s. Another permit, 37-8532, with a priority date of 7/20/1989, also covers the industrial use. Both of these permits were granted prior to the moratorium on new consumptive use water rights. Therefore, any consumptive use which may be inherent in the water use, or which may occur by evaporation from the recharge pit, is covered by these earlier rights. The total area of the recharge pits is about 17 acres, but only a small fraction of this area is used at any given time. The recharge area is located in soil designated by the SCS as the Balaam-Adamson-Riverwash complex. This soil has an infiltration rate ranging from 8 ft/day in the upper layers to over 40 ft/day in cobble layers beginning about 1.5 feet below ground. Assuming 8 ft/day minimum, the total instantaneous well discharge of 6.46 cfs can be recharged with an area of 1.6 acres.

Enclosed is a check for \$410 to cover the permit application fee for 4.1 cfs

Cordially,



Charles G. Brockway, P.E.

Enc.

cc: Jim Walker