

Keen, Shelley

From: Erick Powell [erick.powell@brockwayeng.com]
Sent: Friday, August 26, 2011 5:11 PM
To: Keen, Shelley
Subject: Water Right License 45-13990

Hi Shelley,

Thanks for visiting with me regarding this water right license. As we discussed, the annual diversion volume was not an element of water right permit, therefore while completing the beneficial use exam paperwork, I did not recommend a volume. It is my understanding that IDWR uses a standard 0.6 acft/year for in-house water use and another 0.6 acft/year for irrigation.

I am proposing the following annual volume:

Annual In-House Volume per Home: 0.6 acft/year/home

Number of Homes: 4 homes

Total In-house Volume: 2.4 acft/year

Irrigation Volume:

Total Area: 1.65 acres (measured by GPS)

Irrigation Use: Turf

Required Irrigation: 929 mm/acre (Precipitation Deficit, Burley FAA, Allen and Robison, 2009)

Typical Residential Irrigation Efficiency: 75%

Irrigation Volume: 6.7 acft/year

Total Volume: 9.1 acft/year

Thanks again for your time,
Erick

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