

MEMORANDUM

TO: File 65-07461

FROM: KAY WALKER

RE: Amended License Recommendation

Date: February 12, 2004

.....

In revision of this license pursuant to SRBA objection we reanalyzed the amount of water necessary for the acreage on the amended license. The original license was based on 0.03 cfs per acre along with 1.293 percent ditch loss. (See memo of 1/19/2000 below for exact calculations.)

Rate determination:

$152 \text{ acres} \times 0.03 \text{ cfs} = 4.56 \text{ cfs}$

$4.56 \times 1.293 \text{ (ditch loss)} = 5.896$ which rounds up to **5.90 cfs** allowable for the amended license.

Volume determination:

$152 \text{ acres} \times 4.5 \text{ fhr} = 684.0 \text{ afa}$

vs.

$5.90 \text{ cfs} \times 1.9835 \times 260 \text{ days} = 3042.7 \text{ afa}$

$684.0 \text{ afa} \times 1.293 \text{ (ditch loss)} = 884.412$ which rounds to **884.0 afa**