

MEMO

TO: 63-12152 & 63-33535 (right was split-2 separate systems/sources)

FROM: CPadilla

DATE: July 7, 2011

RE: Licensing Review Memo

Timeline:

Application Received: October 6, 1994

Permit Issued: January 27, 1995

Proof of Beneficial Use: January 26, 1998

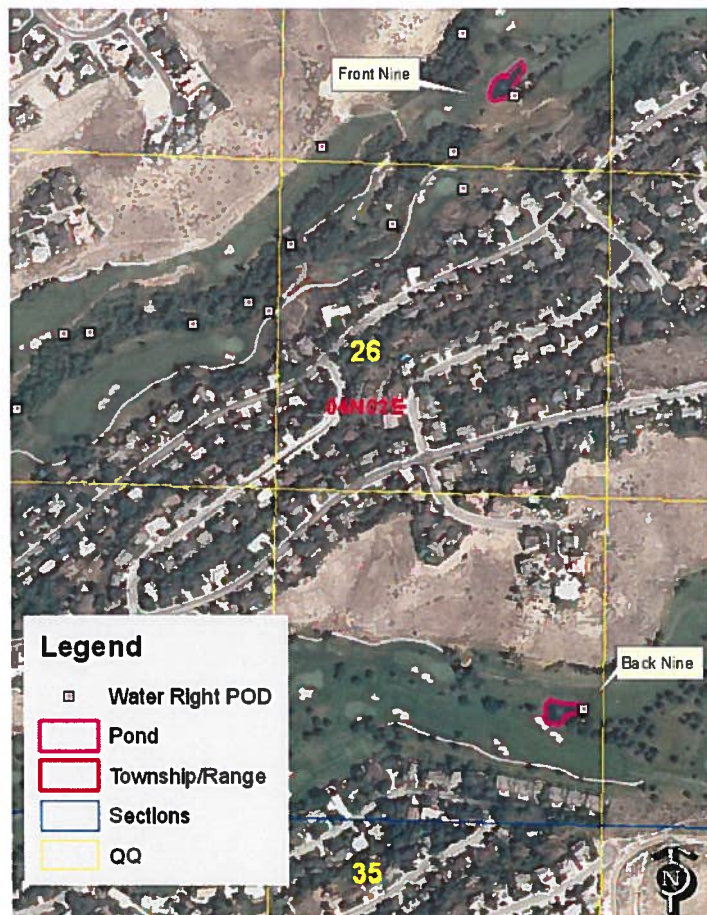
Field Examination: November 5, 1998

Points of Diversion: There are two wells that directly discharge into two ponds that are not connected. An interconnected system was not found during the field exam but the field examiner recommends that this should be licensed under one license since the PDs share a common POU within the golf course. However, Admin. Memo, Application Processing #58 clarifies that "one source per application unless part of a single system....a single system requires that a system with more than one source must be physically interconnected." The memo goes on to say that the permit can be split at licensure to be consistent with the directive.

Split: I split off a portion of the original right, 63-12152, to create new right 63-33535. Right 63-12152 will represent the front nine portion of the right and right 63-33535 will represent the back nine.

Overlap Analysis of PD: Rights 63-32115, 63-3108, and 63-12152 divert from the PDs that is known as the front nine PD. Rights 63-32115, 63-3108, and 63-33535 divert from the well known as the back nine PD.

A condition of approval on the permit for right 63-12152 includes a combined limit that limits the diversion to 1.84 cfs between 63-12152 and 63-3108. Right 63-3108 was meant to mitigate the consumptive use of permit 63-12152 and was consequently decreed with a diminished diversion rate, volume and ½ acre of irrigation. The combined limit



concerning the diversion rate will carry over to the licenses as permitted, only the diversion rate will be limited to 1.83 cfs (see mitigation note below).

POU: The POU consists of 2 ponds within the Crane Creek Golf Course. These ponds are for aesthetic and recreational purposes.

Overlap Analysis of POU: There are no other rights that cover these two ponds. However, right 63-3108 uses these ponds as part of the irrigation system. The ponds fill in less than 24 hours so an irrigation storage component is not necessary.

Season of Use: The ponds are only filled during the irrigation season which is currently 3/1-11/15.

Volume and Diversion Rate: Permit 63-12152 was not meant to provide any diversion rate but rather the permit is meant to cover the storage uses and the volume of water to be stored in the two ponds. Because the diversion rate is provided by 63-3108, the licensed diversion rate for this right will be 1.83 cfs.

CP HOWEVER, field examiner measured the PD @ 1.25 cfs, the rate will be limited to 1.25 cfs.

The field examiner calculated the ponds as being 0.41 acre total with the total volume between both ponds as being 3.8 af. I agree with the field examiner's findings as far as the surface area of the ponds but the volume of the ponds were calculated using the deepest point of the pond while it should be an average of overall depth. The field examiner's handbook, under Exhibit 16, indicates that the average depth of the ponds should be found by multiplying the overall depth of the pond by 40%. Using this method I found the following:

Front Nine Pond:

Overall depth of the pond = 14' deepest point in pond x 0.40 = 5.6'
5.6' x 0.15 acre surface area = 0.8 acre feet

Back Nine Pond:

Overall depth of the pond = 9' deepest point in pond x 0.40 = 3.6'
3.6' x 0.26 acre surface area = 0.9 acre feet

For a total capacity of 1.7 af for both of the ponds and 0.41 acres.

Mitigation: This permit was approved with the condition that right 63-3108 would mitigate for the consumptive portion of the permit. When this permit was approved the department was recognizing the consumptive portion of a pond to be equivalent to the irrigation at a 1:1 ratio. The mitigation requirement has been met and a condition will be added to both licenses that reflect the mitigation plan.

Amendment?: No. The field examiner made the comment that the PD and POU need to be amended however; the PD and POU have been developed as permitted.