

Memorandum

Date: August 24, 2012

To: File 02-10327

From: Craig L. Saxton

RE: Purpose of use and Volume

The waste water source is available only during the irrigation season of use. The Snake River source is used to keep the pond full outside the irrigation season of use. Each source is used independently from the other.

The diversion of waste water is considered on-stream storage therefore there is no diversion rate or live flow "wildlife" use is associated with the use of the waste water. Any waste water that flows through the pond would do so independently of this water right and therefore has not been developed as a purpose of use in connection with 02-10327. The storage of waste water in the created pond is the developed use. The pond holds 12.5 acre feet. Evaporation losses were calculated to be 6.5 AF. The right was permitted for 22 AF for that leaves 3 AF allocated for seepage losses. $12.5 \text{ AF} + 6.5 \text{ AF} + 3 \text{ AF} = 22 \text{ AF}$

The Snake River water is diverted to the pond at a rate of 0.41 cfs (Diversion to Storage). From the permit holder, the pump is run, on average, 4 times per month outside the irrigation season of use ($4 \text{ times per month} * 3.0 \text{ months} * 0.41 \text{ cfs} * 1.9835 = 9.7 \text{ AF}$). Since the Snake River water is used only to keep the pond full, there is no live flow "wildlife" use is associated with diversion of the Snake River Water. The developed use from the Snake River is "Diversion to Storage" and "Wildlife Storage". Total volume is 9.7 AF.

Assuming that water remains in the pond from year to year and it isn't totally drained, and that the seepage losses will decrease with the age of the pond as the pond seals naturally with silt and clay deposits, the 22 AF authorized under this right might provide 6.5 AF of evaporation losses, and the remaining 15.5 AF would be used for seepage losses which will decrease over time.