

MEMORANDUM

TO: Water Rights File 75-7656
FROM: Sandra Thiel
DATE: April 10, 2013
SUBJECT: Pump to supply pond water

Notes from phone conversation with Anthony Meleo, April 10, 2013

Mr. Meleo called to tell me that he had received the letter I sent in December. He has been living in southern Nevada and had not received the letter until now. He said that he had mentioned his winter absence when we conducted the field exam for this right in August 2012.

A pump helps keep the pond developed under this right full. According to Mr. Meleo, the pump operates for 3 hours everyday from May through October and might occasionally be turned on at other times of the year if the water level in the pond drops.

A theoretical calculation found a diversion rate of 0.13 cfs.

$$\frac{0.13 \times 1.9835}{24 \text{ hours}} = \frac{0.258}{24} = 0.01 \times 3 \text{ (hours per day)} = 0.03 \text{ af/ day Diverted to Pond}$$

$$0.03 \text{ af/day} \times 215 \text{ (irrigation season days)} = 6.45 \text{ AF Total Diversion to Pond Per Year}$$

Recreation Storage was calculated at 2.5 acre feet per year (see Field Exam for Calculations)

6.5 acre feet Total Diversion to Pond Per Year – 2.5 Acre Feet Recreation Storage = 4 acre feet for recreation.

Recommend:

Recreation Storage = 2.5 acre feet

Recreation = 0.13 cfs and 4.0 acre feet.