

From: Skaggs, Pam
Sent: Tuesday, December 06, 2011 12:31 PM
To: jensenr43@msn.com
Cc: Edl, Michele
Subject: 29-13784 Elements and Limits

Richard,

Per our telephone discussion, I will try to explain the various limiting factors related to a water right and specifically related to Permit 29-13784.

Diversion Rate describes the rate or speed you are authorized to divert water from the source. For Permit 29-13784 the proposed rate for the license has been identified as **0.11 cubic feet per second** (cfs) or about 50 gallons per minute (gpm). This is the amount related to the permit and confirmed diverted by the water system.

Annual Volume is the total volume of water authorized for diversion each year under a right. For proposed license 29-13784, **2.3 acre-feet** total each year for the developed domestic uses.

The domestic use is also limited by a condition to **13,000 gallons per day** (gpd). This is a permit condition carried on the license.

So, the proposed elements of draft license 29-13784 are 0.11 cfs or about 50 gpm, not to exceed 13,000 gpd and 2.3 af total per year.

If you were to run your diversion of 0.11 cfs or 50 gpm for the entire day (24 hours) non-stop, you would divert over 71,000 gallons of water in one day. That would exceed the daily limit of 13,000 gpd.

If you were to run your diversion of 0.11 cfs 24 hours a day for the entire year, you would divert nearly 80.0 af total. That would exceed your annual volume limit of 2.3 af.

Fortunately domestic use doesn't require the water to be used in such a fashion, but more intermittently depending on need and season for related irrigation. The identified volume of 2.3 af is related to the developed uses and sufficient to provide enough water for those uses over the year. Your system could provide more water annually at the diversion rate of 0.11 cfs assuming it was available at the source, but it is not authorized for the developed uses under this right.

I hope this clarifies the various limiting factors of the elements and conditions of this proposed right related to rate and quantity of water.

Pam

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