

MEMORANDUM

Date: October 23, 2009
To: Water Right File 35-13536
From: cpadilla
Re: Licensing Memo

The field examiner did not do a physical measurement on the system, instead he used the standard rate for two homes of 0.07 cfs as his recommendation for licensure.

There is not a completed well drillers report in the database for the permit holders well so I was unable to get exact information regarding the well to do a theoretical analysis. There are two other wells in this same QQ that have well logs available. For well D0021220 the depth to water is 45 feet and well D0026731 has a depth to water of 65 feet.

hp= 1hp per application for permit

depth to water= 45 feet (I'm going to give the permit holder the benefit of the doubt)

efficiency= standard of 0.7

psi= 50 (likely for this kind of system)

$$hp = 8.8 \times 0.7 \times 1/45 + (2.31 \times 50) = 0.04 \text{ cfs}$$

I recommend that we license the permit for 0.04 cfs based on the theoretical hp equation.

Exemption from Water District Administration

The Final Order Creating Water District 120 signed 2/9/02, states that immediate administration of water rights, other than domestic and stockwater rights as defined under IC 42-111 and 42-1401A(11) is necessary for the protection of prior surface and ground water rights. This right falls within the definition of the domestic use as defined in 42-111a.