

MEMORANDUM

Date: March 22, 2010
To: Water Right File 63-12342
From: csaxton
Re: Diversion Volume

On March 19, 2010, Shelley Keen and I contacted Matt Anders to find out if he had any information for the injection well in the Union Block Bldg (63-W-137-001). Matts information included the Application for Permit to Construct an Injection Well. On that approved document, it indicates that the rate of injection is 115 gpm continuously from 3-15 to 10-15.

$$115 \text{ gpm} / 448.83 = 0.256 \text{ cfs}$$

$$AF = (\text{rate in cfs})(1.9835)(\#days)$$

$$AF = (0.256 \text{ cfs})(1.9835)(246) = 124.9 \text{ af}$$

The annual volume calculated using the inspection well construction application data is the same as that calculated by Aaron Marshall using the equations outlined in the application Processing Memo No 23.