

MEMORANDUM

Date: August 14, 2008
To: Water Right File 37-8136
From: Aaron Marshall
Re: Licensing Review

BACKGROUND

Permit 37-8136 was approved April 22, 1985 for 1.00 cfs of ground water for industrial purposes at a sand and gravel processing plant. Proof of Beneficial Use was received on October 25, 1988. The Beneficial Use Field Report, signed and stamped by Charles E. Brockway, was received on September 6, 2007. Information to supplement the report, particularly annual volumetric water use estimates, was provided by Charles G. Brockway on August 1, 2008.

SEASON OF USE

The permitted season of use is 05/01 to 11/15. The license should reflect the current Department standard season of use for industrial purposes, 01/01 to 12/31, since the actual season of use is variably dependent on weather conditions.

WELL DEVELOPMENT

This right was developed using a combined system with two points of diversion, the VP Well and the Shop Well. The VP Well has a capacity of 0.57 cfs while the Shop Well has a capacity of 0.40 cfs. Water right 37-20833 diverts water from the VP Well for irrigation of 24.1 acres with an authorized rate of 0.48 cfs. Water right 37-8532 was developed using the VP Well, the Shop Well, and the Old Crusher Well (capacity = 1.34 cfs). Water right 37-20834 was developed using the VP Well, the Shop Well, and the New Crusher Well (capacity = 5.49 cfs).

COMBINED LIMITS

Rights 37-8136 and 37-20833 when combined will be limited to a total diversion rate of 0.97 cfs based on the combined capacities of the VP Well and the Shop Well. Rights 37-8136, 37-8532, and 37-20833 when combined will be limited to a total diversion rate of 2.31 cfs based on the capacities of the VP Well, the Shop Well, and the Old Crusher Well. Rights 37-8136, 37-8532, 37-20833, and 37-20834 when combined will be limited to a total diversion rate of 5.78 cfs based on the capacities of the VP Well, the Shop Well, and the Old Crusher Well, and the 3.47 cfs authorized by 37-20834.

LICENSE RECOMMENDATION

This right should be licensed for 0.97 cfs of ground water for industrial purposes with an annual volume limitation of 241.2 acre-feet as evaluated in the supplemental report. Domestic use should not be licensed as recommended by the examiner since this license is limited by the capacity of the two wells and the industrial use requires this capacity.

An amendment is necessary to add a point of diversion (Shop Well) and add the place of use in the S½SW¼ of Section 24, T01N, R18E.