

MEMORANDUM

TO: File
FROM: Daniel Nelson – Staff Hydrologist
DATE: January 9, 2013
SUBJECT: Field Exam Review

This memo is to discuss a few areas in the recommendations of the Certified Licensing Examiner's Field Exam Report for water right 37-22667.

A diversion rate was recommended for 0.074 cfs. Two measurements were conducted during the exam. The first measurement was a 43 minute test of the installed flow meter with a diversion rate of 0.0695 cfs or 31.2 gpm. The second measurement was a 5 minute test with a diversion rate of 0.074 cfs or 33.2 gpm. Both of these measurements seem reasonable when compared with the pump curve. Since the Department only recognizes 2 decimal points for the diversion rate, this water right will be licensed with a 0.7 cfs diversion rate.

The volume was calculated using 30 gpd for the facility's workers and 8 gpd for the skiers. The Field Examiner's Handbook allows 50 gpd for construction workers and 15 gpd for other types of workers. 30 gpd seems to be a reasonable average for construction workers and office workers. I am assuming that half of the staff work on the ski lift and maintenance and the other ½ work taking tickets and working in the lodge. The lodge offers an eatery and snack bar along with bathroom facilities. The Field Examiner's Handbook allows 7-10 gpd for restaurants with bathroom facilities, so 8 gpd seems reasonable.

There are three possible overlapping water rights. The first is water right 37-2197 for irrigation that was not claimed in the SRBA. The second is domestic right 37-4120 for Pioneer Campground. The third right is commercial right 37-7490 for snow making. Even though water has been available to the property for similar uses, there does not appear to have been a water right recorded for use in the restrooms and the lodge.