

## MEMORANDUM

**Date:** September 09, 2008  
**To:** Water Right File 63-32648  
**From:** cpadilla  
**Re:** Permit Review

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The application purposes the withdrawal of 1 cfs from the Middle Fork of Thorn Creek for power generation purposes. Using the hydropower formula at 50% efficiency, the discharge is equal to 0.54 cfs and that is what the regional office recommends for approval of this application. The applicants system may change and the water requirement may exceed the 0.54 cfs if any variable in that formula changes such as efficiency, head or kW capacity. Since the application was advertised at 1 cfs and is what the applicant initially requested, the permit can be approved for that amount and at licensing can be adjusted downward if needed. This will avoid the need for another application for permit if the applicants system exceeds 0.54 cfs.

The use will be non-consumptive and is for private use. No concerns were brought forth by the watermaster of WD 63, IDFG, or by the public. The applicant's project is not within a GW concern area, so is not subject to restrictive conditions.