

Meyers Farms
3024 Woodridge Dr.
Twin Falls, Idaho 83301

Dept. of Water Resources
Twin Falls Office
Twin Falls, Idaho 83301
Attention: Jim Stanton

RECEIVED

MAY 13 2005

Department of Water Resources
Southern Region

May 13, 2005

RE: App For Transfer 70893

Jim,

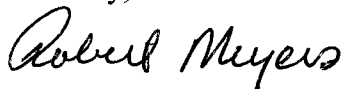
I received your letter regarding the Crystal Springs Ranch on the application for 5 cfs. The area to address is loss of water. The two losses of water are evaporation and percolation. On percolation, the water out of Cedar Draw Creek runs a high percentage of silt when the water is in the Twin Falls Canal System, April through early November. The existing fish ponds have to be dug out every year because of all the silt. My proposed ponds would also have a high silt level and seal the bottoms of the ponds over time to prevent percolation. I have three existing ponds that have been used for years with no percolation problems. On evaporation, the average evaporation rate in Southern Idaho is:

June, July, August	.33"/day
April, May, Sep.	.20"/day
Feb, Oct, March	.05"/day
<u>Nov, Jan, Feb</u>	<u>.01"/day</u>
Average evap rate	0.147"/day

An 0.147"/day evaporation loss x each of the three proposed ponds would cover approximately 7850 sq. ft. on $7850' / 43,560' = .20$ of an acre/pond, so $(.20 \text{ of an acre} \times 3 \text{ ponds}) = .6 \text{ of an acre}$; $.6 \text{ of an acre} \times 0.147"/\text{day evaporative loss} = .08"$ of loss per day on a per acre basis. With a flow of 5 cfs, (1 cfs is equal to 1 acre inch per hour x 24 hours is equal to 120 acres inches in 24 hours. So, $.08"$ loss per day divided by $120" = .0006$ or less than .06% loss per day- this works up to less than 1% loss.

I propose the losses between percolation or evaporation are minimal and no reductions of water for mitigation are needed. We need to get this permit approved as it's been over 2 years.

Sincerely,



Robert Meyers