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Hydraulics

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Water Resources

Via E-mail  
**RECEIVED**

**AUG 27 2014**

DEPT OF WATER RESOURCES  
SOUTHERN REGION

August 27, 2014

Mr. Allen Merritt  
Idaho Department of Water Resources  
650 Addison Ave W, Ste 500  
Twin Falls, ID 83301

Re: Water rights 37-22841 and 37-22838  
Request for waiver of measuring device

Dear Allen:

The above-referenced water rights, held by Terry Creighton, are appurtenant to a small residential pond in Flying Heart Subdivision. These rights were acquired last year to cover the pond storage, mitigation for pond evaporation, and pumping from the pond of 0.04 cfs for 0.9 acres of irrigation.

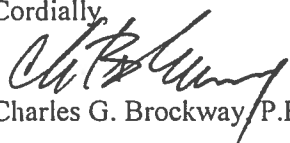
A condition on both water rights requires installation of both inflow and outflow measuring devices. Specifically, the condition reads "Prior to diversion of water under this right, the right holder shall provide a means acceptable to the department to measure the amount of water entering the reservoir and the amount of water released from the reservoir."

Measurement of the outflow from the pond should be straightforward and will be accomplished utilizing an adjustable sharp-crested weir on the inlet side of the culvert, which will also serve as a pond level control. Measurement of inflow to the pond is more problematic. Based on site inspections by Brockway Engineering personnel including myself, the primary inflow stream to the pond is a continuously-flowing channel feeding the pond from the northeast. However, a second springhead and swampy area northwest of the pond also appears to feed the pond during times of the year when the groundwater level is high. This area is marshy with no defined channel, and I was not able to determine any reasonable means by which this inflow could be measured.

Measurement of the pond inflow does not appear to be necessary for proper administration of the water rights. The outflow from the pond will provide the total water supply available at that point, and a magnetic meter will be installed on the irrigation pump along with suitable valving to allow the watermaster control of the diversion. Also, since the pond is a gaining reach, an inflow device is not needed to quantify seepage losses.

For these reasons it is requested that the inflow measuring device requirement on water rights 37-22841 and 37-22838 be waived. As work is proceeding quickly on installing the system this fall, a swift determination on this request would be much appreciated.

Cordially,

  
Charles G. Brockway, P.E.

Cc: Fritz Haemmerle  
Kevin Lakey, Watermaster

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