

Block, Darla

From: Weaver, Mathew
Sent: Wednesday, February 18, 2009 3:22 PM
To: buecdoug@msn.com
Cc: Block, Darla
Subject: Water Permit 65-22938

Mr. Walter Buechler,

This email is in response to your letter dated 2/15/09 regarding proof due notice and our phone conversation on 2/18/09 regarding the same manner. During our phone conversation you inquired into the requirements associated with condition number six on your permit which states the following:

Prior to diversion of water under this right, the right holder shall install and maintain a measuring device and lockable controlling works of a type acceptable to the Department as part of the diverting works.

As we discussed, prior to your submittal of proof of beneficial use you need to have installed a measuring device acceptable to the Idaho Department of Water Resources (Department), and a means of locking your diversion works in an **open** condition. By open condition we mean a configuration of your outlet works such that there are no impediments to flow through the pond, i.e. check dam, weir plate, or orifice device.

The Department has posted a document on our webpage (www.idwr.idaho.gov) that outlines acceptable open channel measuring devices, such that you would need to install per your permit language. I would recommend a 90 degree V-notch weir or Cipolletti weir, but any of the devices on the list are acceptable. Further more, at our webpage we have a link to the US Bureau of Reclamation's Water Measurement Manual which provides design guidelines and information pertaining to water measurement devices. The two resources combined should allow you to design an effective and acceptable water measurement device for your pond outlet. Links to both documents are provided below.

http://www.idwr.idaho.gov/water/districts/Water%20Measurement%20Publications/MinimumAccepStandards-Open_ClosedDevices08.pdf

http://www.idwr.idaho.gov/water/districts/Water%20Measurement%20Publications/BoR_WMM_%202001revision.pdf

If you have any other questions regarding this matter please contact me.

Mat Weaver, PE
Staff Engineer
Idaho Department of Water Resource
(208) 287-4914