

Marshall, Aaron

From: Olenichak, Tony
Sent: Tuesday, July 01, 2008 5:31 PM
To: Marshall, Aaron; Carlson, Dave
Cc: Skaggs, Pam
Subject: RE: 22-7114

I goofed on this one. When I talked to Dave about the measurement device requirements, I was thinking for most diversions Water District #1 would prefer not to have a flowmeter installed because of their failure rates over time as opposed to the preferable (and cheaper) method of using the power consumption and periodic acoustic flowmeter measurements to determine the volume pumped over time. I told Dave that Water District #1 would prefer the standard condition saying something like "a measurement device when required by Water District #1 must be installed" instead of saying a measurement device must be installed in all cases. The power meter is considered an appropriate measurement device by Water District #1 for most installations.

After reviewing file 22-7114 and discussing this diversion with Joe Kaufman, this diversion falls under the category where the power meter isn't sufficient to determine the amount of water diverted. In fact, Joe has already informed the pump owner that he needs to reinstall a flowmeter on one of the two mainlines. The reason that determining a Power Consumption Coefficient (PCC) does not work for this diversion is because there are four irrigation pumps pumping through two different mainlines plus a groundwater exchange well all connected to only one power meter. The volume of water pumped per kilowatt varies depending on which mainline (or both) are being used, how many of the four pumps are running, and whether or not the open-discharge exchange well is running. On this diversion Water District #1 would require a flowmeter on each of the two mainlines and on the exchange well to account for the water diverted. Therefore, it probably isn't necessary to change the measurement device condition because Water District #1 would require a flowmeter be installed in each of the two mainlines for 22-7114.

Tony

From: Marshall, Aaron
Sent: Tuesday, July 01, 2008 11:24 AM
To: Carlson, Dave
Cc: Skaggs, Pam; Olenichak, Tony
Subject: RE: 22-7114

Thanks Dave. I will await Tony's memo and will put a copy in the water right file. I think we may be able to modify the measuring device condition through the licensing process in order to meet current requirements by the Department and Water District.

Aaron

From: Carlson, Dave
Sent: Tuesday, July 01, 2008 11:19 AM
To: Marshall, Aaron; Skaggs, Pam
Subject: 22-7114

Aaron

Tony said that they have been using PCC measurements for this pump and they are ok with this arrangement.

His suggestion would be to change the condition to one that says that the watermaster can request a measurement device be installed at sometime in the future.

Tony will write a memo for this file to that effect.

My problem is that the measurement condition wasn't included on the permit itself and should have been.

dave

7/15/2008