

Van Dyke, Nick

From: Yenter, Cindy
Sent: Thursday, September 17, 2009 2:21 PM
To: Van Dyke, Nick
Subject: RE: Clear Springs application 36-16156

Nick - they do have a storage tank, and the well will discharge into the tank for use in the process plant. Brian Beeson, the maintenance manager at the plant, indicates that the average daily fresh water use in the process plant is 165,000 gallons - this from the treatment plant discharge records I'm pretty sure. If you crank that backwards using the actual discharge capacity of the well, which I think is 1.56 cfs (should be in the file) that's only about 4 hours operation. If you use 2 cfs the result is a little over 3 hours.

Speaking of that, I seem to recall that the protest resolution agreement with the Wrights required that the permit be limited to the measured well capacity of 1.56 cfs, or whatever it was. Do you find that anywhere? Maybe that part was dropped.

From: Van Dyke, Nick
Sent: Thursday, September 17, 2009 1:52 PM
To: Yenter, Cindy
Subject: RE: Clear Springs application 36-16156

Cindy,

Question: Do happen to know, on average, the duration Clear Springs will run that well during a typical day?

I've run the model worst case scenario - full rate X 24hrs X 365 days a year, which puts depletion over 2AF/trimester and 10% in two reaches, Devil's Washbowl to Buhl and 1000 springs (however the 1000 springs figure is 11%, may be negligible).

If they run the well less (which I'm guessing they do) then 24hrs/day 365 days a year, might be able to get them under the 2AF/10% threshold, avoiding mitigation.

Nick

From: Yenter, Cindy
Sent: Tuesday, July 14, 2009 8:18 AM
To: Van Dyke, Nick
Cc: Erickson, Nathan
Subject: FW: Clear Springs application 36-16156

Nick - thanks for the update. I agree with Shelley's analysis - I'm not sure I'd seen that but I'm good with those proposed conditions.

I'm passing this along to Nathan Erickson as the health dept has contacted him regarding use of this well as a public water supply well.

Cindy

From: Van Dyke, Nick
Sent: Tuesday, July 14, 2009 8:12 AM
To: Yenter, Cindy
Subject: RE: Clear Springs application 36-16156

Cindy,