
From: Charles G. Brockway [mailto:charles.g.brockway@brockwayeng.com]

Sent: Monday, January 28, 2013 11:38 AM

To: Peppersack, Jeff

Cc: 'Donna Kelsey'; 'Ed Lawson'; 'Fritz Haemerle'; Charles E. Brockway; Spackman, Gary; Baxter, Garrick

Subject: RE: 37-8502 mitigation

Jeff,

I left you a voicemail. Please call to discuss when you get a chance today.

The historical surface area is 14.0 acres, not 13.13 acres. The historical volume is 130 ac-ft+, not 102.4 ac-ft.

The 13.13 and 102.4 numbers were negotiated numbers. My understanding is IDWR agreed that the historical surface area was not forfeited. If I am incorrect and that is not IDWR's position on this legal issue, perhaps Fritz, Ed, and Garrick can get together and figure that out. If 13.13 is the baseline, then we will need to reduce the pond temperature to stay within the lower mitigation volume available.

On the site-specific data question... One year of data is obviously not ideal, but since there is essentially zero correlation between wind speed at the two stations (r-squared is 0.045, which is not statistically significant), I believe using the on-site data is the better of the two choices. What I proposed is 1) use the long-term record at Hailey for temperature and humidity since they are essentially the same at the two stations, but 2) use the site-specific data for wind speed since there is no correlation between the two stations. Since the regression line is basically flat, your suggestion to use the Hailey-Clarendon relationship to estimate wind speed at Clarendon would be nearly equivalent to just using the annual average Clarendon wind speed for every single month. If you are mandating this, please let me know in clear terms. With due respect, it is my stamp on these documents, so I have to do what I believe is most scientifically sound.

I look forward to your call.

Chuck

Charles G. Brockway, Ph.D., P.E.

Brockway Engineering, PLLC

2016 Washington St. North, Suite 4

Twin Falls, ID 83301

(208) 736-8543

charles.g.brockway@brockwayeng.com

All information, calculations, maps, drawings, or other documents transmitted via e-mail are preliminary unless explicitly stated in the e-mail text or in the documents themselves.