

Merritt, Allen

From: Jim Speck [jim@speckandaanestad.com]
Sent: Friday, September 17, 2010 5:09 PM
To: Merritt, Allen
Cc: 'Brian L. Smith'
Subject: RE: RE: RE: RE: Lot 2 Lookout Circle - App for Permit 37-20743

I'm pretty sure it came from Jeff Peppersack.

Jim

-----Original Message-----

From: Merritt, Allen
Sent: Friday, September 17, 2010 3:34 PM
To: Jim Speck

Jim,
The numbers look correct. Where did you get the spreadsheet? Although it looks familiar I'm not sure where it came from.
Allen

-----Original Message-----

From: Jim Speck [<mailto:jim@speckandaanestad.com>]
Sent: Friday, September 17, 2010 10:11 AM
To: Merritt, Allen
Cc: 'Brian L. Smith'
Subject: RE: RE: RE: Lot 2 Lookout Circle - App for Permit 37-20743

Allen,

I have assumed the pond is 5 ft. average depth and used the IDWR spreadsheet for calculating pond loss mitigation - does it look correct to you??!! Thanks.

Jim

-----Original Message-----

From: Merritt, Allen
Sent: Friday, September 17, 2010 9:20 AM
To: Jim Speck

Jim

My typo probably confused things. 0.02 cfs/acre times 8.1 acres is around 0.16 cfs times conversion of 1.9835 af/day/cfs yields around 0.32 af/day or a pond of 0.32 af.

Remarkably that figure is similar to what is in the consent order.

Allen

-----Original Message-----

From: Jim Speck [<mailto:jim@speckandaanestad.com>]
Sent: Friday, September 17, 2010 9:11 AM
To: Merritt, Allen
Cc: 'Brian L. Smith'

Subject: RE: RE: Lot 2 Lookout Circle - App for Permit 37-20743

Allen,

Thanks - I had not thought of that. Isn't 0.32 cfs for 24 hrs = 0.64 AF??!!

Jim

-----Original Message-----

From: Merritt, Allen

Sent: Friday, September 17, 2010 9:03 AM

To: Jim Speck

Jim,

I looked at the water rights and there is a limit of 0.02 cfs per acre at the field headgate when all rights are combined so since there is 8.1 acres this may limit the 24 rule to 0.32 pr 0.4 af pond.

Am I missing something?

Allen

-----Original Message-----

From: Jim Speck [<mailto:jim@speckandaanestad.com>]

Sent: Thursday, September 16, 2010 5:09 PM

To: Merritt, Allen

Cc: 'Brian Smith'

Subject: Re: Lot 2 Lookout Circle - App for Permit 37-20743

Allen,

The appurtenant Big Wood River rights total 0.416 cfs and the supplemental GW right is for 0.16 cfs for a total of 0.576 cfs. That being the case, if the pond is equal to or less than 1.152 AF in volume it should qualify as an irrigation storage pond, correct? Thanks again for your help.

Jim

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BRIAN SMITH POND EVAPOTRANSPIRATION LOSS AND VOLUME
Hailey, Idaho Weather Station Precipitation Deficit Values

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Precipitation deficit for open water-shallow systems (avg daily value, mm)	0.00	0.00	0.18	1.42	2.24	2.83	3.96	3.33	2.18	1.00	0.00	0.00	
Days per month	31	28	31	30	31	30	31	31	30	31	30	31	
Pond loss (precip deficit, mm)	0.00	0.00	5.58	42.60	69.44	84.90	122.76	103.23	65.40	31.00	0.00	0.00	524.91
Pond loss (precip deficit, in)	0.00	0.00	0.22	1.68	2.73	3.34	4.83	4.06	2.57	1.22	0.00	0.00	20.67
Pond surface area (acres)	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
Total pond loss (ac-in)	0.00	0.00	0.05	0.38	0.62	0.76	1.09	0.92	0.58	0.28	0.00	0.00	4.67
Total pond loss (ac-ft)	0.00	0.00	0.00	0.03	0.05	0.06	0.09	0.08	0.05	0.02	0.00	0.00	0.39
Pond average depth in feet	5												
Pond volume in acre-feet	1.13												
Evaporation loss in acre-feet	0.39												
Transfer application volume in acre-feet	1.52												
Precipitation deficit grass hay (growing season, mm/A)	646.00												
Precipitation deficit (growing season, in/A)	25.43												
Precipitation deficit (growing season, AF/A)	2.12												
# acres to remove from irrigation for evaporation loss	0.18												
# acres to remove from irrigation for pond volume	0.53												
total # acres to remove from irrigation	0.72												