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DEPT. OF WATER RESOURCES
SOUTHERN REGION

AMENDED

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

Ident. No. **37-20743**1. Name of applicant(s) Brian L. Smith and Diane Steffey Smith Phone (208) 788-7755
Name connector (check one): ☒ and ☐ or ☐ and/orMailing address: P.O. Box 5326 City KetchumState ID Zip 83340 Email: blamar.smith@gmail.com2. Source of water supply Big Wood River / ground water which is a tributary of Malad River

3. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	¼	¼	¼	County	Source	Local name or tag #
02N	18E	36		NE	SW	NW	Blaine	Big Wood River	Dist. 45 Headgate
01N	19E	7		NW	SE	SW		ground water	

4. Water will be used for the following purposes:

Amount 1.6 af for aesthetic storage purposes from 01/01 to 12/31 (both dates inclusive)
(cfs or acre-feet per year)Amount 0.20 cfs for diversion to storage purposes from 04/15 to 10/31 (both dates inclusive)
(cfs or acre-feet per year)Amount 1.6 af for fire protection storage purposes from 01/01 to 12/31 (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)5. Total quantity to be appropriated is (a) 0.20 cfs cubic feet per second (cfs) and/or (b) 1.6 acre-feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. District 45 headgate, canal and lateral to a pond with a 0.23 acre surface area and 1.2 acre feet volume. Well, pump to open ditch to same pond.b. Height of storage dam n/a feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ Noc. Proposed well diameter is n/a inches; proposed depth of well is _____ feet.d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ Noe. If well is already drilled, when? unknown; drilling firm _____;
Well was drilled for (well owner) _____; Drilling Permit No. _____

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. _____

d. Domestic; show number of households _____

e. Other; describe fully. Diversion to storage and storage for aesthetic and fire protection purposes in pond described in 6.a. above.

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8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

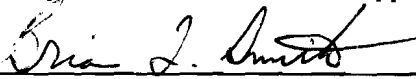
TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
1N	19E	7															J		
1N	19E	7															F		

Total number of acres to be irrigated: n/a

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? None

10. a. Who owns the property at the point of diversion? Applicant
- b. Who owns the land to be irrigated or place of use? Applicant
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: n/a
11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. The application is to create the water right to fill and store water in an existing pond on Lot 2, Block 4, Lookout Circle Subdivision. To mitigate for the depletions of water resulting from annual filling of and evapotranspiration losses from the pond, that portion of the stacked irrigation rights for this property used to irrigate one (1) acre shall be converted to mitigation and one (1) acre of the place of use will no longer be irrigated. These water rights have been used to raise grass hay. Precipitation deficit values for grass hay and open water-shallow systems from the Hailey, Idaho weather station are used in the spreadsheet attached as EXHIBIT A to calculate the area that must no longer be irrigated.
12. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year).
13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.


Signature of Applicant

Brian L. Smith
Print Name (and title, if applicable)


Signature of Applicant

Diane Steffey Smith
Print Name (and title, if applicable)

For Department Use:

Received by _____ Date _____ Time _____ Preliminary check by _____
Fee \$ 5000 Received by greider Receipt No. 5031805 Date 2/22/11

AMENDED APPLICATION FOR PERMIT 37-20743

MAP OF PLACE OF USE AND GROUND WATER

POINT OF DIVERSION

IDWR Home IDWR GIS

IDWR Mapping Tool



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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	5.35												
Pond volume in acre-feet	1.21												
Evaporation loss in acre-feet	0.39												
Transfer application volume in acre-feet	1.60												
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	0.57												
total # acres to remove from irrigation	0.75												

EXHIBIT A

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[illegible]