

RECEIVEDSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCESTransfer No. 84656**JAN 25 2021**WATER RESOURCES
WESTERN REGION**MINIMUM REQUIREMENTS CHECKLIST**
TO BE SUBMITTED WITH APPLICATION FOR TRANSFER

An application for transfer must be prepared in accordance with the minimum requirements listed below to be acceptable for processing by the Department. Incomplete applications will be returned. The instructions, fee schedule, Part 2A reports and additional Part 2B forms are available from any Department office or on the Department's website at idwr.idaho.gov.

Name of Applicant(s) Spencer and Sara Hill**Check whether each item below is *attached* (Yes) or *not applicable* (N/A) for the proposed transfer.****Yes N/A** * Means the item is always required and must be included with the application.

- ☒ * Completed Application for Transfer of Water Right form, Part 1.
- ☒ * Signature of applicant(s) or applicant's authorized representative on Application for Transfer Part 1. Include evidence of authority labeled Attachment #3 (see below) if signed by representative.
- ☒ * Application for Transfer Part 2A. Attach a [Part 2A](#) report describing each water right in the transfer as currently recorded.
- ☒ ☐ Complete and attach an Application for Transfer [Part 2B](#) for each water right for which only a portion is proposed to be changed through this transfer application.
- ☒ * Application for Transfer Part 3A is always required (see Attachment #7a below); Parts 3B and 3C must be completed for transfer applications proposing to change the nature of use of the water right(s) or proposing changes to supplemental right(s).
- ☒ * Correct fee submitted with transfer application form. ([Fee schedule](#) is on website and instructions for application for transfer.)

Attachments to Application - Label each attachment with the corresponding number shown below as Attachment #1-10.

- ☐ ☒ #1 If the applicant is a business, partnership, organization, or association, and not currently registered in the State of Idaho as a business entity, attach documentation identifying officers authorized to sign or act on behalf of right holder. (See Part 1.)
- ☐ ☒ #2a Water Right ownership documentation if Dept. records do not show the applicant as the current water right owner. **
- ☐ ☒ #2b If the ownership of the water right will change as a result of the proposed transfer to a new place of use, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s). **
** Additional fee(s) required for water right ownership changes; see fee schedule.
- ☐ ☒ #3 Documentation of authority to make the change if the applicant is not the water right owner.
- ☐ ☒ #4 Power of Attorney or documentation providing authority to sign or act on the applicant's behalf. (See Part 1.)
- ☐ ☒ #5 If the transfer application proposes to change the point of diversion for a water right affecting the Eastern Snake Plain Aquifer (ESPA), attach the results of an ESPA analysis and a detailed mitigation plan to offset any depletions to hydraulically connected reaches of the Snake River. ESPA transfer spreadsheet and model grid labeled cells are available on the Department's website at idwr.idaho.gov/water-rights/transfers/resources.html.
- ☐ ☒ #6 Notarized statement of agreement or a statement on official letterhead signed by an authorized representative from each lien holder or other entity with financial interest in the water right(s) or land affected by the proposed transfer. (See Part 1.5.c.)
- ☒ * #7a Attach a map identifying the proposed point(s) of diversion, place(s) of use, and water diversion and distribution system details as described on the application. Include legal description labels. If only a portion of the right is proposed to be changed, identify the current location of the part of the existing right(s) proposed to be changed. (See Part 3A.)
- ☒ ☐ #7b If the transfer application proposes to change the place or purpose of use of an irrigation right attach a Geographic Information System ([GIS](#)) shape file, or an aerial photo or other image clearly delineating the location and extent of existing acres and changes to the place of use. If some or all of any right is leased to the Water Supply Bank, you must also show the the specific location and/or acres to be idled at the new, proposed place of use to satisfy lease requirements.
- ☒ ☐ #8a If the transfer application proposes to change the nature of use or period of use for one or more rights, provide documentation describing the extent of historic beneficial use for the water rights proposed to be transferred and document how enlargement will be avoided. (See Part 3B.) Additional fee required for proposed changes to nature of use; see [fee schedule](#).
- ☐ ☒ #8b If the transfer application proposes to change the place of use of a supplemental irrigation right, provide documentation regarding the historic use of the supplemental right(s) and availability or reliability of the primary right(s) being supplemented, both before and after the proposed change. (See Part 3C.)
- ☐ ☒ #9 Water Supply Bank information for all rights proposed for transfer and currently leased to the Bank. ([Attachment WSB](#))
- ☐ ☒ #10 Other. Please describe: _____

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT PART 1

Name of Applicant(s) Spencer and Sara Hill Phone 208-921-5728
Mailing address 5086 S Bittercreek Ave, Meridian, ID 83642-7971 Email spencerhill50@gmail.com

- ☐ If applicant is not an individual and not registered to do business in the State of Idaho, attach documentation identifying officers authorized to sign or act on behalf of the applicant. Label it **Attachment #1**.
- ☐ Attach water right ownership documentation if Department records do not show the transfer applicant as the current water right owner. Label it **Attachment #2a**.
- ☐ If the ownership of the water right will change as a result of the proposed transfer to a new place of use, attach documentation showing land and water right ownership at the new place of use. Include documentation for all affected land and owner(s). Label it **Attachment #2b**.
- ☐ Attach documentation of authority to make the proposed change if the applicant is not the water right owner. Label it **Attachment #3**.

Provide contact information below if a consultant, attorney, or any other person is representing the applicant in this transfer process.

☐ No Representative

Name of Representative SPF Water Engineering Phone 208-383-4140
Mailing address 300 E Mallard Dr, Ste 350, Boise, ID 83706 Email sking@spfwater.com

☐ Send all correspondence for this application to the representative and not to the applicant.

OR

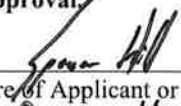
☒ Send original correspondence to the applicant and copies to the representative.

☒ The representative may submit information for the applicant but is not authorized to sign for the applicant.

OR

☐ The representative is authorized to sign for the applicant. Attach a Power of Attorney or other documentation providing authority to sign for the applicant and label it **Attachment #4**.

I hereby assert that no one will be injured by the proposed changes and that the proposed changes do not constitute an enlargement in use of the original right(s). 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 or Authorized Representative

Spencer Hill
Print Name and Title if applicable

1-20-21
Date


Signature of Applicant or Authorized Representative

Sara Hill
Print Name and Title if applicable

1-20-21
Date

A. PURPOSE OF TRANSFER

- ☐ Change point of diversion
☒ Change nature of use

☐ Add diversion point(s)
☒ Change period of use

☒ Change place of use
☐ Other _____
- Is this a transfer for changes pursuant to Idaho Code § 42-221.0.8?
If yes, ☐ attach an explanation and any supporting documentation labeled as **Part1A.2**.
- Describe your proposal in narrative form, including a detailed description of non-irrigation uses to justify amounts transferred (i.e. number of stock, etc.), and provide additional explanation of any other items on the application. Attach additional pages if necessary and label it **Part 1A.3**.
Applicant proposes changing the nature of use of a portion of the identified water right to provide mitigation for evaporative losses resulting from a pond proposed under application 63-34967.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT

PART 1 Continued

B. DESCRIPTION OF RIGHTS AFTER THE REQUESTED CHANGES. IF THE RIGHTS ARE BEING SPLIT, DESCRIBE PORTIONS TO BE CHANGED AS THEY WOULD APPEAR AFTER THE REQUESTED CHANGES.

1.	Right Number	Amount (cfs/ac-ft)	Nature of Use	Period of Use	Source & Tributary
All or Part ☒ ☐	63-34986	0.027 cfs	Irrigation	4/15 to 10/15	SF Boise River/Boise River
☐ ☐		0.003 cfs	Diversion to Storage	4/15 to 10/15	SF Boise River/Boise River
☐ ☐		0.7 ac-ft	Aesthetic Storage	1/1 to 12/31	SF Boise River/Boise River
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	
☐ ☐				to	

Total authorized under rights 0.03 cfs and/or acre-feet.

2. Total amount of water proposed to be transferred or changed 0.003 cubic feet per second and/or 0.7 acre-feet per year.

3. Point(s) of Diversion:

- ☒ No changes to point(s) of diversion are proposed - the following chart is therefore not completed. (Proceed to #4.)
- ☐ Attach Eastern Snake Plain Aquifer analysis if this transfer proposes to change a point of diversion affecting the ESPA. Label it **Attachment #5**.

New ?	Lot	¼	¼	¼	Sec	Twp	Rge	County	Source	Local name or tag #

4. Place of use: (If irrigation, identify with number of acres irrigated per ¼ ¼ tract.)

- ☐ No changes to place of use are proposed - the following chart is therefore not completed. (Proceed to #5.)

Twp	Rge	Sec	NE ¼				NW ¼				SW ¼				SE ¼				Acre Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
3N	10E	10													Lt 8				
															3.1				3.1
															*JS				
Total Acres (for irrigation use)																			3.1

*JS = Aesthtic Storage

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

APPLICATION FOR TRANSFER OF WATER RIGHT
PART 1 Continued

5. General Information:

- a. Describe the complete diversion system, including how you will accommodate a measuring device and lockable controlling works should they be required now or in the future:
Shared diversion dam, headgate, and gravity ditch. Measuring device and lockable controlling works will be accommodated upon Department request.

- b. Who owns the property at the point(s) of diversion? N/A - current authorized diversions not proposed for change
If other than the applicant, describe the arrangement enabling the applicant to access the property for the diversion system:

- c. Are the lands from which you propose to transfer the water right subject to any liens, deeds of trust, mortgages, or contracts?
If yes, ☐ attach a notarized statement from the holder of the lien, deed of trust, mortgage or contract agreeing to the proposed changes on official letterhead signed by an authorized representative. Label it **Attachment #6**. List the name of the entity and type of lien:

It is the applicant's responsibility to provide notice to lien holder, trustee, mortgagor, or contract holder of the proposed changes that may impact or change the value of the water rights or affected real property. Any misrepresentation of legal encumbrance on this application may result in rejection of the application or cancellation of an approval.

- d. Are any of the water rights proposed for transfer currently leased to the Water Supply Bank?
If yes, ☐ complete Attachment WSB.
- e. Describe the effect on the land now irrigated if the place or purpose of use is changed pursuant to this transfer:
The irrigated place of use for water right 63-34986 will be reduced by 0.3 acre to offset the consumptive use resulting from development of a pond proposed under application 63-34967.
- f. Describe the use of any other water right(s) for the same purpose or land, or the same diversion system as right(s) proposed to be transferred at both the existing and proposed point(s) of diversion and place(s) use:
Water right 63-34988 diverted from the same system for separate acres.

- g. To your knowledge, has/is any portion of the water right(s) proposed to be changed:

Yes No

- | | | |
|--------------------------|-------------------------------------|---|
| ☐ | ☒ | undergone a period of five or more consecutive years of non-use, |
| ☐ | ☒ | currently leased to the Water Supply Bank, |
| ☐ | ☒ | currently used in a mitigation plan limiting the use of water under the right, or |
| ☐ | ☒ | currently enrolled in a Federal set-aside program limiting the use of water under the rights? |

If yes, describe:

**IDAHO DEPARTMENT OF WATER RESOURCES
APPLICATION FOR TRANSFER OF WATER RIGHT
PART 2A**

Current Water Right No.: 63-34986

Current Owner: SPENCER HILL
SARA HILL
Priority Date: 6/1/1911
Origin: Water Right
Status: Active
Basis: Decreed

Source

Tributary

SOUTH FORK BOISE RIVER

BOISE RIVER

Beneficial Use

From To

Diversion Rate

Annual Volume

IRRIGATION

4/15 to 10/15

0.03 CFS

Total Diversion

0.03 CFS

Location of Point(s) of Diversion

SOUTH FORK BOISE RIVER

L4(NW1/4SW1/4)

Sec. 11, Twp 03N, Rge 10E B.M.

ELMORE County

SOUTH FORK BOISE RIVER

L9(SW1/4NW1/4SW1/4)

Sec. 12, Twp 03N, Rge 10E B.M.

ELMORE County

Place of Use

IRRIGATION Within ELMORE County

T03N R10E S10 Lot 8 NESE 3.40

Total Acres: 13

Conditions of Approval:

1. S42 THE USE OF WATER FOR IRRIGATION UNDER THIS RIGHT MAY BEGIN AS EARLY AS APRIL 1 AND MAY CONTINUE TO AS LATE AS OCTOBER 31, PROVIDED OTHER ELEMENTS OF THE RIGHT ARE NOT EXCEEDED. THE USE OF WATER BEFORE APRIL 15 AND AFTER OCTOBER 15 UNDER THIS REMARK IS SUBORDINATE TO ALL WATER RIGHTS HAVING NO SUBORDINATED EARLY OR LATE IRRIGATION USE AND A PRIORITY DATE EARLIER THAN THE DATE A PARTIAL DECREE IS ENTERED FOR THIS RIGHT.
2. C18 THIS PARTIAL DECREE IS SUBJECT TO SUCH GENERAL PROVISIONS NECESSARY FOR THE DEFINITION OF THE RIGHTS OR FOR THE EFFICIENT ADMINISTRATION OF THE WATER RIGHTS AS MAY BE ULTIMATELY DETERMINED BY THE COURT AT A POINT IN TIME NO LATER THAN THE ENTRY OF A FINAL UNIFIED DECREE. SECTION 42-1412(6), IDAHO CODE.

Decreed Date: 4/24/2003

2019 Imagery

03 02 01

10 11 12

L8 L4 L9

3N 10E

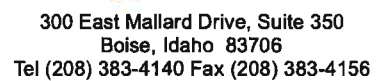


**SPF WATER
ENGINEERING**

300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

Attachment 7A

 63-34986 Points of Diversion
 63-34986 Place of Use
 Hill Proposed Pond - 63-34967
 0.3 acre to retire for pond



Hill Transfer Application

PROJECT: 1606.0010



0 300 600 1,200 Feet

2019 Imagery



Legend

- 63-34986 Place of Use
- Hill Proposed Pond - 63-34967
- 0.3 acre to retire for pond



300 East Mallard Drive, Suite 350
Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4156

Attachment 7B

Hill Transfer Application

DATE: 1/15/2021

CREATOR: Igraves

PROJECT: 1606.0010



Absolute Scale: 1:2,277

0 55 110 220 Feet

Hill Transfer Attachment 8a

Enlargement is not a concern based on the following application summary:

A pond with a surface area of approximately 0.28 acre and average depth of 5 feet is proposed under Application 63-34967. The proposed source of water on the application is shallow ground water assumed to be in hydraulic connection with SF Boise River surface water. Mitigation to Boise River flows is required to offset consumptive use resulting from the evaporation from the surface of the proposed pond and will be accomplished by changing the nature of use from irrigation to aesthetic storage for 0.28 acre irrigation authorized under applicant's water right 63-34986.

Consumptive Use Data & Proposed Mitigation. The consumptive requirement and subsequent depletion rate to river flows required for shallow ponds and grass pasture, which is the typical crop grown in the Featherville area, can be calculated based on the ET Idaho (<http://data.kimberly.uidaho.edu/ETIdaho/>) precipitation deficit tables for the Anderson Dam climate station. The amount proposed for mitigation is based on a one to one ratio; 1 acre of irrigation for 1 acre of pond surface area. The calculations demonstrate that 0.28 acre of pond surface area will annually evaporate 0.58 acre-feet, equivalent to the consumptive use associated with 0.25 acre of grass pasture. As shown on the attached Water Balance data sheet, 0.28 acre of grass pasture can more than sufficiently satisfy the pond's anticipated consumptive use. To allow continued processing of permit application 63-34967, 0.28 acre authorized under water right 63-34986 will be converted from irrigation to aesthetic storage to offset the consumptive use resulting development of the pond.

Included are the Department's pond loss calculation spreadsheets for pond seepage, evaporation and storage capacity that further support the adequacy of the amount proposed for change to aesthetic storage.

NOTE: 0.28 acre was rounded up to 0.30 acre per Department standards.

WATER BALANCE AND CHANGES TO 63-34986

ET_{Idaho} 2017, Anderson Dam (NWS -- USC00100282)

Precipitation Deficit Requirements

Grass Pasture - low management															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b	Annual
Mean	mm/day												mm		
Monthly ^c	0.03	0.05	0.21	1.1	3.43	4.62	5.34	4.54	3.04	1.3	-0.62	0	710	-2	707

Open Water - shallow systems (ponds/streams)															
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b	Annual
Mean	mm/day												mm		
Monthly ^c	-1.85	-0.82	0.19	1.89	3.17	3.6	4.62	4.04	2.6	1.24	-1.42	-1.63	482	0	482
days / month	31	28	31	30	31	30	31	31	30	31	30	31			365
mm / month		-23.0	5.9	56.7	98.3	108.0	143.2	125.2	78.0	38.4					631

- a 631 mm/yr, Net annual positive-month precipitation-deficit pond consumptive use (from above, open water, annual use)
- b 2.07 ft/yr, Net annual precipitation-deficit pond consumptive use ($b = a / 304.8$)
- c 0.28 acres, pond surface area (from pond permit application)
- d 0.58 af/yr, total annual pond consumptive use ($d = b \times c$)
- e 710 mm/yr, net annual crop precipitation-deficit consumptive use (from above, growing season)
- f 2.33 ft/yr, Net annual precipitation-deficit crop (Grass Pasture - low management) consumptive use ($f = e / 304.8$)
- g 0.25 acres of crop consumptive use required to offset lake consumptive use ($g = d / f$)
- h 0.28 acres of crop consumptive use required at one-to-one ratio ($h = c$)
- i 0.28 acres, greater of g and i, required for and changed from irrigation to mitigation
- k 0.01 cfs/acre of the transferred water right (enter from right)
- m 0.002 cfs, changed from irrigation to DIVERSION TO STORAGE for mitigation
- n 0.65 af, changed from irrigation to AESTHETIC STORAGE for mitigation

Changes to 63-34986			
	Changed by		
	Pre-Transfer	Transfer	Post-Transfer
Irrigation, cfs	0.03	-0.0025	0.0275
Aesthetic Storage, afa	0.0	0.65	0.65
Diversion to Storage, cfs	0.0	0.0025	0.0025
Mitigation by non-use, cfs	0.00	0.00	0.00
Total, cfs	0.03	0.0025	0.030
Acres	3.4	-0.28	3.12
Duty, combined limit, cfs/acre	0.0088	0.0088	0.0088

Evaporation Loss Calculations

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the annual evaporation losses from a pond.

FILE NUMBER	63-34967 / Hill
REVIEWER	Scott King, SPV
DATE	10/20/2020

User Input
Calculated value
Formula Explanations

The acronyms used on the Kimberly Research Center website are defined below:

P = Precipitation
ET= Evapotranspiration
P _d = Precipitation deficit
P _d =ET-P

USING THIS SPREADSHEET

Use the link below to access the Kimberly Research Center website. This website provides the Precipitation Deficit for a station most representative of the pond under examination. The Precipitation Deficit is the total amount of free water surface evaporation minus the precipitation for a given area, which gives the total amount of evaporative losses incurred by the pond. There are several weather sites that are used throughout the state. IDWR staff can find the nearest site using Arc Map. The shape file containing the sites can be found at <X:/Spatial/Climate/ETIdahostations.shp>.

Instructions:

1. Use the link below to navigate to ET Idaho 2012.
2. Select the station which is most representative to your pond location.
3. Click Submit Query.
4. Under "Land Covers with Evapotranspiration Estimates," select "Open Water - Shallow Systems (ponds, streams)" or "Open Water - small stock ponds" depending on the pond size.
5. Click the link to "Precipitation Deficit."
6. Reference and copy (ctrl + C) the first subheading "Mean" values.
7. Click the "Paste Values from ET Idaho" button. The table will automatically enter a zero (0) for any negative precipitation deficit values.

Found at: <http://data.kimberly.uidaho.edu/ETIdaho/>

Precipitation Deficit

Station: Twin Falls 2 NNE (NWS -- 109294)

Month	mm/day ¹	Days per month	mm/Month
Jan	-1.85	31	0.00
Feb	-0.82	28	0.00
March	0.19	31	5.89
April	1.89	30	56.70
May	3.17	31	98.27
June	3.60	30	108.00
July	4.62	31	143.22
August	4.04	31	125.24
September	2.60	30	78.00
October	1.24	31	38.44
November	-1.42	30	0.00
December	-1.63	31	0.00

PLEASE NOTE: The seasonal average for precipitation deficit should not be used for calculations because precipitation often exceeds evaporation during wetter months of the year. If the pond is kept full, excess precipitation during wetter months does not serve to refill the pond during drier months.

For example, see Sandpoint KSPT (NWS -- 108137), the annual precipitation deficit is -106 mm. However, April through September have positive precipitation deficit values. To properly estimate the annual volume of water necessary to refill a pond due to evaporation losses, the table will automatically enter a zero (0) for each month that the precipitation value is reported as a negative value.

As described above, precipitation offsets evaporation in winter months, so the net effect is that wintertime precipitation deficit is usually zero.

Total mm/year = 653.76

$$[(\text{mm/yr}) \div (\text{convert to feet})] \times (\text{Surface area of pond, in acres}) = \text{Evaporation Loss in Acre Feet}$$

(653.76 ÷ 304.8) X 0.28 = 0.6 AFA

Seepage Loss Calculations

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total annual seepage losses from a pond.

FILE NUMBER	63-34967 / Hill
REVIEWER	Scott King, SPF Water
DATE	10/20/2020

User Input
Calculated value
Formula Explanations

INPUTS

Pond Surface Area (AC.)	0.28	AC.
-------------------------	------	-----

Pond Surface Area (SQ. FT.)	12000	SQ. FT.
-----------------------------	-------	---------

I used the following method to obtain my Soil Classification information:	NRCS Web Soil Survey	
My Soil Classification is	GrndWtr	
Suggested Seepage Rate (FT./DAY)	0.0000	FT./DAY

Formula: (Surface Area X Seepage Rate) X 7.48 = Gallons Per Day Loss
--

Convert to GPD	0	GPD
----------------	---	-----

Total Seepage Loss (AFA)	0.0	AFA
--------------------------	-----	-----

Though sand and gravel seepage rates may actually be higher, the maximum allowable rate is 0.2 ft/day, pursuant to Administrative Memo "Seepage Loss Standards for Ponds and Reservoirs."

Suggested Seepage Rates for Different Soil Types:

GW, GP, GM, GC, SW, SP and SM (silty sand, sand silt mixtures and gravel mixtures) = 0.2 ft per day

OL and ML (inorganic silts - very fine sands, silty, or clayey fine sands) = 0.02 ft per day

SC (clayey sands, sand clay mixtures) = 0.007 ft per day

CL (Low to medium plasticity clays) = 0.003 ft per day

MH, OH, PT and CH (high plasticity clays) = 0.0003 ft per day

LINED PONDS (liners can be chemical, fabric, or bentonite) = 0 ft per day

Ponds Intercepting Groundwater (excavated ponds filled by ground water) = 0 ft per day

PLEASE NOTE: The initial basis for the Suggested Seepage Rates in the table above is found on Page 16 of Seepage from Fish Ponds, Bulletin 599, August 1989 Alabama Agricultural experiment Station, Auburn University, Auburn University Alabama. If you don't know the soil type, please refer to the map provided at the NRCS Web Soil Survey (Tab #1), an ArcMap Soil Classification Map (Tab #1.1), or published NRCS Soil Survey (Tab #1.2). Use "0" if the pond fill relies on the water table.

Total Storage Calculations

FILE NUMBER	63-34967 / Hill
REVIEWER	Scott King, SPF Wat
DATE	10/20/2020

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total seepage, evaporation and fill capacity required for a pond.

User Input
Calculated value
Formula Explanations

Surface Area (AC.)	0.28	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	5	"Average Pond Depth" depicts the actual depth of the pond either measured or estimated. Note: If you know the maximum depth and not the average depth, the Field Examiner's Handbook suggests multiplying the maximum depth by 0.4 to get the average depth, or you can use any method that seems reasonable to attain average depth.
Pond Capacity (AF)	1.38	Pond Capacity is calculated by multiplying the Pond Surface Area by the Average Pond Depth. If you know the capacity, divide the capacity by surface area and enter the average pond depth in the space above. Note: If pond capacity is determined using a method shown on the "Pond Capacity" sheet, the user may need to modify the value of "Pond Capacity" (cell B9) manually. Note that if the value is modified manually, the formula will be altered for future use.
Multiple Fill Volume Above Initial Fill to Fulfill From Storage Needs- "Multiple Fills" (AF)	0	The "Multiple Fill Volume Above Initial Fill" is the acre-feet of water required to meet a <i>from storage</i> component if the <i>from storage</i> component exceeds a one time fill. This section should not include the amount of water needed to fill the pond initially or the amount of water needed to maintain the pond level due to evaporation or seepage. For example: if a pond has a capacity of 5 acre feet and 2.5 acre feet of seepage and evaporation, but the pond is used for irrigation that requires 10 acre feet of from storage for the irrigation use, then you would insert 5 acre feet into this location (10 acre feet needed - 5 acre feet from the initial fill = 5 acre feet of additional storage needed). Note: You must have a "From Storage" component exceeding the initial fill on the permit to include a volume in this space.
Estimated Seepage Loss (AF)	0.0	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.6	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	2.0	The "Total Volume Required" is calculated by adding the Pond Capacity, Multiple Fills, Seepage Loss, and Evaporation Loss amounts to determine the total amount of storage required.

Flow Rate into Pond (CFS)	0.04	The "Flow Rate into Pond" depicts the actual flow, either measured or estimated, into the pond. For offstream facilities, this will be equivalent to "diversion to storage" rate.
Highest Daily Evaporation Rate From Evaporation Tab. (mm/Day)	4.62	This number is carried over from the "Evaporation Loss" sheet. It is the highest recorded number in the "Precipitation Deficit Table".
Required Daily Maintenance Volume (AF/Day)	0.004	"Required Daily Maintenance Volume" is the maximum volume of water needed on any given day during the year to maintain pond volume. It is calculated by adding the highest daily evaporation loss to the average daily seepage loss in acre feet. The average daily seepage loss is calculated by dividing the "Estimated Seepage Loss" by 365 days. This is acceptable, since the seepage rate shouldn't vary throughout the season unless the pond completely freezes over during the winter months. The highest daily evaporation loss is calculated by dividing the Highest Daily Evaporation Rate by the 304.8 conversion factor and multiplying this number by the pond surface area to attain a combined daily acre feet requirement.
Minimum Maintenance Flow (CFS)	0.002	The "Minimum Maintenance Flow" is the minimum amount of flow required to maintain the level of the pond. This number is determined by dividing the "Maximum Required Daily Maintenance Volume" by 1.9835. This flow can be used to determine if the flow rate into the pond is adequate to maintain the pond level.
Days Required to Fill the Pond	18	The "Days Required to Fill the Pond" is calculated by dividing the "Pond Capacity" by the "Flow Rate" minus "Minimum Maintenance Flow" multiplied by 1.9835. This section will assist you in determining if the flow rate being diverted to the pond is adequate to fill the pond while maintaining the pond level. The length of time to fill the pond will help determine if the flow rate is adequate for the size of pond being proposed. If this number is approximately 6 months (180 days) or more, the reviewer should have a discussion with the applicant to make sure he/she understands that it will take a significant length of time to fill the pond.
Days Required to Fill the Pond at 13,000 Gallons per Day	39	Some water users may want to fill a pond under the 13,000 gallons per day domestic exemption. The "Days Required to Fill the Pond at 13,000 Gallons per Day" is calculated by converting the "Pond Capacity" and the "Required Daily Maintenance Volume" to gallons. The "Pond Capacity" is then divided by 13,000 gallons minus the "Required Daily Maintenance Volume" in gallons to determine the number of days to fill pond. If this number is approximately 6 months (180 days) or more, the reviewer should have a discussion with the applicant to make sure he/she understands that it will take a significant length of time to fill the pond. Negative values indicate that the supply of 13,000 gallons per day is not enough volume to overcome the required daily maintenance volume; the pond will never fill.



State of Idaho

DEPARTMENT OF WATER RESOURCES

WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082

Phone: (208)334-2190 • Fax: (208)334-2348 • Website: www.idwr.idaho.gov

Brad Little
Governor

Gary Spackman
Director

February 11, 2021

SPENCER HILL
SARA HILL
5086 S BITTERCREEK AVE
MERIDIAN, ID 83642-7971

RE: Application for Permit No. 63-34967
Transfer No. 84656
Water Right No(s). 63-34986

Dear Applicant(s):

The Department of Water Resources has received your water right transfer application. Please refer to the transfer number referenced above in all future correspondence regarding this transfer.

A legal notice of the application has been prepared and is scheduled for publication in the MOUNTAIN HOME NEWS on 2/17/2021 and 2/24/2021. Protests to this application may be submitted for a period ending ten (10) days after the second publication.

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the approval document.

Please contact this office if you have any questions regarding the application.

Sincerely,

Denise Lauerman
Administrative Assistant

CC:
SPF WATER ENGINEERING LLC
C/O SCOTT KING
300 E MALLARD DR STE 350
BOISE, ID 83706

Lauerman, Denise

From: Lauerman, Denise
Sent: Thursday, February 11, 2021 4:52 PM
To: 'rex@wd63.org'; 'mike@wd63.org'
Subject: Application for Transfer 84656, 84657
Attachments: Watermaster Recommendation Form 2021.docx

Watermaster:

The Idaho Department of Water Resources (IDWR) is seeking written comment and/or recommendations from you regarding the above referenced water right applications. You can find a copy of the applications at: <https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>. Please review the applications, then complete the enclosed recommendation form and return it to this office by **03/08/2021**.

If the applications are approved, IDWR will include appropriate standard conditions of approval for a water right located within a water district, such as regulation by the watermaster, lockable controlling works, and/or measuring devices. Any special conditions or other concerns you have related to this application should be specifically addressed in your recommendation.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Your prompt response to this request will ensure that your recommendation can be considered. If IDWR has not received your written recommendation by **03/08/2021**, IDWR will presume that you do not oppose approval of the applications and that you have no comments for IDWR to consider.

Please contact this office if you have any questions regarding the application.

Thanks!
Denise

Denise Lauerman | *Administrative Assistant*
IDWR-Western Region
2735 W Airport Way, Boise ID 83705
(208).334.2190 | denise.lauerman@idwr.idaho.gov

Lauerman, Denise

From: Lauerman, Denise
Sent: Thursday, February 11, 2021 4:52 PM
To: 'DGreen@idl.idaho.gov'
Subject: Application for Transfer 84657, 84656
Attachments: Agency Recommendation Form 2021.docx

Dear Ms. Green:

The Idaho Department of Water Resources (IDWR) is seeking written comment and/or recommendations from you regarding the above referenced water right application. You can find a copy of the applications at: <https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>. Please review the applications, then complete the enclosed recommendation form and return it to this office by **03/08/2021**.

If the applications are approved, IDWR will include appropriate standard conditions of approval for a water right located within a water district, such as regulation by the watermaster, lockable controlling works, and/or measuring devices. Any special conditions or other concerns you have related to this application should be specifically addressed in your recommendation.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Your prompt response to this request will ensure that your recommendation can be considered. If IDWR has not received your written recommendation by **03/08/2021**, IDWR will presume that you do not oppose approval of the applications and that you have no comments for IDWR to consider.

Please contact this office if you have any questions regarding the application.

Thanks!
Denise

Denise Lauerman | *Administrative Assistant*
IDWR-Western Region
2735 W Airport Way, Boise ID 83705
(208).334.2190 | denise.lauerman@idwr.idaho.gov



State of Idaho

DEPARTMENT OF WATER RESOURCES

WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082

Phone: (208)334-2190 • Fax: (208)334-2348 • Website: www.idwr.idaho.gov

Brad Little
Governor

Gary Spackman
Director

February 11, 2021

LAWRENCE RIGGINS
RT 8 BOX 293
CALDWELL, ID 83605

RE: Application for Permit No. 63-34966, 34967
Transfer No. 84657, 84656
Water Right No(s). 63-34985, 63-34986

Dear Interested Party:

The Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at:

<https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days of the final publication.

Please contact this office if you have any questions regarding the application.

Sincerely,

Denise Lauerman
Administrative Assistant 1

Enclosure(s)



Brad Little
Governor

State of Idaho

DEPARTMENT OF WATER RESOURCES

WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082

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Gary Spackman
Director

February 11, 2021

ELK VALLEY RANCH INC
3561 N PINE FEATHERVILLE RD
MOUNTAIN HOME, ID 83647

RE: Transfer No. 84657, 84656
Water Right No(s). 63-34985, 63-34986

Dear Interested Party:

The Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at:

<https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days of the final publication.

Please contact this office if you have any questions regarding the application.

Sincerely,

A handwritten signature in blue ink that reads "Denise Lauerman". The signature is fluid and cursive, with the first name "Denise" and last name "Lauerman" clearly legible.

Denise Lauerman
Administrative Assistant 1

Enclosure(s)



State of Idaho

DEPARTMENT OF WATER RESOURCES

WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082

Phone: (208)334-2190 • Fax: (208)334-2348 • Website: www.idwr.idaho.gov

Brad Little
Governor

Gary Spackman
Director

February 11, 2021

JOLENE MILLER
TERRY MILLER
3616 E 3990 N
KIMBERLY, ID 83341

RE: Transfer No. 84657, 84656
Water Right No(s). 63-34985, 63-34986

Dear Interested Party:

The Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at:

<https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days of the final publication.

Please contact this office if you have any questions regarding the application.

Sincerely,

A handwritten signature in blue ink that reads "Denise Lauerman". The signature is fluid and cursive, with the first name "Denise" and last name "Lauerman" clearly legible.

Denise Lauerman
Administrative Assistant 1

Enclosure(s)



State of Idaho

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WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082

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Brad Little
Governor

Gary Spackman
Director

February 11, 2021

EARL STONE
MARY STONE
275 S 5TH E
MOUNTAIN HOME, ID 83647

RE: Transfer No. 84657, 84656
Water Right No(s). 63-34985, 63-34986

Dear Interested Party:

The Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at:

<https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days of the final publication.

Please contact this office if you have any questions regarding the application.

Sincerely,

A handwritten signature in blue ink that reads "Denise Lauerman". The signature is fluid and cursive, with the first name "Denise" and last name "Lauerman" clearly distinguishable.

Denise Lauerman
Administrative Assistant 1

Enclosure(s)



State of Idaho

DEPARTMENT OF WATER RESOURCES

WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082

Phone: (208)334-2190 • Fax: (208)334-2348 • Website: www.idwr.idaho.gov

Brad Little
Governor

Gary Spackman
Director

February 11, 2021

BARBARA CARPENTER
TERRY CARPENTER
617 E RIVERVIEW CIR
MOUNTAIN HOME, ID 83647

RE: Transfer No. 84657, 84656
Water Right No(s). 63-34985, 63-34986

Dear Interested Party:

The Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at:

<https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days of the final publication.

Please contact this office if you have any questions regarding the application.

Sincerely,

Denise Lauerman
Administrative Assistant 1

Enclosure(s)



State of Idaho

DEPARTMENT OF WATER RESOURCES

WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082

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Brad Little
Governor

Gary Spackman
Director

February 11, 2021

HAMMETT LIVESTOCK CO
PO BOX 33
HAMMETT, ID 83627

RE: Transfer No. 84657, 84656
Water Right No(s). 63-34985, 63-34986

Dear Interested Party:

The Department of Water Resources (IDWR) is seeking written comment and/or recommendations from your organization regarding the above referenced water right application. You can find a copy of the application at:

<https://idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>.

IDWR can finish reviewing an unprotested application as soon as the protest period has past. Therefore, your prompt response to this request is appreciated. If your organization desires to formally protest the approval of this application, you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days of the final publication.

Please contact this office if you have any questions regarding the application.

Sincerely,

A handwritten signature in blue ink that reads "Denise Lauerman". The signature is written in a cursive, flowing style.

Denise Lauerman
Administrative Assistant 1

Enclosure(s)

Lauerman, Denise

From: Lauerman, Denise
Sent: Thursday, February 11, 2021 11:19 AM
To: 'legaldept@mountainhomenews.com'
Subject: ELMORE COUNTY Legal Notice - Application for Permit No. 63-34966, 63-34967, Transfer No. 84656, 84657
Attachments: Cover Letter Elmore County.docx; Legal Notice.docx

Good morning,

Please see the attached ad for publication on 02/17/2021 and 02/24/2021.

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 3/8/2021. Your cooperation is appreciated.

Please **confirm this is okay to publish as shown and send confirmation and all other correspondence to this email.**

Thanks much!
Denise

Denise Lauerman | *Administrative Assistant*
IDWR-Western Region
2735 W Airport Way, Boise ID 83705
(208).334.2190 | denise.lauerman@idwr.idaho.gov



State of Idaho

DEPARTMENT OF WATER RESOURCES

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Brad Little
Governor

Gary Spackman
Director

February 11, 2021

LEGAL NOTICE DEPARTMENT
MOUNTAIN HOME NEWS
PO BOX 1330
MOUNTAIN HOME, ID 83647-1330

RE: Application for Permit No. 63-34966, 63-34967
Transfer No. 84656, 84657
Water Right No(s). 63-34986, 63-34985

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 3/8/2021. Your cooperation is appreciated.

Sincerely,

Denise Lauerman
Administrative Assistant

Enclosure(s)

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

63-34966

AARON FUHRIMAN

7262 S ANGEL WAY

MERIDIAN, ID 83642-9294

Point of Diversion L8 (NESE) S10 T03N R10E ELMORE County Source GROUND WATER

Use: RECREATION STORAGE 01/01 to 12/31 5 AF

Total Diversion: 5 AF

Date Filed: 09-24-2020

Place Of Use: RECREATION STORAGE

T03N R10E S10 L8 (NESE)

Water bearing zone to be appropriated is from 0 to 15 feet.

63-34967

SPENCER HILL

5086 S BITTERCREEK AVE

MERIDIAN, ID 83642-7971

Point of Diversion L8 (NESE) S10 T03N R10E ELMORE County Source GROUND WATER

Use: RECREATION STORAGE 01/01 to 12/31 5 AF

Total Diversion: 5 AF

Date Filed: 09-24-2020

Place Of Use: RECREATION STORAGE

T03N R10E S10 L8 (NESE)

Water bearing zone to be appropriated is from 0 to 15 feet.

NOTICE OF PROPOSED CHANGE OF WATER RIGHT

TRANSFER NO. 84656

SPENCER HILL and SARA HILL, 5086 S BITTERCREEK AVE, MERIDIAN, ID 83642-7971 has filed Application No. 84656 for changes to the following water rights within ELMORE County(s): Right No(s). 63-34986; to see a full description of these rights and the proposed transfer, please see <https://research.idwr.idaho.gov/apps/waterrights/querynewtransfers>. The purpose of the transfer is to change a portion of the above rights as follows:

Spencer and Sara Hill (applicants) are property owners in Elmore County. The applicants filed transfer no. 84656 to change the nature of use, period of use, and place of use for water right 63-34986. The applicants propose changing the nature of use of a portion of the identified water right to cover the evaporative losses resulting from a pond proposed under application for permit no. 63-34967.

Scott King of SPF Water Engineering is the representative for the transfer. Mr. King can be reached at 208-383-4140 or sking@spfwater.com

TRANSFER NO. 84657

AARON FUHRIMAN and CAROLL FUHRIMAN, 7262 S ANGEL WAY, MERIDIAN, ID 83642-9294 has filed Application No. 84657 for changes to the following water rights within ELMORE County(s): Right No(s). 63-34985; to see a full description of these rights and the proposed transfer, please see <https://research.idwr.idaho.gov/apps/waterrights/querynewtransfers>. The purpose of the transfer is to change a portion of the above rights as follows:

Aaron and Caroll Fuhriman (applicants) are property owners in Elmore County. The applicants filed transfer no. 84657 to change the nature of use, period of use, and place of use for water right 63-34985. The applicants propose changing the nature of use of a portion of the identified water right to cover the evaporative losses resulting from a pond proposed under application for permit no. 63-34966.

Scott King of SPF Water Engineering is the representative for the transfer. Mr. King can be reached at 208-383-4140 or sking@spfwater.com

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Western Region office at (208)334-2190. Protests may be submitted based on the criteria of Idaho Code Sec. 42-222. Any protest against the proposed change must be filed with the Department of Water Resources, Western Region, 2735 W AIRPORT WAY, BOISE ID 83705-5082 together with a protest fee of \$25.00 for each application on or before 3/8/2021. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 2/17/2021 and 2/24/2021



RECEIVED

JAN 25 2021

WATER RESOURCES
WESTERN REGION

January 21, 2021

Idaho Department of Water Resources
2735 Airport Way
Boise ID 83705-2348

Subject: Transfer Applications

On behalf of our clients Fuhrman and Hill, please find enclosed Applications for Transfer of Water Right with associated fees offered as mitigation plans for associated Applications for Permit pending with your office.

Please let me know if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Scott N. King". The signature is fluid and cursive, with the first name "Scott" and last name "King" clearly legible.

Scott N. King, P.E.
Project Manager

File: 1606.0010

84650