

RECEIVED
FORM 202 Rev. 09/16
OCT 03 2018

IDWR / NORTH

82745
STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

Ident. No. 96-9726

1. Name of applicant(s) Todd Harkins Phone 208-255-1404
Name connector (check one): ☐ and ☐ or ☐ and/or
Mailing address 24 Shiras Drive City Sandpoint
State Idaho ZIP 83864 Email todd_julie@frieds.org
2. Name of representative, if any Brian Domke Phone 208-610-9853
Mailing address PO Box 711 City Sagle
State Idaho ZIP 83860 Email brian.domke@gmail.com
- a. ☐ 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.
- b. ☒ 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.
3. Source of water supply unnamed stream (seasonal) which is a tributary of syringa creek
4. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #
57N	2W	16			NW	SW	Bonner	Unnamed Stream	

5. Water will be used for the following purposes:
- Amount 4.2 af for wildlife storage purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per year)
- Amount 4.2 af for recreation storage purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per year)
- Amount 6.0 af for irrigation storage purposes from 1/1 to 12/31 (both dates inclusive)
(cfs or acre-feet per year)
- Amount 6.0 af for irrigation from storage purposes from 4/1 to 10/31 (both dates inclusive)
(cfs or acre-feet per year)
6. Total quantity to be appropriated is (a) _____ cubic feet per second (cfs) and/or (b) 10.4 acre-feet per year (af).
7. Proposed diverting works:
- a. Describe type and size of devices used to divert water from the source. In stream pond with berms less than 4' high, allowing overflow to continue downstream.
- b. Height of storage dam <4' feet; active reservoir capacity 3.6 acre-feet; total reservoir capacity 3.6 acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 12. For dams 10 feet or more in height AND having a 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 ☐ No
- c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.
- d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☐ No
- e. If well is already drilled, when? _____; drilling firm _____
well was drilled for (well owner) _____; Drilling Permit No. _____

Received by ja Date 10-3-18 For Department Use
Fee \$ 1000 Receipt by ja Receipt No. N033800 Preliminary check by _____
Date 10-3-18

8. Description of proposed uses (if irrigation only, go to item 9):
- Hydropower; show total feet of head and proposed capacity in kW. _____
 - Stockwatering; list number and kind of livestock. 4 head cattle
 - Municipal; must complete and attach the [Municipal Water Right Application Checklist](#).
 - Domestic; show number of households _____
 - Other; describe fully. Wildlife water access during dry season, private recreation and pasture irrigation.

9. Description of place of use:

- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- 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	
57N	2W	16										2							2
												W, R							
												S							

Total number of acres to be irrigated: 2.0

10. 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? _____
11. 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: _____
12. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. In stream pond with berms under 4' high, approximate size 70' average width, 120' average length, 12' average depth.
13. Time required for completion of works and application of water to proposed beneficial use is 4 years (minimum 1 year).
14. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map or maps clearly identifying the proposed point of diversion, place of use, section #, township & range. The map scale shall not be less than two (2) inches equal to one (1) mile.

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

Todd Harkins
Print Name (and title, if applicable)

Signature of Applicant

Print Name (and title, if applicable)

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Ident. No. _____

Season of Use/Purpose of Use Supplement

Attachment to: ☒ Application for Permit to Appropriate Water ☐ Adjudication Claim ☐ Beneficial Use Field Report
☐ Application for Amendment of Permit ☐ Statutory Claim

Water will be used for the following purposes:

Amount <u>0.1 af</u> (cfs or acre-feet per year)	for <u>stockwater storage</u>	purposes from <u>1/1</u> to <u>12/31</u> (both dates inclusive)
Amount <u>0.1 af</u> (cfs or acre-feet per year)	for <u>stockwater from storage</u>	purposes from <u>1/1</u> to <u>12/31</u> (both dates inclusive)
Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)
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Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)
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Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)
Amount _____ (cfs or acre-feet per year)	for _____	purposes from _____ to _____ (both dates inclusive)

Total Storage Calculations

FILE NUMBER	App
REVIEWER	Adam Frederick
DATE	9/25/2018

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.)	0.3	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	12	"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)	3.6	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)	6.1	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)	0.3	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.3	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	10.4	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)	1.00	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)	3.34	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)	0.00	"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)	0.00	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	2	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	101	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
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho
Appendix – A
POND WATER USE CALCULATIONS

Name of Applicant: Todd Harkins

Mailing Address: 24 Shiras Dr., Sandpoint, ID 83864

Source of Water Supply: Unnamed Stream (Seasonal), Tributary to Syringa Creek

Township: 57N, Range: 02W, Section: 16

Pond 1 Capacity:

Average Pond Width = 70 Feet

Average Pond Length = 120 Feet

Average Pond Depth = 12 Feet

70 Feet Wide x 120 Feet Long x 12 Feet Deep = 100,800 Cubic Feet or 2.31 Acre Feet

Irrigation:

2.0 Acres x 3.0 Acre Feet = 6.0 Acre Feet

Stockwater:

4 Head Stock x 10 GPD x 365 Days / 325,850 GAL/AF = 0.05 Acre Feet

Prepared By:



phone: 208.610.9853 address: PO Box 711, Sagle, Idaho 83860

Application for Water Right - Harkins Pond



9/21/2018, 7:09:30 AM

- Areas

POU

POU

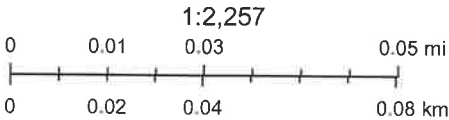
POD
- Quarter Quarter

Section

Township/Range

Idaho Outline

Idaho Mask
- Counties



Esri, HERE, Garmin, © OpenStreetMap contributors, Created by NRCS from 1:24,000 scale USGS topographic maps., Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Alleman, Tammy

From: Alleman, Tammy
Sent: Friday, October 12, 2018 11:48 AM
To: June.Bergquist@deq.idaho.gov; Siitari,Kiira
Cc: 'Anna.Moody@deq.idaho.gov'
Subject: Request for Comments on Application for Permit #96-9726
Attachments: 96-9726 Application for Permit.pdf

Dear Interested Agencies:

The Department of Water Resources is seeking written comment and/or recommendations from your agency regarding the above referenced water right applications. You can find copies of the applications attached to the email and also at: <http://www.idwr.idaho.gov/apps/ExtSearch/WRAJSearch/WRADJSearch.aspx>.

This office can publish notice of the applications as soon as the initial review is completed; therefore, your prompt response to this request is appreciated. If your agency desires to formally protest the approval of the application(s), you may do so after the notice is published by filing a written protest along with a \$25.00 filing fee within 10 days after final publication. The deadline for comments on the applications is November 5, 2018.

Please contact the Northern Region Office at (208) 762-2800 if you have any questions regarding the applications.

Thank you,

Tammy

*Tammy Alleman
Administrative Assistant
Idaho Department of Water Resources
7600 North Mineral Drive, Suite 100
Coeur d'Alene, ID 83815
Tammy.Alleman@idwr.idaho.gov
208-762-2800 Phone
208-762-2819 Fax*



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region • 7600 N. Mineral Drive, Suite 100 • Coeur d'Alene, Idaho 83815-7763
Phone: (208) 762-2800 • Fax: (208) 762-2819 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

October 11, 2018

TODD HARKINS
24 SHIRAS DR
SANDPOINT, ID 83864

Application For Permit No. 96-9726

Dear Applicants:

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

A legal notice of the application has been prepared and is scheduled for publication in the BONNER COUNTY DAILY BEE on 10/18/2018 and 10/25/2018. 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 permit.

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

Sincerely,

Tammy Alleman
Administrative Assistant

CC:

BRIAN DOMKE
PO BOX 711
SAGLE, ID 83860

Alleman, Tammy

From: Alleman, Tammy
Sent: Thursday, October 11, 2018 2:33 PM
To: 'bcdblegals@cdapress.com'
Subject: Legal Notice
Attachments: 96-9724 & 96-9726 Legal Notice.doc

Please publish the enclosed legal notice in the **Bonner County Daily Bee** on the dates indicated October 18th and October 25th (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately. Please send a proof once you have the article ready for print for our review.

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 11/05/2018. Your cooperation is appreciated.

Thank you,

Tammy

*Tammy Alleman
Administrative Assistant
Idaho Department of Water Resources
7600 North Mineral Drive, Suite 100
Coeur d'Alene, ID 83815
Tammy.Alleman@idwr.idaho.gov
208-762-2800 Phone
208-762-2819 Fax*

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

96-9724

MARK HIXSON
MICHELLE HIXSON
3784 COLBURN CULVER RD
SANDPOINT, ID 83864
Point of Diversion SWSW
S3 T58N R01W
BONNER County
Source GROUSE CREEK
Tributary PACK RIVER
Use: IRRIGATION
04/01 to 10/31 0.06 CFS
Total Diversion: 0.06 CFS
Date Filed: 9/27/2018
Place Of Use: IRRIGATION
T58N R01W S3 SWSW
Total Acres: 2

96-9726

TODD HARKINS
24 SHIRAS DR
SANDPOINT, ID 83864
Point of Diversion NWSW
S16 T57N R02W
BONNER County
Source UNNAMED STREAM
Tributary SYRINGA CREEK
Use: IRRIGATION FROM STORAGE
04/01 to 10/31 6 AF
Use: IRRIGATION STORAGE
01/01 to 12/31 6 AF
Use: RECREATION STORAGE
01/01 to 12/31 4.2 AF
Use: STOCKWATER FROM STORAGE
01/01 to 12/31 0.1 AF
Use: STOCKWATER STORAGE
01/01 to 12/31 0.1 AF
Use: WILDLIFE STORAGE
01/01 to 12/31 4.2 AF
Total Diversion: 10.4 AF
Date Filed: 10/3/2018
Place Of Use: WILDLIFE STORAGE
T57N R02W S16 NWSW
Place Of Use: RECREATION STORAGE
T57N R02W S16 NWSW
Place Of Use: IRRIGATION STORAGE
T57N R02W S16 NWSW
Place Of Use: STOCKWATER STORAGE
T57N R02W S16 NWSW
Place Of Use: STOCKWATER FROM STORAGE
T57N R02W S16 NWSW
Place Of Use: IRRIGATION FROM STORAGE
T57N R02W S16 NWSW
Total Acres: 2

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Northern Region office at (208) 762-2800. Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Northern Region, 7600 N MINERAL DR STE 100, COEUR D'ALENE ID 83815-7763 together with a protest fee of \$25.00 for each application on or before 11/5/2018. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 10/18/2018 and 10/25/2018