

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-15169

Exam Date: 6/28/24

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- X Irrigation of 5 acres or less
 - N/A Storage of up to 14.6 AF for stockwater purposes only
 - N/A Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less.
 - N/A Other < >

2. Current Owner: CHRISTOPHER J & SHELLEY A HEALY

Owner of Record Correct? X Y NAddress of Record Correct? X Y N

If No Explain:

- Bonner County Tax Parcel information shows Christopher J Healy and Shelley A Healy as the owners of the property RP56N03W042300A. I don't see any issues with the ownership of this permit or proposed license.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C1182584. **SOURCE:** Pend Oreille River **TRIBUTARY:** Columbia River

Method of Determination: ArcMap GIS and Tax Parcel Data.

Change in Source: Y X N**B. OVERLAP REVIEW**1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
96-7301	Groundwater	Domestic	License

Comments: 96-7301 was a License Dorothy and Robert Kellogg with a 1974 priority date. They have not filed a claim in the CFRBA for this license. The License stated they had 34 acres so I would assume they have split this off and they do not own the parcel for this water right. The source was groundwater so there is no concern with the POD.

2. Other water rights with the same point of diversion: X No Overlap**C. DIVERSION AND DELIVERY SYSTEM**1. **LOCATION OF POINT(S) OF DIVERSION:**

PEND OREILLE RIVER SE¼ NE¼, Sec. 4, Twp 56N, Rge 03W, B.M. BONNER County

Method of Determination: GIS and Tax Parcel Data.

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
56N	03W	4				0.2 L5													0.2

Total Acres: 0.2

Method of Determination: GIS and Tax Parcel Data.

Change in POD? Y X N Amendment Required? Y X N

3. Delivery System Diagram Attached (required). Indicate all major components and distances between components.
☒ X Indicate weir size/pipe as applicable.

- ☒ X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

- ☒ X Aerial Photo Attached (required for irrigation of 10+ acres).

- ☒ X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
SUBMERSIBLE PUMP	FRANKLIN	3/4		10FV07P4-2W230	13M14 10 02288A

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurement required for an in-office exam.

E. FLOW CALCULATIONS

Measured Method: Measurement = 0.2 ac x 0.03 cfs = 0.006 cfs or 0.01 cfs based on department rounding standards.
 Permit allowed = 0.03 cfs

Comments: The Applicant submitted an email with the information on the pump which is attached. A 3/4 hp Franklin Electric submersible pump diverts from the river via a 1 1/2 inch intake pipe. The pump paperwork indicates that it produces 10 gpm.

Due to flow measurements not being required, I'm recommending a diversion rate based on Administrative Memo – Application Processing No. 17, which authorizes up to 0.03 cfs per acre for small acreage irrigation. Generally, a pump used to divert water from the river is slightly oversized regarding diversion capacity; this is required to achieve elevation lift while maintaining adequate head pressure to effectively irrigate the lawn space. I've recommended **0.03 cfs** for licensing purposes.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.2 \text{ ac} \times 3.0 \text{ afa} = 0.6 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 12.7$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.6 \text{ af}$$

2. Volume Calculations for Other Uses: Surface water (river) source, this irrigation water use is exempt from volume reporting requirements in accordance with IDAPA 37.03.02 Beneficial Use Examination Rules (Rule 035).

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock ☐ N/A ☐ Domestic # of Homes: ☐ N/A ☐

Other: < N/A >

Change in Purpose of Use? ☒ X ☐ N

Method of Determination: Tax lot data, ArcMap aerial imagery, Bonner County GIS software, pump information and information assessed on the Statement of Completion form.

G. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. I do not have any overlapping concerns with water rights toward licensing this permit. Review of aerial imagery from Bonner County GIS maps, Google Earth, and ArcMap software clearly illustrates the irrigated area. Irrigation is for lawn area located at 211 N Riviera, Sandpoint, ID 83864. The Statement of Completion provides adequate information to fully recommend licensing for irrigation of 0.2 acres. During licensing review, I used ArcMap aerial imagery to trace out the area discussed which coincides with Bonner County GIS tax parcel maps.

The Applicant's water system was developed using a screened intake with a ¾ hp Franklin Electric submersible pump and 20-feet of lift to the irrigation system with 10 small birds eye sprinkler heads. The Applicant asserts the system was set up with a 10-gpm pump capacity which is equivalent to 0.03 cfs based on Department rounding standards, which is what I am recommending.

IDAPA 37.03.02 Beneficial Use Examination Rules designate irrigation using this surface water river source is exempt from volume reporting requirements. There is no maximum diversion volume or annual diversion volume recommended for licensing. Condition X31 provides annual volume limitations for the recommended irrigation beneficial use.

The permit holder asserts by declaration in step No. 6 on the Proof of Beneficial Use form that a fish screen is installed on the system. Idaho Fish and Game didn't comment or require a screen be installed on this existing water system. I have removed condition 029 from the permit based on this information.

Condition X31 designates the maximum annual volume equaling 0.6 afa. I recommend keeping condition 004; while the POD is located within the applicant's river frontage parcel, Idaho Department of Lands (IDL) regulates the river up to the high-water line.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	0.03 CFS	0.6 AF
<u>Totals:</u>		0.03 CFS	0.6 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION

Tammy Alleman – Water Resource Agent

Field Examiner's Name: Tammy Alle Date: 6/28/24
 Reviewer: Chase Bell Date: 7/17/2024

Alleman, Tammy

From: Shelley Andersen Healy <43shell@gmail.com>
Sent: Friday, June 28, 2024 7:58 AM
To: Alleman, Tammy
Subject: Re: Pump Information Request
Attachments: image001.jpg; 20240628_075428.jpg

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Found it. Picture of manual attached IF YOU NEED MORE INFO.
Model: Franklin 10FV07P4-2W230
Shelley Healy CRS.
Century 21 RiverStone Realty.
cell: 208-290-5453

On Wed, Jun 26, 2024, 10:25 AM Alleman, Tammy <Tammy.Alleman@idwr.idaho.gov> wrote:

Hi Shelley,

I was in a meeting when you called back. I apologize for not emailing you. I thought I had done that, I need the Make Model and HP of the pump you have for pulling water from Pend Oreille River for Watter Right #96-15169. If you have the paperwork on the pump, you can email it to me.

If you have any questions or concerns, please contact me at (208) 762-2809.

Thank you,

Tammy Alleman

Water Resources Agent

Idaho Department of Water Resources, Northern Region

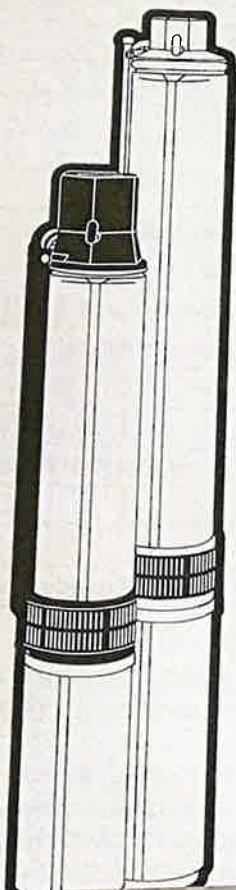
7600 N Mineral Drive, Suite 100

Coeur d'Alene, ID 83815-7763



Franklin Electric

4" and 6" SUBMERSIBLE PUMPS OWNER'S MANUAL



WARNING

AVOID SERIOUS OR FATAL SHOCK BY DISCONNECTING POWER BEFORE WORKING ON OR AROUND THIS WATER SYSTEM. HAVE WORK PERFORMED BY TECHNICALLY QUALIFIED PERSONNEL COMPLYING WITH ALL GROUNDING AND CODE REQUIREMENTS.

THIS LABEL IDENTIFIES THE FRANKLIN SUBMERSIBLE MOTOR USED IN THE WELL. PLEASE DISPLAY PROMINENTLY. A SUGGESTED LOCATION IS THE DISCONNECT BOX.

2445079004 HP 3/4 KW 0.55 PH 1
230 RPM 3450 HZ 60
S.F. MAX. AMP 8.0
KVA CODE N CONT. DUTY
CSA CERTIFIED



Franklin Electric
www.franklin-electric.com

READ AND FOLLOW SAFETY INSTRUCTIONS

FPS
Series V

Submersible Pump

PUMP MODEL/MODELE DE POMPE **10FV07P4-2W230**

ORDER NO./NO. DE COMMANDE **9540-1015**

10GPM, 8STG, PLASTIC 3/4HP, 2-WIRE, 230V
INSTALLATION DATE _____ DATE CODE **13M14**

WELL DEPTH _____ PUMP SET DEPTH _____

S/N **13M14 10 02288A**

DISPLAY LABEL PROMINENTLY ON THE FUSE DISCONNECT BOX.
AFFICHER L'ETIQUETTE APOSE SUR LA BOITE DE DISJONCTEUR DE FUSIBLES.



Franklin Electric

Replace missing or damaged safety labels.

WARNING



Hazardous voltage.
Can shock, burn, or
cause death.

Ground pump before
connecting to power
supply. Disconnect
power before working
on pump, motor
or tank.

WARNING

Wire motor for correct voltage.
See "Electrical" section of this
manual and motor nameplate.

WARNING

Ground motor before connecting
to power supply.

WARNING

Meet National Electrical Code,
Canadian Electrical Code, and
local codes for all wiring.

WARNING

Follow wiring instructions in this
manual when connecting motor
to power lines.



106467101
Rev. 10
06.13

Gregg Appraisal
LOCATION MAP ADDENDUM

Attachment (D)

File No. ~~18008~~
Case No. ~~18008~~

Borrower	Christopher Healy						
Property Address	211 North Riviera						
City	Sandpoint	County	Bonner	State	Id	Zip Code	83864
Lender/Client	~~CFEWA~~						
Address	~~4154 N. Highway 200, Ste. #200, Boise, ID 83713~~						

