

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

A. GENERAL INFORMATION

Permit No: 97-9674

Exam Date: 09/10/2024

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

2. Current Owner: ALAN ROBINSON AND/OR SHARON ROBINSON

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

If No Explain:

- Bonner County Tax Parcel information shows Alan M & Sharon A Robinson as the owner(s) of parcel RP059620010320A. 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: C1181314. **SOURCE:** Priest Lake**TRIBUTARY:** Priest River

Method of Determination: ArcMap GIS and Tax Parcel Data.

Change in Source: Y X N**B. OVERLAP REVIEW**

- Other water rights with the same place of use: NO Overlap
- Other water rights with the same point of diversion: NO Overlap

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
PRIEST LAKE			SW	SE	28	61N	04W	B.M.	BONNER

Method of Determination: ArcMap aerial imagery and Bonner County GIS tax parcel maps.

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

2. Place of Use: DOMESTIC

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
61N	04W	28															X		
		Lot #															L8		

Method of Determination: GIS and tax parcel data.

Change in POU? X N Amendment Required? X N

3. Diversion System Information:

Description: Intake pipe with pump diverting from the lake to domestic water system.

 Delivery System Diagram Attached. (mark all major components and distances between components) X Aerial Photo Attached (required) Photo of Diversion and System Attached

3. Diversion Id No.*	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
LAKE PUMP	Unknown	0.5	18E140712309R	Unknown	Unknown

D. FLOW MEASUREMENTS

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

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

E. FLOW CALCULATIONS

Domestic:

Measurement = 1 home authorized a diversion rate of 0.04 cfs based on Administrator's Memorandum, Application Processing No. 22: Definition of "Domestic".

- Theoretic Pump Equation used to derive diversion rate: $Q = [(8.8) \times (HP) \times (Efficiency\%)] / (H - \text{total head})$ or $(8.8 \times 0.5 \times 0.7) / (2.31 \times 40\text{psi}) = 3.08 / 92.4 = 0.033$ or **0.03 cfs** considering Department rounding standards.

Permit allowed = 0.04 cfs

License Recommendation = **0.03 cfs** – pump capacity is the limiting factor for maximum diversion rate recommended for licensing.

Comments:

I requested water system diverting works information and the applicant's representative(s) supplied details by email asserting a 0.5 HP pump motor is installed in the diversion system with a static system pressure of 40 psi. The maximum pump capacity of 0.03 cfs is the most I'm able to recommend for licensing purposes.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

2. Volume Calculations for Other Uses: Maximum Diversion Volume = **1.2 af**.

G. PURPOSE OF USE

Irrigation N/A # Stock N/A Domestic # of Homes: 1

Other: < N/A >

Change in Purpose of Use? X N

Method of Determination: Tax lot data and information assessed on the Statement of Completion form.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. There are no overlapping water right concerns toward this Permit. I used the ArcMap Permit POD centroid to assign the License POD. The Permit Holders diversion works includes a ½ HP lake pump to intake pipe routing up slope on the parcel to the residence for domestic water usage. I reviewed Department records for groundwater well information applicable to the QQ/Q legal description and there are no wells on record in the SW1/4SE1/4 QQ/Q (both L8 & non-government lot portions) legal description. This indicates the surface water source is the Permit Holders' domestic water source for their property. I've recommended 0.03 cfs for licensing the domestic beneficial use. The applicant's representative, Andrew Buckley, provided details regarding Mr. Robinson's water system located at 40 Coho Ln, Coolin ID 83821 by email on 8/31/2024 following up on my request for information to the Permit Holder. I've attached the email correspondence and photographs for illustrative purposes.

I used ArcMap aerial imagery and Bonner County GIS tax parcel maps to evaluate the domestic POU. Bonner County tax information reflects a year-built date of 1980 for parcel RP15962001320A. I've recommended the annual diversion volume of **1.2 af** which equals the Maximum Diversion Volume designated for licensing purposes. The annual volume includes in-home domestic use and up to ½ acre irrigation for lawn/landscape/garden watering.

The permit holder asserts by declaration in step No. 7 on the Statement of Completion form No. 217 Rev. 6/22 that a fish screen was not installed; I reviewed the backfile and there are no Idaho Fish & Game (IDFG) comments requiring a fish screen. I've removed condition 029 from the permit based on this information as screening requirements wasn't recommended by IDFG for this previously existing water system. I added condition X60 to the Permit describing the domestic POU being on a parcel within a named subdivision. All other conditions shall be carried to license approval.

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

I. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
DOMESTIC	01/01 to 12/31	0.03 CFS	1.2 AF
<u>Totals:</u>		0.03 CFS	1.2 AF

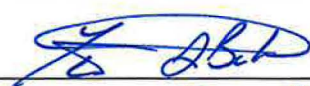
2. Recommended Amendments:

☐ 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

Other: < N/A >

J. AUTHENTICATION Luke Bates – Sr Water Resource Agent

Field Examiner's  Date 9/10/2024

Reviewer  Date 1/22/2024

Field Exam Map(s): 40 Coho Ln, Coolin ID 83821. Lot 32, Blk 1; Woody's Point Subdivision.

Bonner County Tax Parcel map retrieved from www.bonnercountyd.gov on 9/10/2024



Zoom to

Parcel

PIN	RP059620010320A
Owner1	Robinson, Alan M & Sharon A
Owner2	
Property Class Description	537-Resid improv on cat 15
Tax Code Area	1360000
Last Assessed Value	1065486
Acres	0.630
Legal Description	27/28/33-61N-4W WOODY'S POINT BLK 1 LOT 32 JTWR5

Deed1: [887009](#)
 Deed2: [881274](#)
 Deed3: [881273](#)
 Deed4:
 Deed5:



Tax Parcel No. RP059620010320A

Bates, Luke

From: Andrew Buckley <zymurgist626@gmail.com>
Sent: Saturday, August 31, 2024 5:40 PM
To: kathleen sperling; Bates, Luke
Subject: Re: ROBINSON Permit#97-9674

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.

Luke,

Here are the pictures you need:

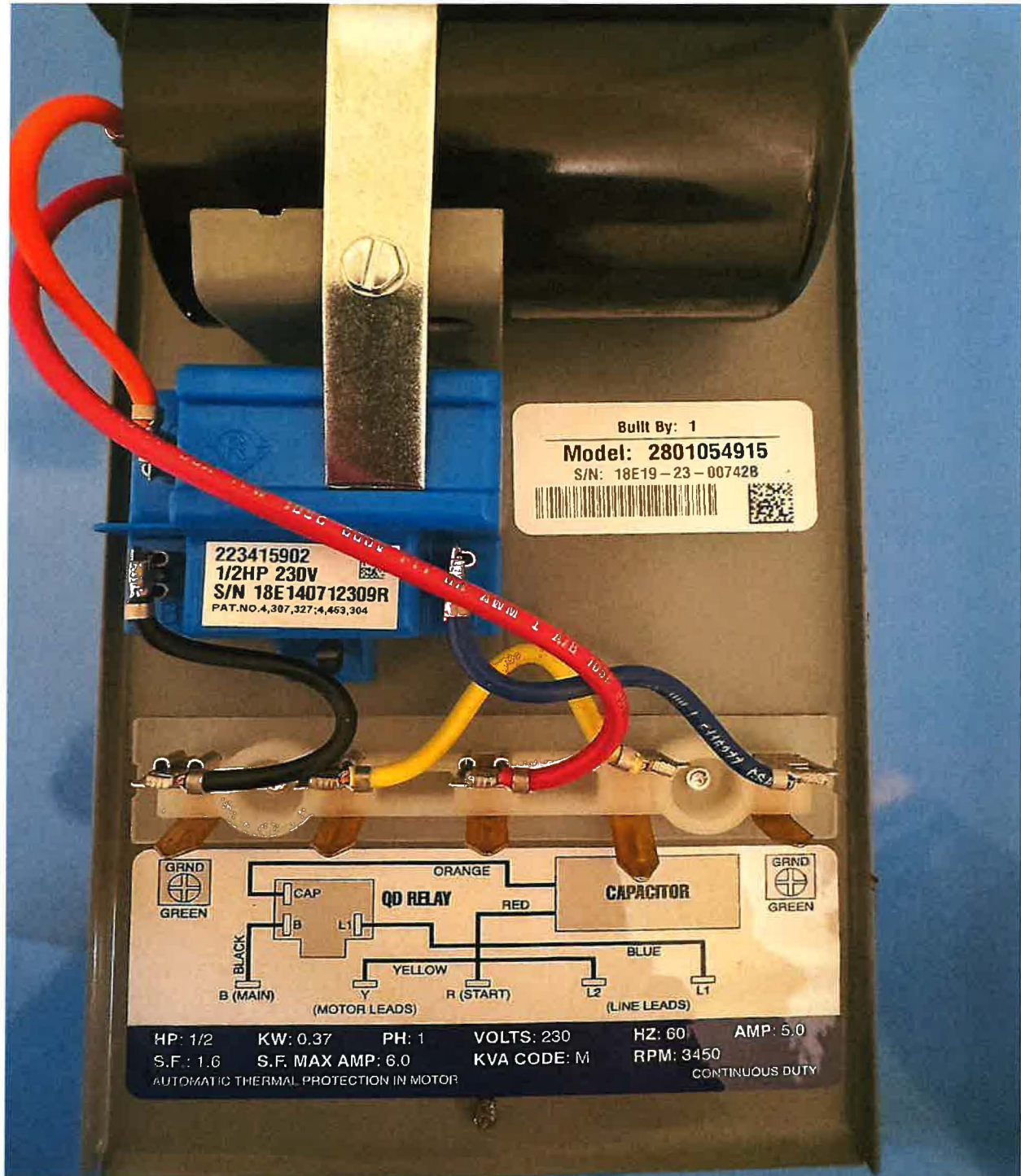
- 1) Relay -
- 2) picture of pressure tank and line coming into the home

<https://imgur.com/gallery/0NDAmZy>

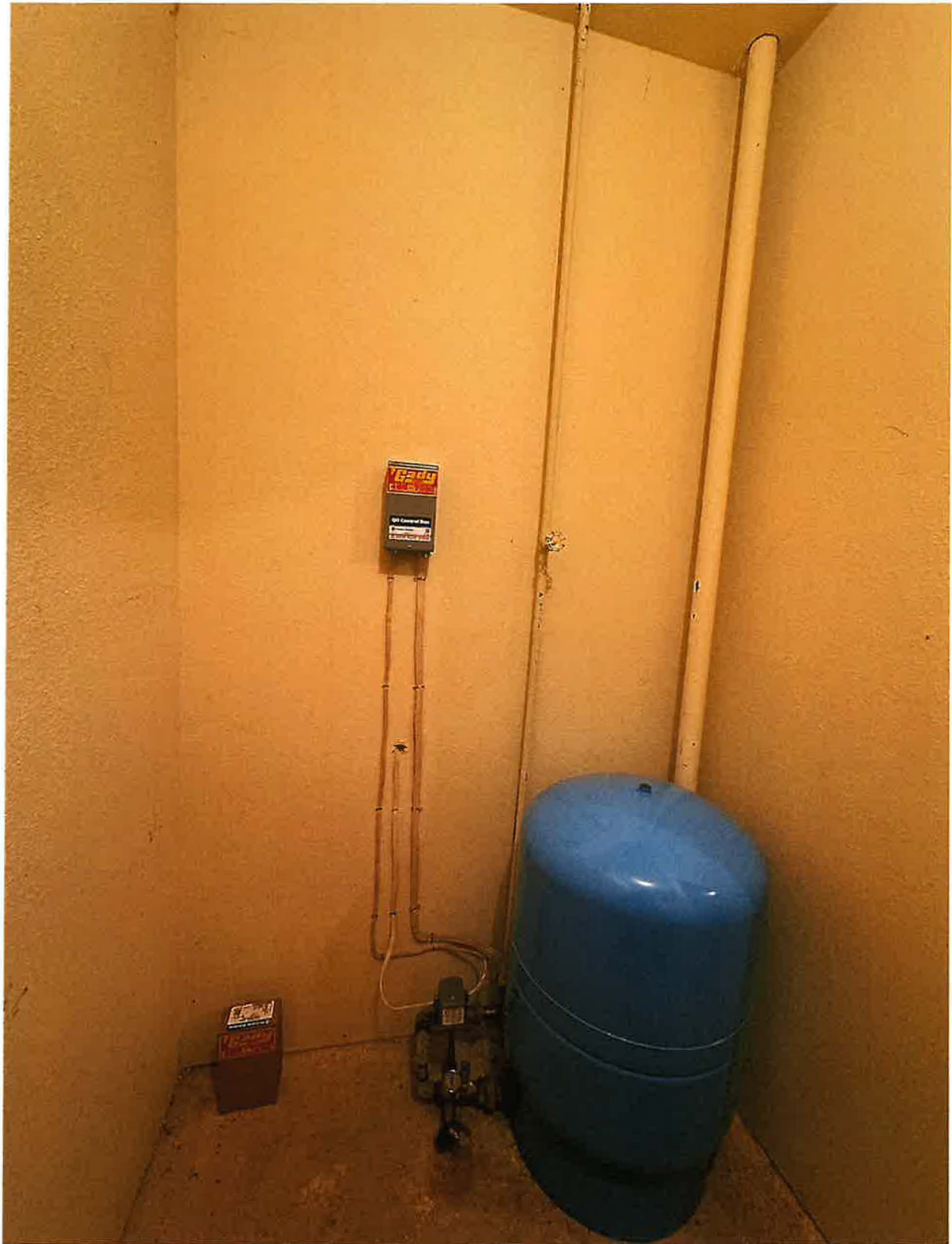
97-9674

IN-OFFICE BENEFICIAL USE FIELD EXAMINATION

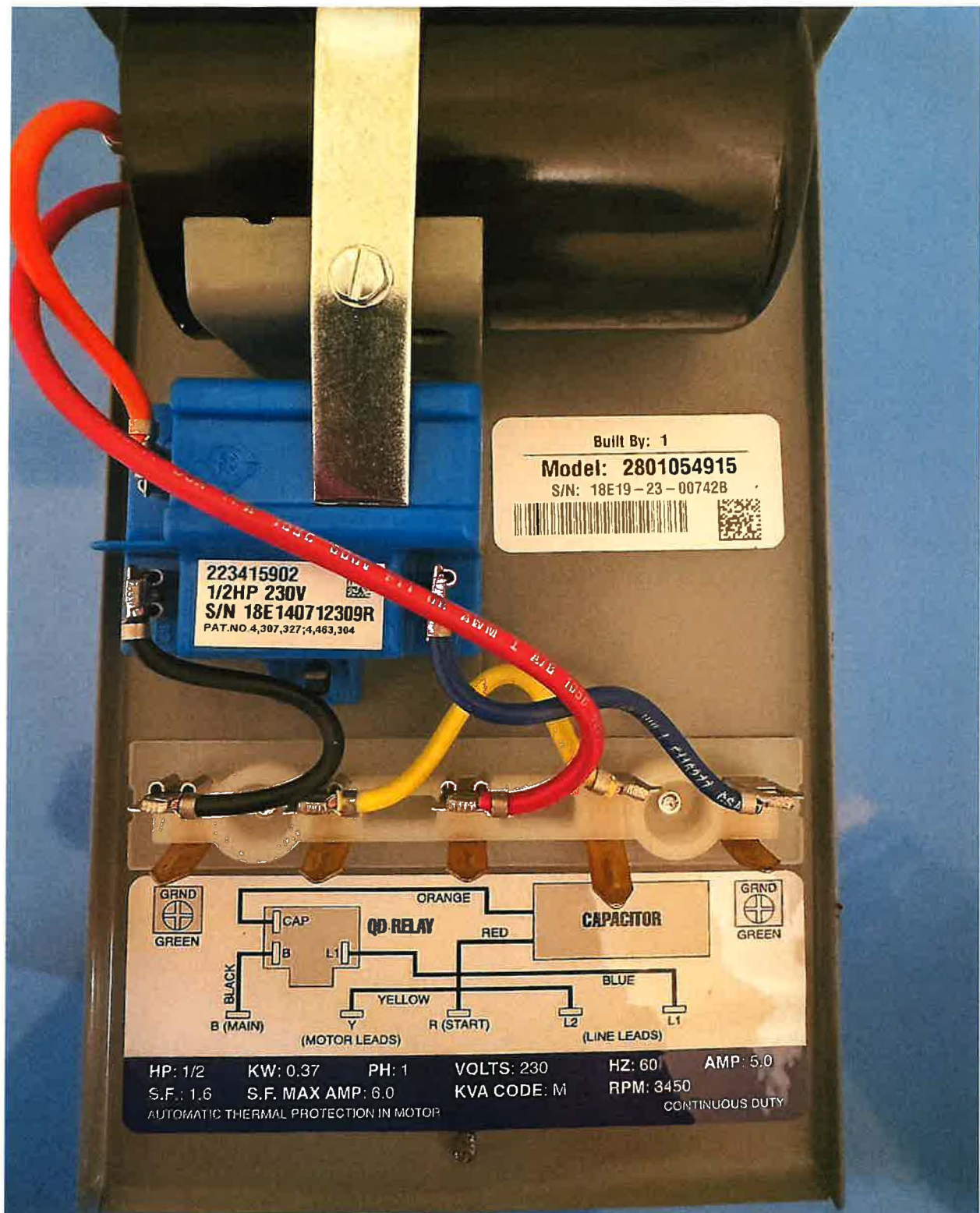
PERMIT HOLDER SUBMITTED WATER SYSTEM PHOTOGRAPHS – RECEIVED BY
EMAIL ON 8/31/0224 (EMAIL CORRESPONDENCE ATTACHED TO B.U. REPORT



1/2 HP RELAY CONTROL PANEL MODEL 2801054915



WATER CONVEYANCE SYSTEM – RESIDENCE SIDE WATER CONNECTION



DIVERTING PUMP MOTOR RELAY CONTROL PANEL – ½ HP S/N 18E140712309R



WATER SYSTEM PRESSURE TANK – STATIC PRESSURE



On Mon, Aug 12, 2024 at 12:14 PM kathleen sperling <kathleen_sperling@yahoo.com> wrote:
Hey, "zymurgist626!" Gotcha now! Please see email thread below, and if you do send a follow up email, include a correction to your email address for Mr. Bates. Thanks.

Kathleen

Begin forwarded message:

From: "Bates, Luke" <Luke.Bates@idwr.idaho.gov>
Subject: RE: ROBINSON Permit#97-9674
Date: August 12, 2024 at 9:57:00 AM PDT
To: kathleen sperling <kathleen_sperling@yahoo.com>
Cc: Andrew Buckley <abuckley@cisco.com>

Good morning Kathleen & Andrew.

Thank you for reaching out regarding Permit 97-9674.

- Yes, tentatively I had scheduled to meet with Alan Robinson on September 2nd. I didn't realize that day may be a holiday until after speaking with Alan. I had plans to reach out closer to the time to see if he would be up there on the Friday 30th which I can make happen.
- If Alan or Andrew is able to collect certain data and email the information with a couple of pictures, I should be able to wrap up the licensing process without any issues.
 - Primarily, determining the pump motor HP as installed is what I need. Often, there will be a pump relay control panel that has a data plate or some information regarding make/model that will illustrate HP. If it's a Franklin brand pump motor the gray relay control panel has a data plate with information on a white tag; a picture of that sent forward satisfies the requirement. If it's a variable frequency drive pump motor there may not be a data plate, but the brand and model should be represented on the relay control panel. Often these panels are in the same area as the pressure tank for the system.
 - Water use for domestic purposes, a photograph of the pressure tank and water line coming into the home, if possible, satisfies this requirement.

If Alan or Andrew can get that to me no site visit is necessary. If not, I will need to meet up on the property at some point this fall to observe the water system; I'm flexible with time frames and am certain we can identify a time that works better for Alan or Andrew, but unfortunately as a State employee I'm not authorized to work on federal holidays.

Please do let me know how you all would like to proceed.

V/r,
Luke Bates
Sr. Water Resource Agent
Northern Region
P: 208-762-2817



IDAHO DEPARTMENT OF
WATER RESOURCES
7600 N. Mineral Dr., Suite 100
Coeur D'Alene, ID 83815-7763

From: kathleen sperling <kathleen_sperling@yahoo.com>

Sent: Friday, August 9, 2024 9:44 AM

To: Bates, Luke <Luke.Bates@idwr.idaho.gov>

Cc: Andrew Buckley <abuckley@cisco.com>

Subject: ROBINSON Permit#97-9674

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.

Mr. Bates —

My name is Kathleen Sperling (619-961-5250). I am the daughter of Alan and Sharon Robinson (40 Coho Lane). There has recently been a health crisis and I am assuming correspondence on their behalf at this time. I apologize for the lag in communication during this transition time. I am available to address your questions. My dad Alan is an adequate contact, but for all official communication and scheduling, please direct questions and concerns to me.

Al says that he has scheduled with you for a site visit at some point during the days of August 30-September 2. Can you confirm that?

In the event that you do meet with my dad at the property, I would like to introduce you to his son-in-law Andrew Buckley (cc'd above). He will also be on property during Aug 30-Sept 2. He is knowledgeable about the property, and will be assisting Alan with all issues related to 40 Coho Lane for the time being. Please communicate openly with him.

To your questions below:

- 1) If Al has a copy of the pump install invoice, we have not seen it. He says that all of this information was sent to you previously, and references a correspondence dated April 2024.
- 2) He is not able to send any new information at this time. He does not currently have access, and I am not local (California).
- 3) 40 Coho Lane is not connected to any other water system or underground water well source.

Please let me know how I may be of help moving forward.

Best —

Kathleen Sperling
619-961-5250
kathleen_sperling@yahoo.com

From: **Bates, Luke** <Luke.Bates@idwr.idaho.gov>
Date: Fri, Jul 12, 2024 at 9:44 AM
Subject: IDWR water permit 97-9674 license review request for information
To: brinkley4us@gmail.com <brinkley4us@gmail.com>

Mr. Alan M Robinson

Good morning. I've been tasked with licensing review for Permit **97-9674**, which authorized development of Priest Lake water diversion for Domestic use 1 home with up to ½ acre irrigation. I note your Statement of Completion was re-received by the Department on 4/23/2024.

The next step is a beneficial use field examination, which I plan to attempt accomplishing via an In-Office exam process. To expedite finalizing this permit for license approval I'm requesting additional water system information related to the lake water pumping diversion system:

1. Do you have a copy of your pump install invoice which describes the pump make/model & horsepower (HP) of the pump? If not, there may be a gray relay control panel associated with the pump motor which typically has a data plate describing the HP paired with the pump. If possible, could you send me a copy of the invoice (redact sensitive information) and a photograph of the relay control panel box and close-up of the data plate (not required but helpful)?
2. If you have any photographs taken from during the project install that illustrate pump components I would appreciate if you're able to send a couple forward for use in the beneficial use report (not required but beneficial to the licensing file).
3. Please verify that your home is not service connected to any other community water systems and/or a private groundwater well source.

Thank you in advance for considering the questions detailed above.

Please do respond to this email within 7 days, NLT 7/19/2024, as I work to finalize it for license approval. If I'm unable to obtain adequate information I may need to complete a site visit to complete the field examination process.

Thank you,
Luke Bates
Sr. Water Resource Agent
Northern Region
P: 208-762-2817

 IDAHO DEPARTMENT OF
WATER RESOURCES
[7600 N. Mineral Dr., Suite 100](#)
[Coeur D'Alene, ID 83815-7763](#)