

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
In-Office Beneficial Use Examination

1. ☒ Copy of Permit
2. ☒ Copy of proof of beneficial use
3. ☒ Copies of amendments/orders
4. ☒ Qualifies under Rule 35.01.r (IDAPA 37.03.02)
5. ☒ Point of Diversion (POD)

Township 22N, Range 19E, Section 7, QQ NENWSW

Method used to determine POD: GPS location provided by owner.

6. ☒ Place of Use (POU)

Township 22N, Range 19E, Section 7, QQ NWSW

Method used to determine POU: 2019 aerial photography, GPS location provided by owner.

7. ☐ NO ☐ POD and POU match Permit Approval:

The POD and POU reside in the same QQ. GPS locations provided did not match the locations described on the permit. Amendment is needed.

8. ☒ Aerial photo of place of use
9. ☐ N/A Well driller's report
10. ☐ NWD Within a water district? (WD#)
11. ☒ Volume Calculation

$$0.19 \text{ CFS} \times 1.9835 \times 365 = 137.6 \text{ AF}$$

One POD providing water to a power generator. The micro-hydro plant utilizes a WINCO 4000 watt generator. Water is diverted into a 4 inch water line and is used to drive the generator. Water is diverted back into the natural stream channel. The same point of diversion is used to divert water for "domestic" Permit No. 75-7423.

Feet of Head = 114

Rate is less than 0.24 cfs. No rate measurement is required.

Horsepower = 2

0.19 CFS

$$P = \frac{QHE}{11.8} = \frac{0.19 \times 114 \times 0.80}{11.8} = 1.5 \text{ kw } 80\% \text{ efficiency}$$

*model is based off information provided at time of proof made date.

12. X Other information: The current owner of the property is David K. Melton, according to Lemhi County tax lot data (updated 4/14/2020). Ownership change will be filed.

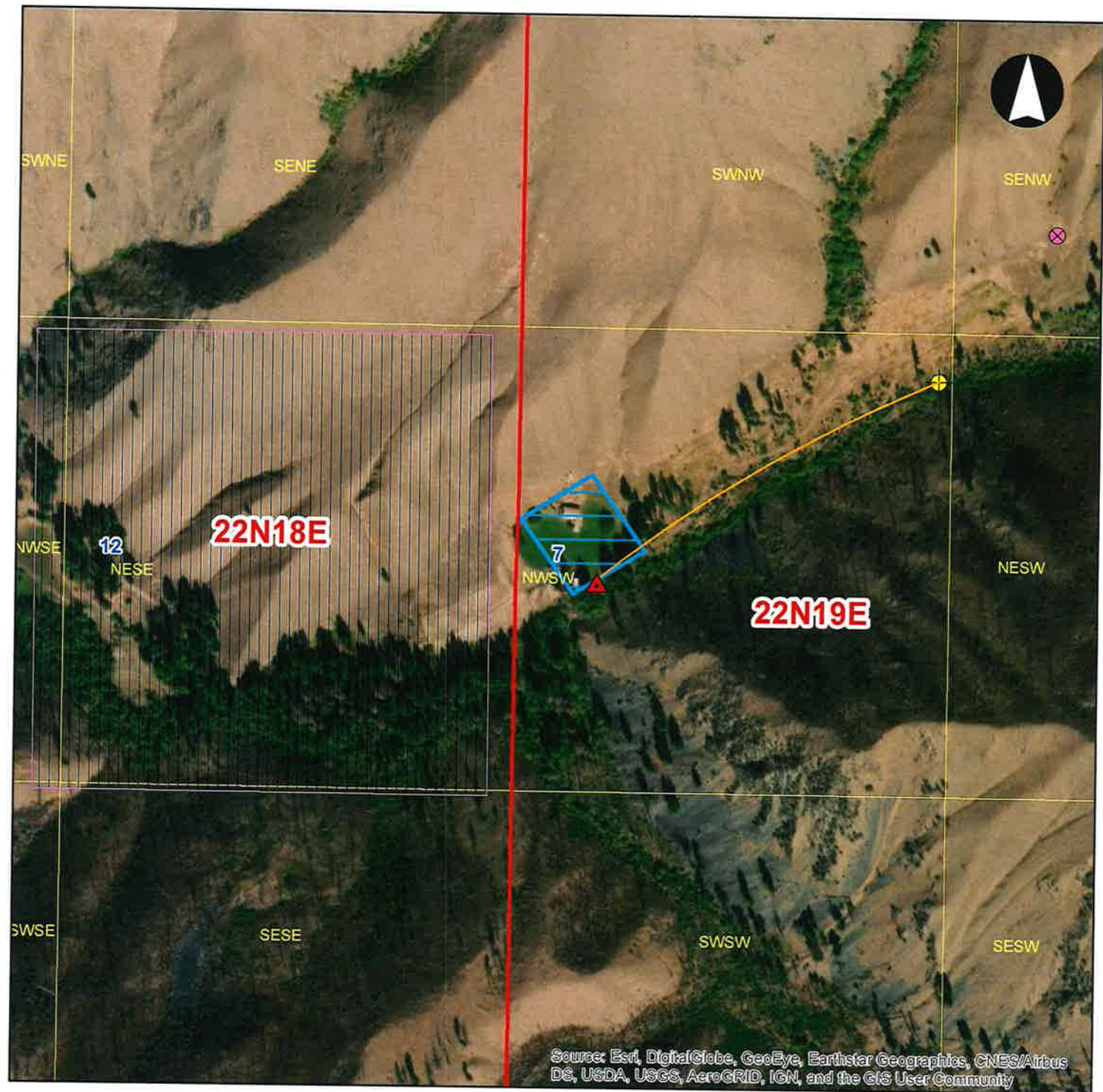
Examiner Name Jared Adamson Date 4/30/2020
Reviewer Blake Jordan Date 5/6/2020

State of Idaho - Department of Water Resources



In-Office Beneficial Use Examination 75-7455

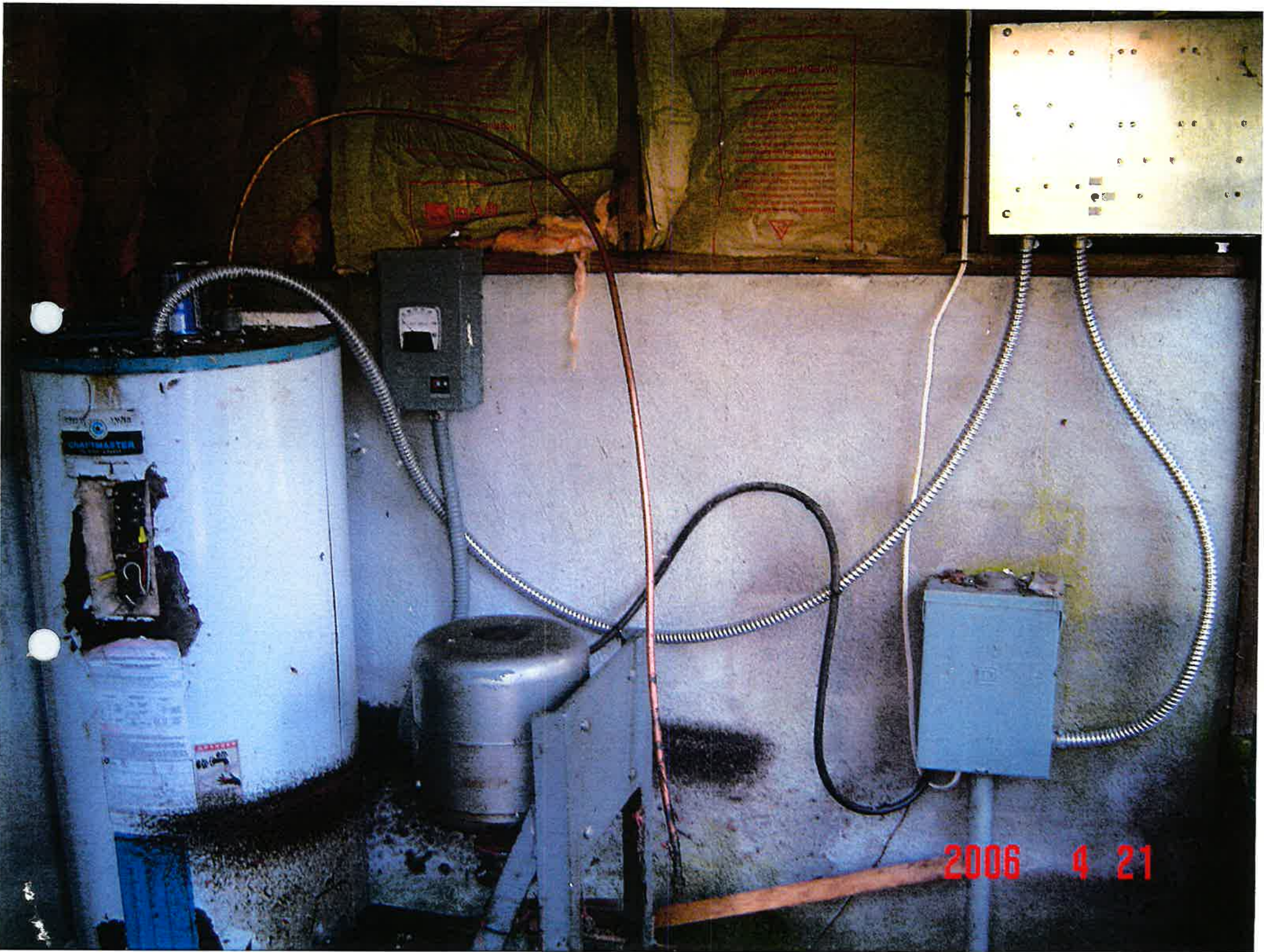
- Actual Location of POD
- Power House / Hydro-Gen.
- Water line approximation
- Actual Location of POU
- All Other Permits
- Proof Submitted, No Exam
- All Other Permits
- Proof Submitted, No Exam
- Township/Range
- Sections
- QQ



0 250 500 1,000 Feet







2006 4 21

WINDOR
GENERATOR
MODEL

WATTS

VOLTS

AMPS

RPM

HZ

PF

PH

TEMP

INS

Serial No.

INTERGEN CORPORATION

111 CENTER, INDIANAPOLIS, IN 46201 U.S.A.

2006 4 21



Adamson, Jared

From: davemelton@centurytel.net
Sent: Thursday, April 23, 2020 2:11 PM
To: Adamson, Jared
Subject: RE: Water Permit for HydroPower
Attachments: IMG_20170529_090835666.jpg; Power House.jpg

Hi Jared, the pictures are attached and the coordinates for the power house is 45.249928 - 114.281654 and the point of diversion is 45.251536 -114.277749. If you need anything more or have any questions please let us know. Thank you

From: Adamson, Jared <Jared.Adamson@idwr.idaho.gov>
Sent: Wednesday, April 22, 2020 3:21 PM
To: davemelton@centurytel.net
Subject: Water Permit for HydroPower

Dave,

As we discussed on the phone, please email me a photo of the point of diversion and the power house and include a GPS location for both.

Thank you for your patience and I wish you a quick recovery. Please call me if you have any questions.

Respectfully,

Jared Adamson - Water Resource Agent

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