



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

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

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

November 21, 2014

ROBIN R AND MARY L WALLIS
4000 MULDOON PL
BOISE ID 83713

RE: Water Right Permit No. 65-22855

Dear Permit Holders:

The Department of Water Resources is reviewing the permit referenced above prior to issuing a water right license. By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit. The examiner who verified your water use reported that certain elements of the permit have been developed differently than described on your permit. Changes that do not increase the authorized use of water under the permit can be requested and approved in accordance with Section 42-211, Idaho Code. Before a license can be issued, your permit must be amended to depict your water use as it was actually developed.

Based on the examiner's report, the following elements were developed differently than described on your permit:

☒ **Point of Diversion**

The enclosed Application for Amendment form depicts the elements of the water right as they will appear on the license when it is issued. Please review the amendment form carefully. If you concur with the information presented, please sign the form and return it with the \$100.00 filing fee within 14 days.

If you have any questions, please call me at 334-2190.

Sincerely,

KAY WALKER
Sr. Water Resource Agent

Enclosure

*Mr. Wallis called -
will submit
amendment and
check - kw
11/24/14*

MEMORANDUM

Date: November 20, 2014
To: Water Right File 65-22855
From: kwalker
Re: Legal Descriptions

This permit actually falls within the W1/2NW1/4 and arc map only recognizes the E1/2NW1/4. If you look at map prepared for application the property is located exactly where the permit was issued. There has been no change. The place of use is within lot 2 and does not require any amendment to license. The point of diversion would be in Lot 1 (NWNW) and it does require an amendment to correct the location from Lot 2 to Lot 1.

[illegible]

Method of Determination: Arc Map (Aerial Photo); Tax Lots.

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
N/A	Unknown	1	Unknown	Grundfos	9135; 1 1/4"

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
N/A						

2. Measurements: No field measurement. Two pressure tanks maintain an estimated operating pressure of 40 psi. The non-operational gauge pressure for the two pressure tanks were 48 psi and 52 psi.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 1/30 + (2.31 \times 40) = 6.16/122.40 = 0.05 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.05 \text{ cfs} > 0.04 \text{ cfs } Q(\text{permit})$$

$$HP = 1$$

$$Z = 30' \text{ (Estimated)}$$

$$P = 40 \text{ psi (Assumed)}$$

Appears that the current pumping system can attain the permit diversion rate of 0.04 cfs.

Recommend the permit diversion rate of 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

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

2. Volume Calculations for Other Uses: (Domestic – Internal & External)

$$V(\text{Internal}) = 0.60 \text{ AF}$$

$$V(\text{External}) = 0.60 \text{ AF}$$

$$V = 1.20 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS**WATER SUPPLY SYSTEM:**

A 1-hp submersible pump diverts water from Payette Lake through a 1 ¼" supply line. The 1 ¼" supply line discharges water to two (2) pressure tanks located in the crawl space of the home. A ½-hp backup submersible pump discharges water through a 1" supply line to the two pressure tanks when the 1-hp submersible pump is down for maintenance or repairs.

DOMESTIC USE (INTERNAL & EXTERNAL):

The water supply system serves the domestic internal needs for the home, and the domestic external use for irrigation of the lawn and landscaping.

PRESSURIZED IRRIGATION SYSTEM:

The pressurized irrigation system is comprised of eleven (11) stations. The irrigation system uses a mixture of rotary, spray, and drip lines to irrigate the lawn and landscaping.

OVERLAP ANALYSIS:

Point of Diversion: There are no point of diversion overlaps for Water Right Permit No. 65-22855.

Place of Use: There are no place of use overlaps for Water Right Permit No. 65-22855.

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

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.04	&/or	N/A
Beneficial Use Limit	0.04	&/or	N/A
System Measurement	0.05 (theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.04	&/or	N/A

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.040 CFS	1.20 AF
<u>Totals:</u>		0.040 CFS	1.20 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 ☐ Other

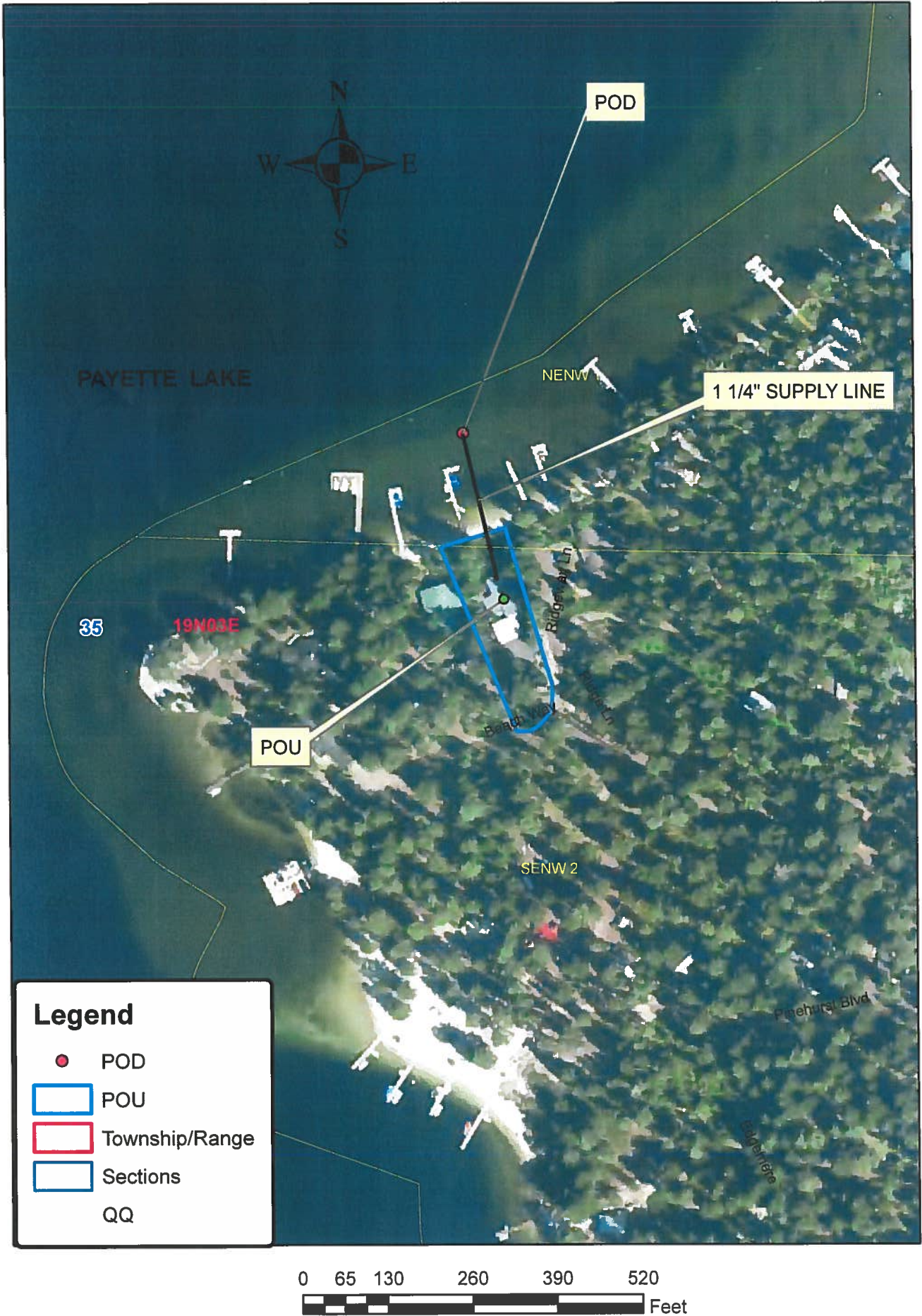
I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 11/18/14

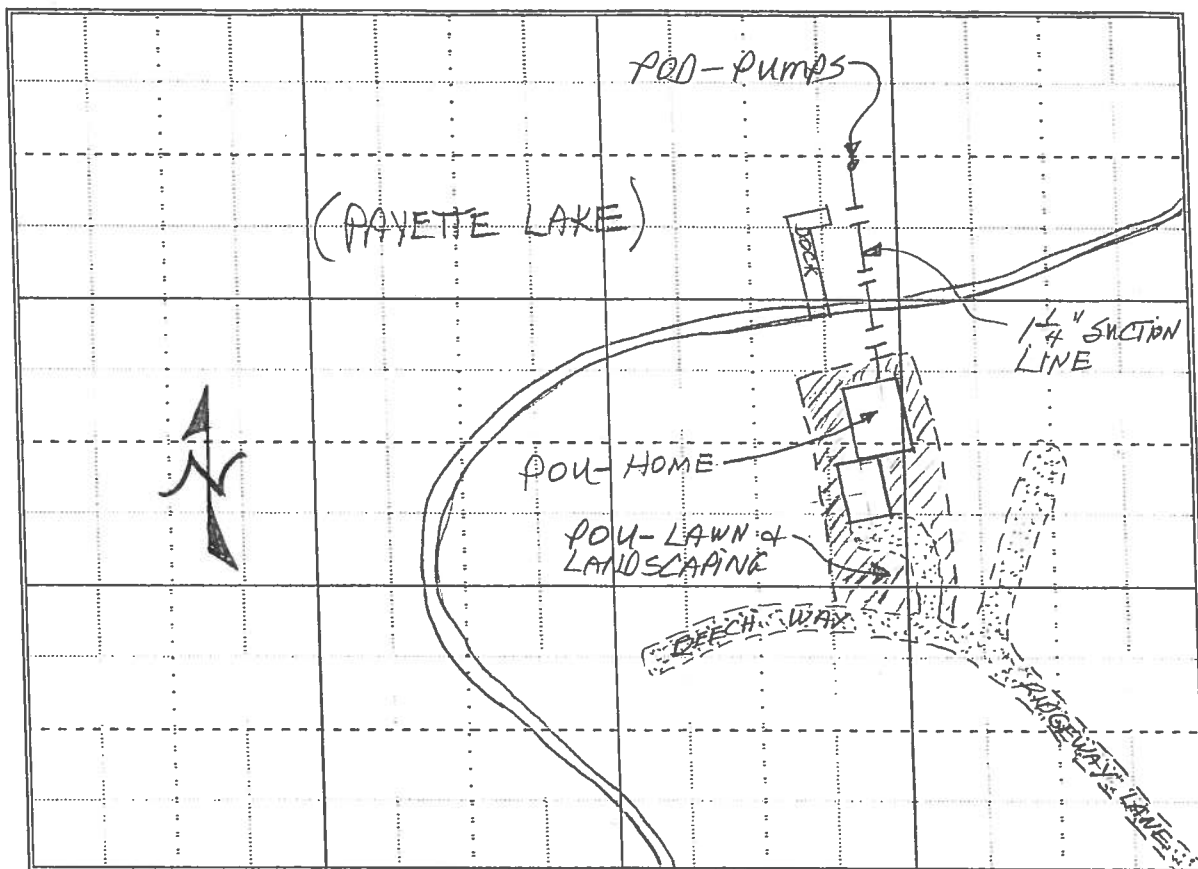
Reviewer _____ Date _____

65-22855
GOV'T. LOT 2

AERIAL PHOTO - 2013



3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = NTS

- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
- ☒ Aerial photo attached (required for irrigation of 10+ acres)
- ☒ Photo of diversion and system attached

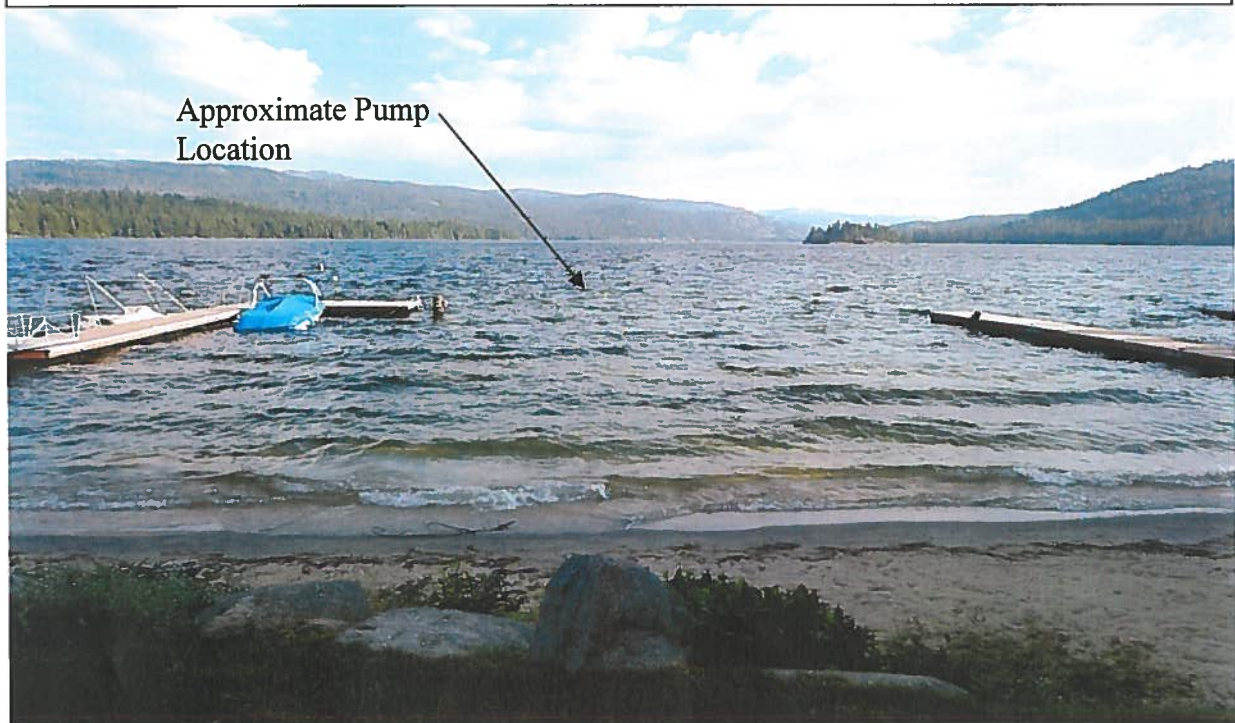
FIELD EXAM PHOTOS

Water Right Permit: 65-22855

Field Exam Date: 7-14-14

PLS: NE1/4, NW1/4 Section 35, T.19N, R.03E

Field Examiner: RC



Point of Diversion: View northerly in the direction of the location of the two (2) submersible pumps in Payette Lake. The second submersible pump is a backup pump.



Place of Use: View southerly of the northerly end of the home, lawn, and landscaping. Water pumped from Payette Lake serves the in-house needs of the right holders, and the irrigation needs for the lawn and landscaping adjacent to the home.



Place of Use: View northerly of the south end of the home and lawn and landscaping.



Place of Use: View northwesterly of a landscaped area located at the southern end of the property.



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WESTERN REGION, 2735 Airport Way, Boise, Idaho 83705-5082

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C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

June 9, 2014

Robin R. Wallis
4000 Muldoon Place
Boise, ID 83713

Re: Water Right Permit No. 65-22855

I am writing to inform you of an existing water right permit which exists on Lot 6B of the Lucks Point Subdivision in McCall, Idaho. A water right permit is not a water right, but a permit issued by the Department to allow the beneficial use of water as requested by the applicant. The beneficial use for the water right permit is to divert surface water from Payette Lake for domestic use for 1 home.

The water right permit was issued to the previous property owner, N. Bernard and Donna Aldridge. I sent a letter in 2013 to schedule a field exam, but the letter was returned as undeliverable.

In order to proceed with obtaining a water right for domestic use on your property, there are two options available which transfers the water right ownership to you. The first option would be to have the Aldridge's, assign the permit to you. If you have contact information for the Aldridge's, we can submit an 'Assignment of Permit' form to them for execution. The process fee for an 'Assignment of Permit' is \$25.00. If contact information is not attainable for the Aldridge's, the next option would be to proceed with obtaining the water right under the Aldridge's. Upon issuance of the water right, you will then need to execute a 'Change of Ownership'. This will officially transfer the water right ownership to you. The process fee for the 'Change of Ownership' is \$25.00.

The next step which needs to take place to proceed with the issuance of the water right is to conduct a field examination. The field examination is required to verify that the permit information is accurate, and if possible to obtain a water flow measurement. If the ground water is no longer being put to beneficial use for domestic use, please let me know and we will proceed with relinquishment or voidance of the water right permit. However, if you are beneficially using the surface water from Payette Lake for domestic use, you are required to obtain a water right from our Department.

If you have any questions, you can contact me at the Idaho Department of Water Resources Western Region Office at (208) 334-2190, or by e-mail at rick.collingwood@idwr.idaho.gov.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is written in a cursive, flowing style.

Rick Collingwood, P.E.
Staff Engineer



State of Idaho

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July 24, 2013

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

N. Bernard & Donna Aldridge
120 Stony Point Road, Ste. 210
Santa Rosa, CA 95401

RE: Scheduling Field Exam for Water Right Permit No. 65-22855

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of August 12, 2013**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.04 cfs of surface water from Payette Lake for domestic use for 1 home.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by August 2, 2013, to conduct the exam during the week of August 12, 2013.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is written in a cursive, flowing style.

Rick Collingwood, P.E.
Water Resource Agent, Sr.