

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

**A. GENERAL INFORMATION**

Permit No: 65-22871

Exam Date: 6/11/2013

1. Current Owner: JOEL LA FLEUR  
9 RIVER RD  
GARDEN VALLEY ID 83622  
(208)462-4489

AND

BRANDALON LA FLEUR  
9 RIVER RD  
GARDEN VALLEY ID 83622  
(208)462-4489

2. Accompanied by: Brandalon LaFleur  
Phone No: Same  
Address: Same  
Relationship to Permit Holder:

3. SOURCE

MIDDLE FORK PAYETTE RIVER

TRIBUTARY

PAYETTE RIVER

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: 65-3225  
2. Other water rights with the same point of diversion: None

**C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:

MIDDLE FORK PAYETTE RIVER SE1/4SE1/4  
BOISE County

Sec. 27, Twp 10N, Rge 04E, B.M.

Method of Determination: Arc Map (Aerial Photo)

2.

PLACE OF USE: IRRIGATION

| Tw  | Rge | Sec | NE   |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |      | Totals |
|-----|-----|-----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|--------|
|     |     |     | NE   | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE   |        |
| 10N | 04E | 27  |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 0.50 | 0.50   |
| 10N | 04E | 34  | 0.20 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      | 0.20   |

Total Acres: 0.70

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<br/>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<br/>Size</u> |
|--------------------------------------|-------------------|-----------|-------------------------|------------------|----------------------------------------------|
| N/A                                  | Unknown           | 2         | Unknown                 | Berkeley         | 2"                                           |
|                                      |                   |           |                         |                  |                                              |
|                                      |                   |           |                         |                  |                                              |
|                                      |                   |           |                         |                  |                                              |

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

#### D. FLOW MEASUREMENTS

1.

| <u>Measurement<br/>Equipment</u> | <u>Type</u> | <u>Make</u> | <u>Model No.</u> | <u>Serial No.</u> | <u>Size</u> | <u>Calib. Date</u> |
|----------------------------------|-------------|-------------|------------------|-------------------|-------------|--------------------|
| Pitot Tube                       |             |             |                  |                   |             |                    |
|                                  |             |             |                  |                   |             |                    |

2. Measurements: Pitot Tube. Measured operating pressure of 59 psi (with leakage). Estimated operating pressure of 65 psi. Sprinkler Discharge Table – 5/32" nozzle @ 65 psi = 5.87 gpm.  $Q = 6 \times 5.87 = 35.22$  gpm, or approximately 0.08 cfs.

#### E. FLOW CALCULATIONS

\_\_\_\_ Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 2/20 + (2.31 \times 65) = 12.32/170.15 = 0.07 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.07 \text{ cfs} > 0.03 \text{ cfs } Q(\text{permit})$$

$$Q(\text{sprinkler measurement}) = 0.08 \text{ cfs} > 0.03 \text{ cfs } Q(\text{permit})$$

$$HP = 2$$

$$P = 65 \text{ psi (Estimated)}$$

$$Z = 20' \text{ (Estimated)}$$

Appears that the current pumping system can attain the permit diversion rate of 0.03 cfs. Recommend the permit diversion rate of 0.03 cfs.

**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.70 \times 3.5 = 2.5 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 231 \times 1.9835 = 13.7 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.5 \text{ AFA}$$

2. Volume Calculations for Other Uses: N/A

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

A 2-hp Berkeley centrifugal pump diverts water from the Middle Fork of the Payette River through a 1 ½" PVC suction line to a pressurized irrigation system. The pressurized irrigation system irrigates approximately 0.70 acres of lawn and landscaping located on the elevated portion of Lot 6 of the Pine Tree Ranch No.11. The lower portion of the lot adjacent to the river is not irrigated.

**IRRIGATION SYSTEM:**

The pressurized irrigation system is comprised of six (6) stations. Each station operates with 4 – 6 rotary sprinklers with 5/32" nozzles.

**OVERLAP ANALYSIS:**

**Point of Diversion:** There are no point of diversion overlaps for Water Right Permit No. 65-22871.

**Place of Use:** Water Right Permit No. 65-22871 and Water Right 65-3225 have an overlapping place of use. According to the right holder, the Pine Tree Ranch development does not provide irrigation water to the right holder. Unable to contact a representative of the Pine Tree Ranch homeowners association to confirm or deny irrigation service to the Pine Tree Ranch No.11 development.

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

**CONDITION NO.4** – Prior to diversion of water, the right holder shall install a lockable device. A power junction box for the irrigation pump, which is located near the pump, has a hasp constructed into the box to allow locking of the junction box. Right holder has complied with Condition No.4.

**RATE &/OR STORAGE RECOMMENDED FOR LICENSING**

| Description               | Rate of Flow (cfs) |      | Storage (af) |
|---------------------------|--------------------|------|--------------|
| Permit Amount             | 0.03               | &/or | N/A          |
| Beneficial Use Limit      | 0.03               | &/or | N/A          |
| System Measurement        | 0.08               | &/or | N/A          |
| Proof Fee Amount          | 0.20               | &/or | N/A          |
| <b>Recommended Amount</b> | 0.03               | &/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> |
|-----------------------|----------------------|-----------------------|----------------------|
| IRRIGATION            | 03/15 to 10/31       | 0.030 CFS             | 2.5 AFA              |
| <u>Totals:</u>        |                      | 0.030 CFS             | 2.5 AFA              |

**2. Recommended Amendments**

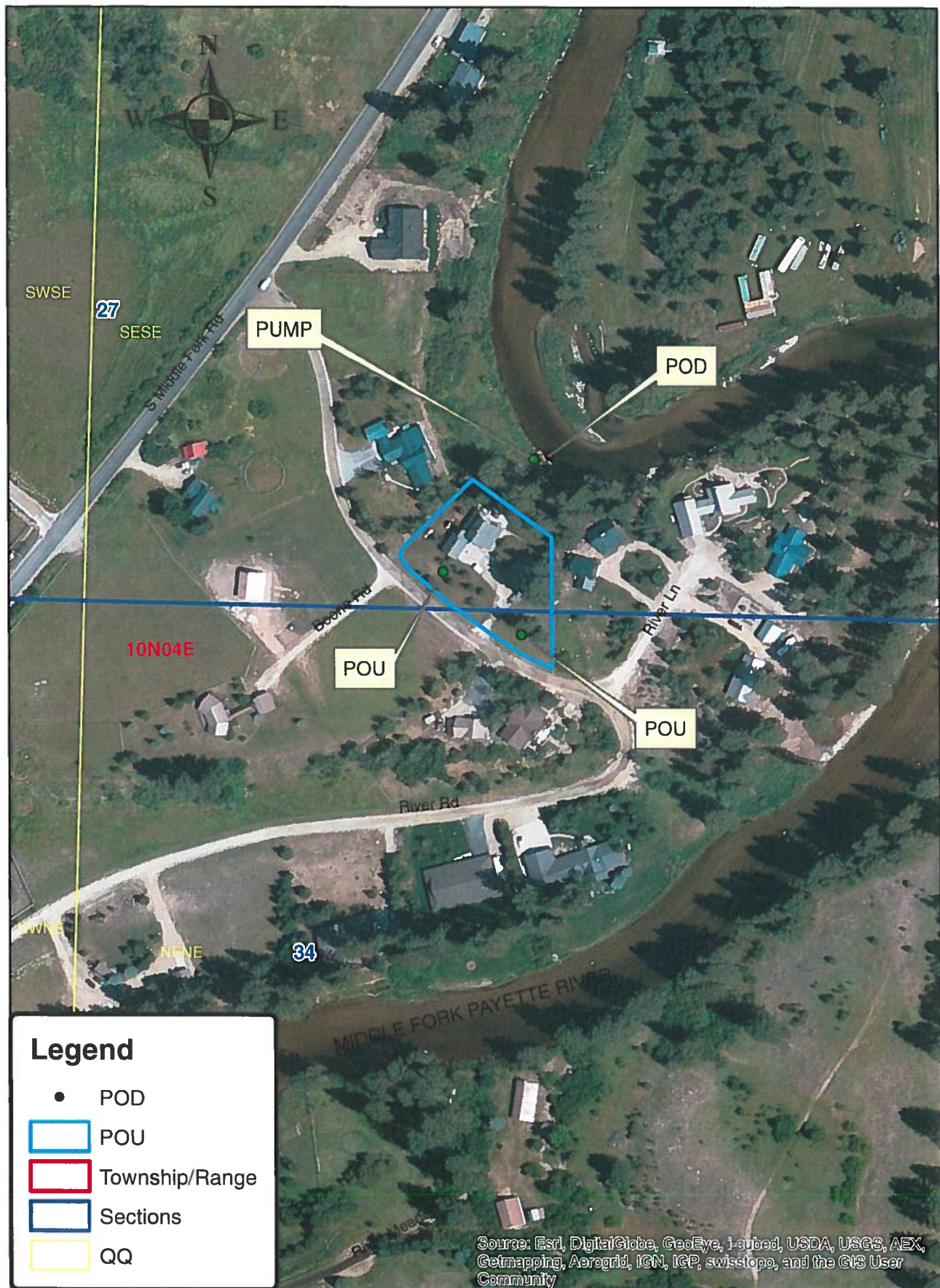
☐ Change P.D. as reflected above    ☐ Add P.D. as reflected above    ☐ None  
☐ Change P.U. as reflected above    ☒ Add P.U. as reflected above    ☐ Other

**I. AUTHENTICATION**

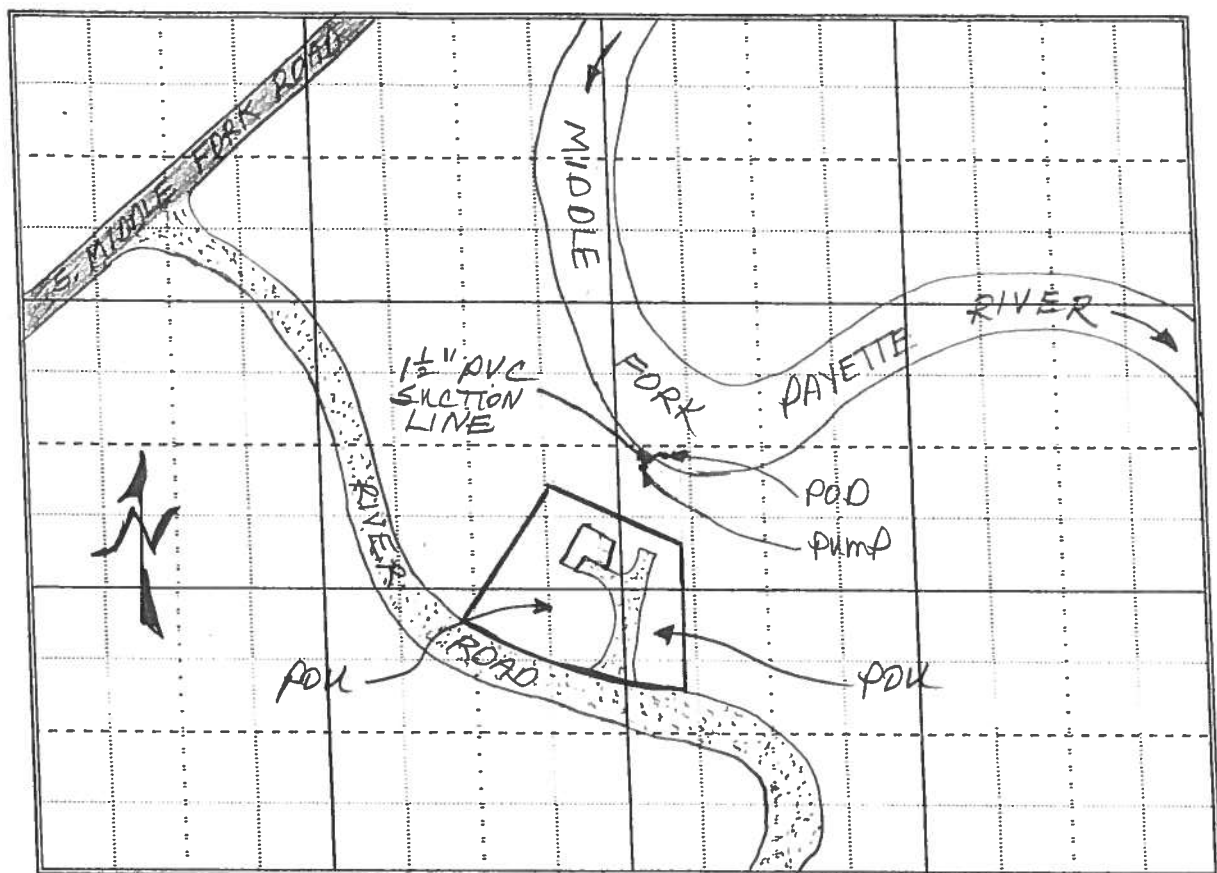
Field Examiner's Name Rick Collingwood Date 10/21/13  
 Reviewer \_\_\_\_\_ Date \_\_\_\_\_

65-22871

ESRI AERIAL PHOTO - 2012



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: 65-22871

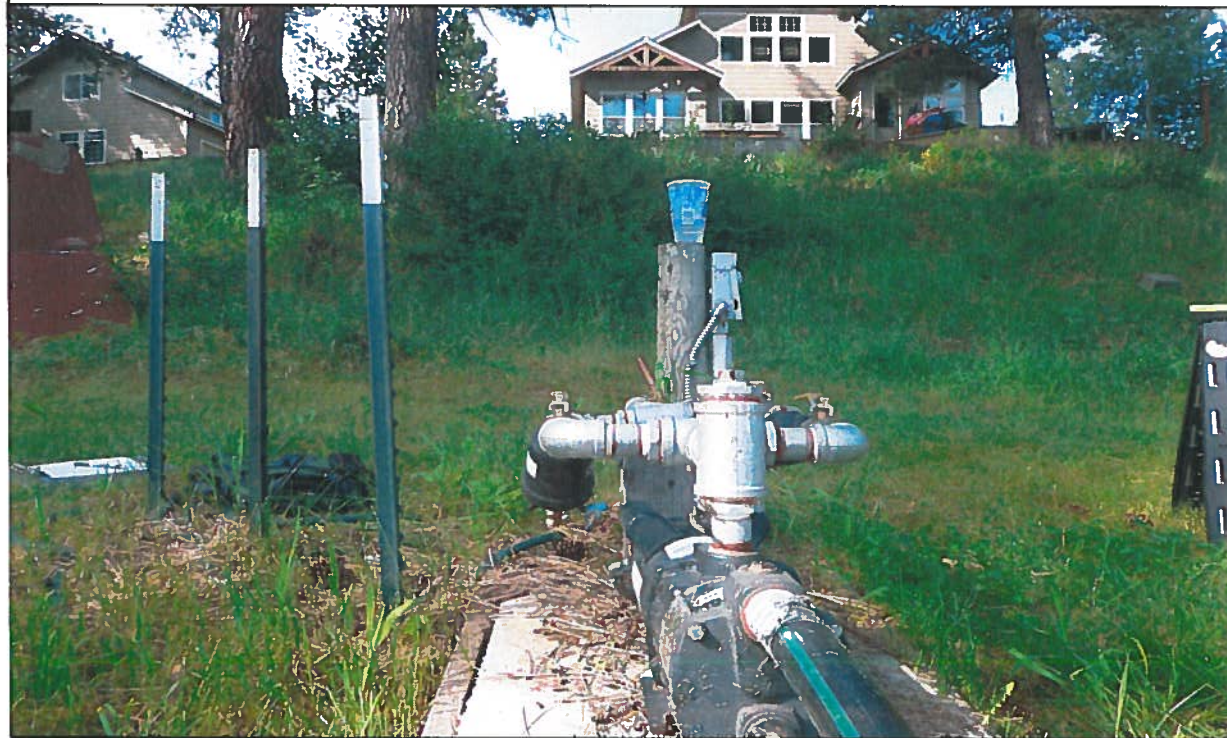
Field Exam Date: 6-11-13

PLS: SE1/4, SE1/4 Section 27, T.10N, R.04E.

Field Examiner: RC



Point of Diversion: View northerly of the screened 1 1/2" PVC suction line near the southerly bank of the Middle Fork of the Payette River.



View southwesterly of the pump and the 1 1/2" PVC suction line. The right holder's home and place of use are shown on the elevated portion of Lot 6, Pine Tree Ranch No.11.



Place of Use: View southeasterly of a field easterly of the home being irrigated by rotary type sprinklers. The sprinklers are mounted to the fence line.



Place of Use: View northwesterly of the lawn and landscaping southwesterly of the home irrigated by the pressurized irrigation system.



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](http://www.idwr.idaho.gov)

C. L. "BUTCH" OTTER  
Governor

GARY SPACKMAN  
Director

November 21, 2013

JOEL And BRANDALON LA FLEUR  
9 RIVER RD  
GARDEN VALLEY ID 83622

RE: Permit No. 65-22871

Dear Permit Holders:

We previously forwarded to you an Application for Amendment so that you could amend Permit No. 67-22871 to correspond with the findings of the Department's field examiner. We have not yet received your response.

If I do not receive the amendment within fourteen (14) days, your Water Right License will be issued for less than could have been allowed. In case the amendment form previously sent to you has been misplaced, a new one is enclosed. Please review the form and if you concur with the information presented, sign the form and return it with the \$100.00 filing fee.

If you have any questions, please contact me as soon as possible at (208)334-2190.

Sincerely,

KAY WALKER  
Sr. Water Resource Agent

Enclosure

12-9-13  
Had voice msg.  
from Mr. LaFleur-  
he will submit  
amendment +  
fee. KW



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C. L. "BUTCH" OTTER  
Governor

GARY SPACKMAN  
Director

October 23, 2013

JOEL and BRANDALON LA FLEUR  
9 RIVER RD  
GARDEN VALLEY ID 83622

RE: Water Right Permit No. 65-22871

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:

✓ **Place of Use** – See enclosed layout

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 (208)334-2190.

Sincerely,

  
KAY WALKER  
Sr. Water Resource Agent

Enclosures: Amendment Application & Layout



State of Idaho

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C. L. "BUTCH" OTTER  
Governor

GARY SPACKMAN  
Interim Director

May 30, 2013

Brandalon & Joel LaFleur  
9 River Road  
Garden Valley, ID 83622

**RE: Scheduling Field Exam for Water Right Permit No. 65-22871**

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of June 10, 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 0.03 cfs of surface water from the Middle Fork of the Payette River for irrigation of 1.0 acre.

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 June 7, 2013, to conduct the exam during the week of June 10, 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,

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