

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

**A. GENERAL INFORMATION**

**Permit No:** 95-9428  
**Exam Date:** 07/16/2015

## 1. Current Owner:

BLOOMSBURG FAMILY TRUST  
2923 W ROLLING HILLS RD  
WORLEY ID 83876-6001

## 2. Accompanied by: PETE BLOOMSBURG

Phone No (208) 689.3061

Address: 945 W JOES CIRCLE

Relationship to permit Holder: Son of original Permit holder at time of Exam.

3. **SOURCE:**

GROUND WATER

**Method of Determination:** U.S.G.S. 7.5 Minute Quad. (Topographic) 'Harrison' (G4) (1981), ArcMap™ GIS software.

**B. OVERLAP REVIEW**1. Other water rights with the same place of use: YES Overlap

| Water Right No. | Source         | Purpose of Use       | Basis   |
|-----------------|----------------|----------------------|---------|
| 95-4479         | Unnamed Stream | Domestic, Stockwater | Decreed |

Comments: 95-4479 Decree for Coeur d'Alene Spokane River Basin Adjudication (CSRBA) overlaps one home located in trailer park on Northwest portion of 95-9428 Domestic Place of Use.

2. Other water rights with the same point-of-diversion: NO Overlap

Comments

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

GROUND WATER L2 ( NW¼ SW¼), Sec. 12, Twp 47N, Rge 04W, B.M. KOOTENAI County  
(GPS coordinates -116.787607 47.429989)

Method of Determination: U.S.G.S. 7.5 Minute Quadrangle (Topographic) 'Harrison' (G4) (1981), ArcMap™ GIS software

**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 |        |
| 47N | 04W | 12  |    |    |    |    |    |    | 4.0 |    |    |    |    |    |    |    |    |    | 4.0    |

Total Acres: 4.0

**PLACE OF USE: STOCKWATER**

| Twp | Rng | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
| 47N | 04W | 12  |    |    |    |    |    |    |    |    |    | X  |    |    |    |    |    |    |        |

**PLACE OF USE: DOMESTIC**

| Twp | Rng | Sec | NE |    |    |    | NW |    |    |    | SW |         |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|---------|----|----|----|----|----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW      | SW | SE | NE | NW | SW | SE |        |
| 47N | 04W | 12  |    |    |    |    |    |    |    |    |    | X<br>L2 |    |    |    |    |    |    |        |

Method of Determination:

3.

X Delivery System Diagram Attached (required). Indicate all major components and distances between components. 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 |
|---------------------------|------------|----|------------------|-----------|-----------------------------------|
| E0005621                  | unknown    | 2  | unknown          | unknown   | unknown                           |

#### D. FLOW MEASUREMENTS

Measurement Equipment (None used. System not configured for physical measurement)

2. Measurements: Theoretical (See attached 'Pumping Equation For Water Right 95-9428')

#### E. FLOW CALCULATIONS

Measured Method: (None)

System not suitable for physical measurement.

#### F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (2.0 \text{ Acres}) \times (3.0 \text{ AF per acre}) = 6.0 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (.06 \text{ CFS}) \times (214) \times 1.9835 = 25.5 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \mathbf{6.0 \text{ Acre Feet (AF) IRRIGATION}}$$

2. Volume Calculations for Other Uses:

$$\text{STOCKWATER Annual Volume } 25 \text{ cattle (per Exam \& Statement of Completion)} \times 12 \text{ Gal per Day} \times 365 = 109,500 / 325850$$

$$109,500 / 325850 = .33 \text{ AF}$$

$$\mathbf{STOCKWATER = .33 \text{ Acre Feet (AF) = 0.4 AF (See Narrative)}}$$

$$\text{DOMESTIC Annual Volume consists of } 1.8 \text{ AF (for 3 homes of (3 x .6 AF)) and (26 trailers (26 x 100 Gallons per day x 152}$$

$$\text{days per year) = } 395,200 \text{ gallons} / 325,850 = 1.21 \text{ AF} = 3.0 \text{ AF}$$

$$\mathbf{DOMESTIC = 3.0 \text{ Acre Feet (AF) = 3.0 AF}}$$

#### G. NARRATIVE/REMARKS/COMMENTS

Permit 95-9428 was issued to Joseph W. Bloomsburg and Beverly R. Bloomsburg. They are now deceased. The Point of Diversion (POD) and Places of Use (POU) were conveyed to the Bloomsburg Family Trust. A Notice of Change in Water

Right Ownership has been completed to update the ownership of the POD and POU's to the Trust.

Field Exam performed on 07/16/2015 with Pete Bloomsburgh. The Exam showed that Groundwater is diverted for 2.0 acres of Irrigation, three homes, 26 seasonably occupied trailers, and 25 head of range cattle. Cattle were observed on the property during the exam. Sprinklers that are operated by trailer park and home occupants were not seen in operation during the exam but areas as of recently irrigated gardens and lawns were seen in the trailer park and home areas. The configuration of buried water lines does not allow for direct measurement of flow rates with a flow meter.

The POD eight inch well has Idaho Department of Environmental Quality (IDEQ) tag E0005621. The legal description on the original Driller's Report is incorrect. The legal description on the Report states that the well is located in the SW $\frac{1}{4}$ , SW $\frac{1}{4}$ , Sec. 12, Twp 47N, Rge 04W, B.M, KOOTENAI County. The correct location is L2 (NW $\frac{1}{4}$ , SW $\frac{1}{4}$ ), Sec. 12, Twp 47N, Rge 04W, B.M., KOOTENAI County. IDWR Ground Water Protection has been informed of the well location error.

Well E0005621 is located about 25 feet North of West Cove Point Road within Kootenai Co. parcel 47N04W125500. The well is behind a green metal gate in a fenced-off area that includes boat trailer parking. The well lies South of the trailer park and three homes. One additional home (STUVLAND LIVING TRUST), on Kootenai parcel 47N04W117625 (27465 S Bloomsburg Bay RD) to the Southwest, receives water from the well but is not covered by Permit 95-9428.

Domestic and Irrigation POU's are downhill and North of the well across a large unirrigated pasture. One home and 26 seasonably occupied trailers are located on a hillside above Coeur d'Alene Lake in the trailer park area. The home in the trailer park has an 80- 90 year old apple tree located nearby. The trailers lie underneath roofed shelters and many have additional improvements (roofs, porches, decks, storage sheds, etc.). The 95-4479 POU overlaps the home in the trailer park area. Two additional homes to the East, on separately owned tax parcels (47N04W124855 & 47N04W124865), receive water through the system.

One and one-half acres of irrigation lie within the trailer park area. An additional one-half acre of Irrigation is located around the two homes at 26489 S Bloomsburg Bay RD and 26483 S Bloomsburg Bay RD to the East of the trailer park.

Stockwater use occurs at three separate stock tanks located below the well elevation near South Bloomsburg Bay Road on the East edge of the property and one tank located above the well elevation near the 1000 gallon reservoir on the West edge of the pasture. Approximately 25 head of Black Angus cattle were seen in the pasture during the Exam.

Well E0005621 has a two horsepower submersible pump and pumps to a 1000 gallon partially buried reservoir located uphill to the West of the boat trailer parking area (well location). The well can also pump directly to the distribution system, bypassing the reservoir, to supply the trailers, three homes North of the well, and the three stock tanks near S Bloomsburg Bay Road. Water flows via gravity from the reservoir to the trailers and homes to the North and a stock tank near the reservoir. A Franklin SubDrive Constant Pressure Controller, that is not suitable for measuring flow rates, is located in an enclosure near the 1000 gallon reservoir. A separate water line, equipped with a booster pump, leads from the reservoir to the home on the Stuvland Living Trust property.

**A Water Right Overlap exists.** Decreed Right 95-4479, for one home Domestic and Stockwater use, overlaps the home located at the Northwest corner of the 95-4428 Domestic POU. The source of water for 95-4479 is an unnamed Stream.

**No Amendment to the Permit is required.** Permit 95-09428 states that Irrigation will occur in Govt Lot 2 (NW SW) of

Township 47N, Range 04W, Section 12. No irrigation was found in this Quarter Quarter (NW SW) during the Exam. All Irrigation was taking place within the part of Govt Lot 2 (SW NW) that lies North of the dividing line between the SW NW and the NW SW of Township 47N, Range 04W, Section 12. No amendment to Permit 95-09428 is required before Licensing because Govt Lot 2 is a valid legal description for both Quarter Quarters. The License should be issued with Irrigation use shown in the (SW NW) Govt Lot 2 of Township 47N, Range 04W, Section 12.

**The CFS rate for the Domestic and Irrigation beneficial uses is restricted by well pump capacity to .06 CFS.**

A 2.0 Horsepower submersible pump is installed in an eight inch diameter, 277' deep well, completed in 1986 (E0005621) that supplies ground water. Static level at time of well completion was 125 feet below ground level. The well and buried water line configuration do not have installed flowmeters or exposed pipe that is suitable for portable flowmeter measurement. A theoretical calculation for the well was performed after the Field Exam, indicating the well can supply 26.1 Gallons Per Minute (0.06 CFS) (See attached Pumping Equation For Water Right 95-9428'.

The Statement of Completion (SOC) states that water is used for three homes, twenty six trailers, and the stockwater use is for 25 head. The Domestic use number of homes (3), trailers (26), acreage irrigated (2.0), and number of livestock (25) seen during the Exam matches the SOC. Trailer numbers on the POU were verified through counting the number of trailers during the Exam, verifying the total with the Kootenai County Assessor's office and later year ArcMap images, and is consistent with the number shown on the SOC (26). **Recommended Domestic Annual Volume (3.0 Acre Feet (AF))** consists of 1.8 AF for 3 homes (3 x 0.6 AF) and 1.2 AF for 26 trailers (26 trailers x 100 Gallons Per Day x 152 Days Per Year = 395,200 gallons / 325,850 = 1.21 AF = 1.2 AF). **Recommended Annual Volume for Irrigation is 6.0 AF (2.0 AC. X. 3.0 AF = 6.0 AF. Recommended Annual Volume for Stockwater is 0.4 AF (set by Application Processing Memo # 3 for 25 head to 0.4 AF).**

**Recommended CFS for Irrigation (restricted by well pump capacity) is .06 CFS**

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            | 03/15 to 10/31       | 0.06 CFS                 | <b>6.0 AF</b>        |
| STOCKWATER            | 01/01 to 12/31       | 0.02 CFS                 | <b>0.4 AF</b>        |
| DOMESTIC              | 01/01 to 12/31       | 0.06 CFS                 | <b>3.0 AF</b>        |

**Totals:** 0.06 CFS 9.4 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** Shaun Maxey - Water Resource Agent, Senior

Field Examiner's Name Shaun M. Maxey Date 09/16/2021

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

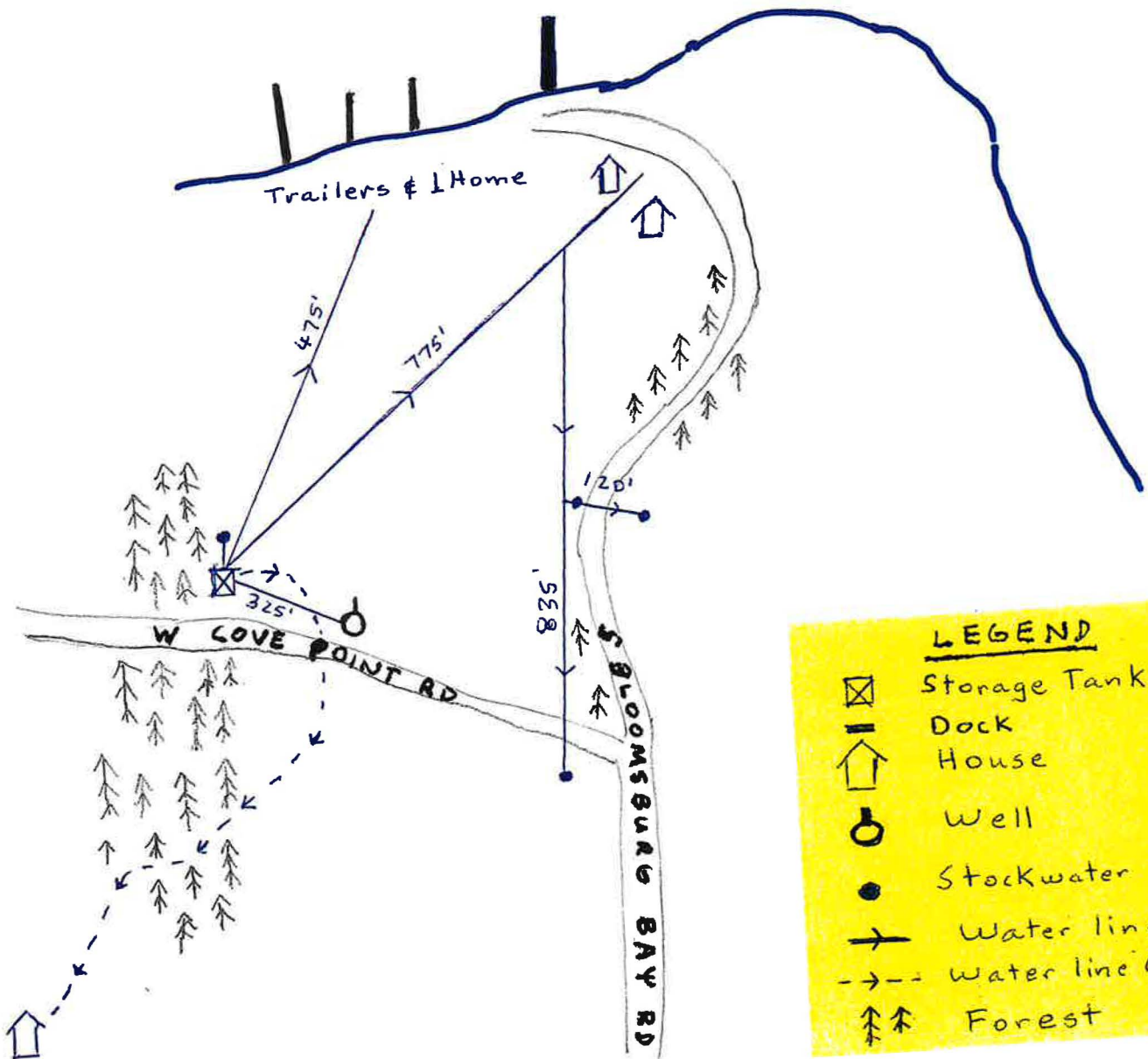
Theoretical pumping equation that estimates pump is set at 150 feet operating at 40 PSI

|                                                                                 |              |                  |                      |                                        |                                     |                                       |
|---------------------------------------------------------------------------------|--------------|------------------|----------------------|----------------------------------------|-------------------------------------|---------------------------------------|
| <p align="center"><b>PUMP<br/>EQUATIONS<br/>WATER RIGHT<br/>No. 95-9428</b></p> |              |                  |                      |                                        |                                     |                                       |
|                                                                                 |              | <b>HP</b>        | <b>H in<br/>feet</b> | <b>Efficiency<br/>as a<br/>decimal</b> | <b>Pumping<br/>lift in<br/>feet</b> | <b>System<br/>pressure<br/>in PSI</b> |
| Q =                                                                             | HP*8.8*Eff/H | 2                | 242.517              | 0.8                                    | 150                                 | 40                                    |
| Q =                                                                             |              | <b>0.058 cfs</b> | <b>26.1 gpm</b>      |                                        |                                     |                                       |

# 95-9428 DELIVERY SYSTEM DIAGRAM

(NOT TO SCALE)

Coeur d'Alene Lake



## LEGEND

- Storage Tank
- Dock
- House
- Well
- Stockwater Trough
- Water line
- water line (No water Right)
- Forest

U.S.G.S. 7.5' Quadrangle  
'Harrison' Topographic  
1981

○ = Place of Use ↑  
(well)  
o = Point of Diversion N

Approx. 95-9428  
POU  
(Domestic  
Stockwater  
Irrigation) 95-9428  
POD







95-9428 GREY HOUSE (DOMESTIC & FRIGIDATION POW) & CATTLE



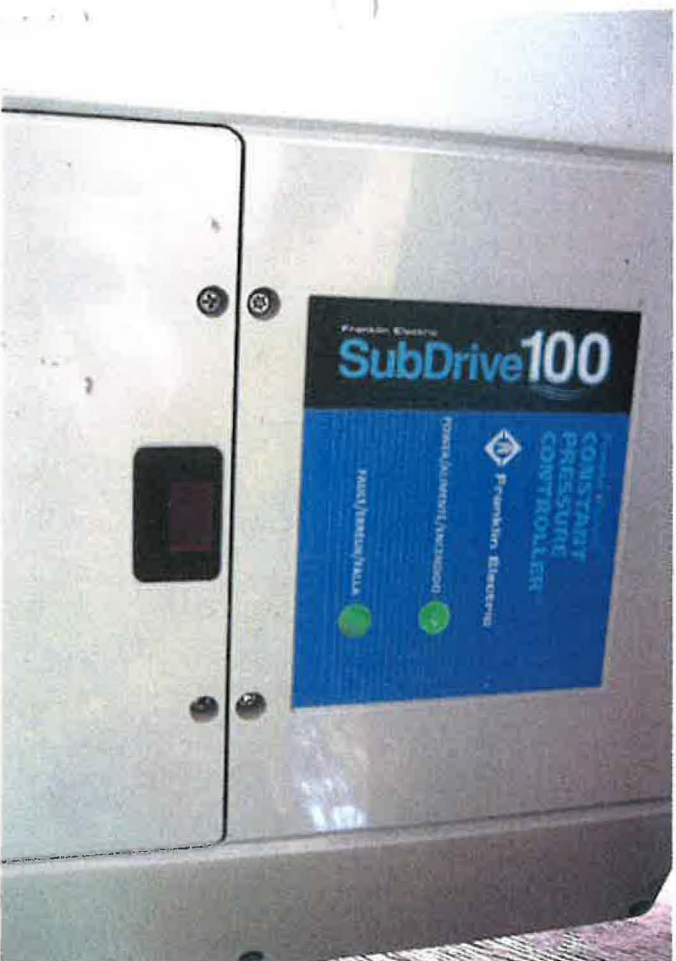
95-9428 CATTLE BEHIND FENCED WELL SITE



95-9428



95-9428 IRRIGATED GARDEN AT HOME (DOMESTIC & IRRIGATION POW)



95-9428 CONTROLS FOR WATER SYSTEM



95-9428 Well



95-9428 GREY HOUSE (DOMESTIC & FRIGORATION POW) & CATTLE



95-9428 CATTLE BEHIND FENCED WELL SITE



95-9428 WELL SITE BEHIND BOAT TRAILERS



95-9428 WELLHEAD BEHIND GREEN GATE



95-9428

95-9428 Wellhead Behind Green Gate

95-4428 WELLSITE BEHIND BOAT TRAILERS



95-9428

# Untitled Map

Write a description for your map.

945 W JOES CIR

## Legend

945 W Joes Cir

8/20/2011

95-9428

Google Earth



200 ft

## Maxey, Shaun

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**From:** Maxey, Shaun  
**Sent:** Friday, June 26, 2015 9:53 AM  
**To:** 'Jamie Barton'  
**Subject:** Request for information on PWS 1280018 Bloomsburg Trailer Park

Hi:

Jamie:

Please send me any reports you may have for the Bloomsburg Trailer park water system. I'm looking for any information about the well and number of lots, RV spaces, or trailers served. We need to convert a temporary Water Right Permit into a License.

This system Place Of Use is located near the Fullers Landing boat launch across on the West Side of Coeur d'Alene Lake south of Harrison.

Thanks,

Shaun

Shaun M. Maxey  
Sr. Water Resource Agent  
Idaho Department of Water Resources, Northern Region  
7600 N Mineral DR Suite 100  
Coeur d'Alene, ID 83815-7763  
Phone (208) 762.2816 /2800  
Fax (208) 762.2819  
[www.idwr.idaho.gov](http://www.idwr.idaho.gov)



**Public Health**  
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# Panhandle Health District

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**Environmental Health**  
8500 N Atlas Road  
Hayden, Idaho 83835  
Phone: 208-415-5200  
Fax: 208-415-5201  
[www.phd1.idaho.gov](http://www.phd1.idaho.gov)

November 18, 2011

Joe Bloomsburg  
Bloomsburg Trailer Park  
W 945 Joe's Circle  
Worley, ID 83876

Subject: Sanitary Survey of Bloomsburg Trailer Park, PWS #1280018

Dear Mr. Bloomsburg:

Thank you for taking the time to assist with the sanitary survey PHD performed on the Bloomsburg Trailer Park Water System on October 24, 2011. A copy of the survey photos are enclosed with this mailing for your records. Attached, you will find the drinking water supply report for the water system which includes a list of the deficiencies, additional requirements and/or recommended improvements for your system.

**Please consult with PHD regarding the significant deficiencies identified in this written notification. Upon agreement between the public water system and PHD, please provide a written corrective action plan to PHD that addresses the deficiencies. This consultation with PHD shall be completed within 30 days of receiving this written notification. This request is Pursuant to IDAPA 58.01.08.323.**

**Significant Deficiencies**

1. Well does not meet the minimum setback distance of 50 ft. from livestock, as required by IDAPA 58.01.08. 900.01.

**Deficiencies**

1. A smooth nose sample tap is needed on the discharge line from the well prior to the first service connection. This will facilitate testing for coliform bacteria.
2. The well, pump controls, and reservoir should be protected from unauthorized access.
3. A pressure gauge is not provided at all installations for the well as required by IDAPA 58.01.08.511.03.
4. A written total coliform bacteria sampling plan that represents the entire distribution system must be developed and submitted to PHD.

Prior to any future modifications or expansion to the existing water supply system, plans and specifications must be submitted to the DEQ for review and approval.

If you have any questions or comments regarding this survey, please do not hesitate to contact me at (208) 415-5221.

Sincerely,

Kristina Keating

Sr. Environmental Health Specialist

**Enclosures:** Survey Photos

A raw water sample tap is not provided for the well. Currently raw water samples may be drawn from the flow to waste piping; however, a smooth-nose sample tap must be installed on the well discharge line the next time material modifications occur. This will facilitate drawing sanitary

coliform bacteria samples. A pressure gauge is also not provided. An insulated vault must be installed on the well discharge line, housing the sample tap and pressure gauge, to prevent possible freezing.

A source water assessment was completed 1/30/2002. A final GWUDI determination was completed 6/5/2001 indicating the source to be ground water.

Treatment is neither provided nor required.

The well and well pump controls should be protected from unauthorized access.

At the time of this survey, cattle were observed in the field with the well. Livestock must be kept at least 50 feet from the well.

### **Storage**

The reservoir is a 1000 gallon, partially buried plastic tank located approximately 300 feet west of the well. The tank is equipped with a watertight lid, properly screened vent, and overflow. The reservoir contains float switches that control the well pump. Due to a substantial amount of debris covering the lid, it was not opened at the time of this survey. Debris from the roof of the tank must be removed and the vegetation surrounding the tank trimmed to prevent contamination of the finished water supply.

Fencing, a lock on the access manhole, and other necessary precautions have not been provided for storage structure to prevent trespassing, vandalism, and sabotage as required by IDAPA 58.01.08.544.04.

It is unknown if the reservoir has ever been drained, cleaned, and inspected. It is recommended the reservoir be inspected annually for integrity and silt build up, and cleaned once every five years.

### **Distribution**

A gate valve and a pump to waste line are located just prior to the reservoir. The gate valve enables the system to pump the well to waste before water reaches the reservoir and also to bypass the reservoir and pump directly to distribution.

The distribution system is 1 1/2-inch and 1-inch 200 psi PVC line, valved to various sections of the trailer park, and is not looped. There are 26 connections. No connections are metered. A reservoir booster pump was recently installed to service a single full-time residence located up hill from the well and the reservoir. The rest of distribution is served via gravity from the reservoir. Frost free hydrants are reportedly located at the terminal ends of the main distribution lines and are utilized for flushing. The distribution lines are flushed and all valves are exercised semiannually.

### **Monitoring**

The water system collects one routine coliform sample per quarter, one nitrate sample per year, and one nitrite sample every nine years. A total coliform sampling plan that represents the entire distribution system must be developed and a copy submitted to PHD to be kept in the water system's file. Samples should rotate between the upper and lower distribution system.

Monitoring schedules can be accessed on line at:

[http://www.deq.idaho.gov/Applications/SDWISReports/pws\\_index.cfm](http://www.deq.idaho.gov/Applications/SDWISReports/pws_index.cfm)

### **Compliance**

A written corrective action plan that addresses the deficiencies listed below must be submitted to PHD following consultation with PHD. The consultation with PHD must be completed within 30 days of receiving this written notification.

#### **Significant Deficiencies**

1. Well does not meet the minimum setback distance of 50 ft. from livestock, as required by IDAPA 58.01.08. 900.01.

#### **Deficiencies**

1. A smooth nose sample tap is needed on the discharge line from the well prior to the first service connection. This will facilitate testing for coliform bacteria.
2. The pump controls and reservoir must be protected from unauthorized access.
3. A pressure gauge is not provided at all installations for the well as required by IDAPA 58.01.08.511.03.
4. A written total coliform bacteria sampling plan that represents the entire distribution system must be developed and submitted to PHD.

#### **Recommendations**

1. Recommend protecting the well from unauthorized access either by fencing around the source or providing a locking well cap.
2. Recommend implementing a leak detection program.
3. Recommend implementing a water conservation program.
4. Recommend the storage tanks be inspected annually for integrity and silt build up, and be cleaned every 5 years.

*Kristina Keating*

Kristina Keating, Sr. Environmental Health Specialist

November 18, 2011



State of Idaho

**DEPARTMENT OF WATER RESOURCES**

Northern Region, 7600 Mineral Drive, Suite 100, Coeur d'Alene, Idaho 83815

Phone: (208) 762-2800 FAX: (208) 762-2819 [www.idwr.idaho.gov](http://www.idwr.idaho.gov)

June 26, 2015

C.L. "BUTCH" OTTER  
Governor

GARY SPACKMAN  
Director

Joe Bloomsburg OR Beverly Bloomsburg  
945 W Joes CIR  
Worley, ID 83876

**FIELD EXAM NOTICE**

RE: PERMIT NO. 95-9428

Dear Mr. or Mrs. Bloomsburg:

I spoke with your son regarding these photographs on Friday June 26, 2015. Please give the photos to your son for the upcoming Field Exam that is tentatively scheduled for the afternoon of **June 30, 2015**.

I can be reached at (208) 762.2816 if you have any questions.

Respectfully,

A handwritten signature in dark ink, appearing to read 'Shaun M. Maxey', is written over a horizontal line.

Shaun M. Maxey  
Sr. Water Resource Agent  
Idaho Department of Water Resources, Northern Region

Enclosure  
6/24/2015 photos