

State of Idaho  
Department of Water Resources  
**Permit to Appropriate Water**

NO. 98-07975

Priority: August 19, 2016

Maximum Diversion Rate: 0.08 CFS

This is to certify, that TIM L HARLAN And / Or REBECCA M HARLAN  
PO BOX B  
BONNERS FERRY ID 83805

have applied for a permit to appropriate water from:

**Source:** GROUND WATER

and a permit is APPROVED for development of water as follows:

| <u>BENEFICIAL USE</u> | <u>PERIOD OF USE</u> | <u>RATE OF DIVERSION</u> |
|-----------------------|----------------------|--------------------------|
| DOMESTIC              | 01/01 to 12/31       | 0.04 CFS                 |
| STOCKWATER            | 01/01 to 12/31       | 0.02 CFS                 |
| COMMERCIAL            | 01/01 to 12/31       | 0.02 CFS                 |

**LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER NE1/4, SW1/4, Sec. 32, Twp 64N, Rge 01E, B.M., BOUNDARY County  
GROUND WATER NE1/4, SW1/4, Sec. 32, Twp 64N, Rge 01E, B.M., BOUNDARY County

**PLACE OF USE:** DOMESTIC

| Twp | Rge | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 64N | 01E | 32  | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
|     |     |     |    |    |    |    |    |    |    |    | X  |    |    |    |    |    |    |    | X      |

**PLACE OF USE:** STOCKWATER

| Twp | Rge | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 64N | 01E | 32  | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
|     |     |     |    |    |    |    |    |    |    |    | X  | X  | X  |    |    |    |    |    |        |

**PLACE OF USE:** COMMERCIAL

| Twp | Rge | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |    |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--------|
| 64N | 01E | 32  | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE |        |
|     |     |     |    |    |    |    |    |    |    |    |    | X  | X  |    |    |    |    |    |        |

**CONDITIONS OF APPROVAL**

1. Proof of application of water to beneficial use shall be submitted on or before **January 01, 2018**.
2. Subject to all prior water rights.
3. This right does not grant any right-of-way or easement across the land of another.
4. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
5. Prior to the diversion and use of water under this approval, the right holder shall comply with applicable county zoning and use ordinances.
6. Domestic use is for 1 home.
7. The irrigation occurring under this domestic use shall not exceed 1/2 acre.
8. Stockwater use is for 200 Goats.
9. The daily diversion volume for the commercial use authorized under this right shall not exceed 2,500 gallons per day.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code.

Signed, this 27<sup>th</sup> day of December, 20 16.

Morgan Case  
MORGAN CASE, Northern Regional Manager

State of Idaho  
Department of Water Resources

# Attachment to Permit to Appropriate Water

98-7975

This map depicts the DOMESTIC place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

01E



- Point of Diversion
- Place Of Use Boundary
- PLS Sections
- Taxlots

0 0.05 0.1 0.2 Miles



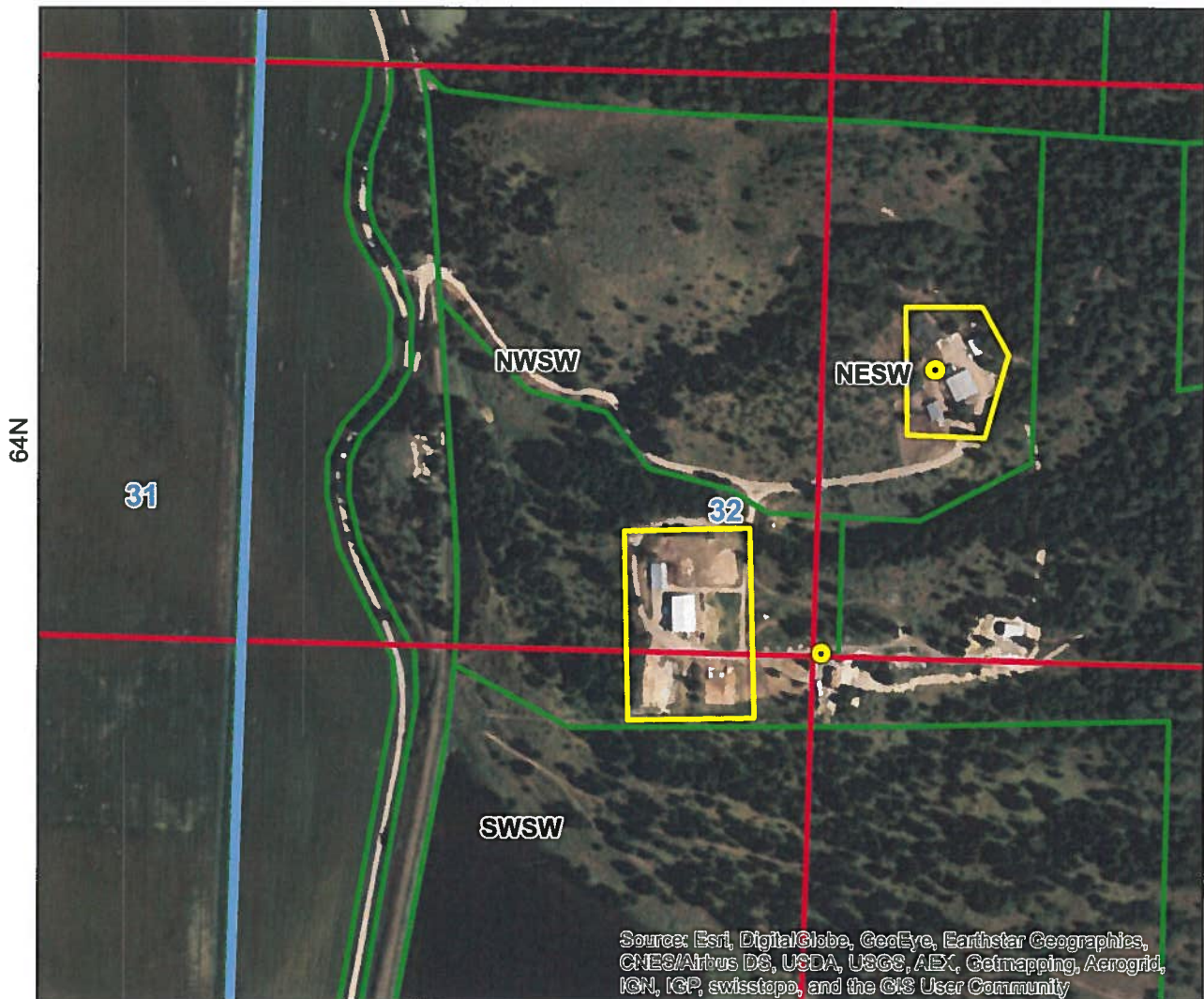
State of Idaho  
Department of Water Resources

# Attachment to Permit to Appropriate Water

98-7975

This map depicts the STOCKWATER place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

01E



-  Point of Diversion
-  Place Of Use Boundary
-  PLS Sections
-  Taxlots

0 0.05 0.1 0.2 Miles



State of Idaho  
Department of Water Resources

# Attachment to Permit to Appropriate Water

98-7975

This map depicts the COMMERCIAL place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.

01E



- Point of Diversion
- Recommendation POD
- Place Of Use Boundary
- PLS Sections

0 0.04 0.08 0.16 Miles





**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)

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C.L. "BUTCH" OTTER  
Governor

GARY SPACKMAN  
Director

December 28, 2016

TIM L HARLAN  
REBECCA M HARLAN  
PO BOX B  
BONNERS FERRY ID 83805

RE: Permit No. 98-7975

**Permit Approval Notice**

Dear Permit Holder:

The Department of Water Resources has issued the enclosed permit authorizing you to establish a new water right. Please be sure to thoroughly review the conditions of approval and remarks listed on your permit.

The permit is a PRELIMINARY ORDER issued by the Department pursuant to Section 67-5243, Idaho Code. It can and will become a final order without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

Enclosed is a form entitled 'Instructions for Proof of Beneficial Use.' Please read the instructions carefully since you must take further action to develop this permit into a licensed water right. Also enclosed is a form entitled 'Proof of Beneficial Use.' If your project is already completed, you should complete and submit this form immediately.

The right to drill a well is not a part of this permit to appropriate water. Beginning in July of 1987, a statute was enacted which requires a drilling permit for new well construction and deepening of existing wells. If the well(s) proposed for use under this water right permit were drilled or deepened after July 1, 1987, a separate drilling permit must be obtained from this Department. Please contact the Ground Water Protection Section located here at this office or our regional office nearest you.

Also, please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at (208) 762-2800.

Sincerely,

A handwritten signature in blue ink that reads "Morgan Case". The signature is written in a cursive, flowing style.

Morgan Case  
Northern Regional Manager

Enclosure(s)

### **CERTIFICATE OF SERVICE**

I hereby certify that on December 28, 2016 I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER(Approved Permit) to the person(s) listed below:

**RE: WATER RIGHT NO.**

**98-7975**

**REBECCA M HARLAN  
PO BOX B  
BONNERS FERRY ID 83805**

**TIM L HARLAN  
PO BOX B  
BONNERS FERRY ID 83805**



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**Dianne L. Ball  
Administrative Assistant**

## **EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER**

(To be used in connection with actions when a hearing was not held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. **It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:**

### **PETITION FOR RECONSIDERATION**

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

### **EXCEPTIONS AND BRIEFS**

Within fourteen (14) days after: (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

### **REQUEST FOR HEARING**

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

### **ORAL ARGUMENT**

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

## **CERTIFICATE OF SERVICE**

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

## **FINAL ORDER**

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its service date if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) The petition for reconsideration is disposed of; or
- (b) The petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

## **APPEAL OF FINAL ORDER TO DISTRICT COURT**

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

# AFFIDAVIT OF PUBLICATION

State of Idaho

ss

County of Boundary, Hinda Johnson

being first duly sworn on oath deposes and says that

he/she is Loch Heger of the

Bonnors Ferry Herald, a newspaper printed and

published at Bonnors Ferry, Boundary County, Idaho;

that the said newspaper has been continuously and

uninterruptedly published in said Boundary County during

a period of 12 months prior to the first publication of the

hereto attached notice of publication in the case of:

Application for Permit  
No. 98-7974, 98-7975

as it was published in the regular and entire issue of the

said paper for a period of 2 consecutive weeks,

commencing on 17<sup>th</sup> day of Nov, 2016 and

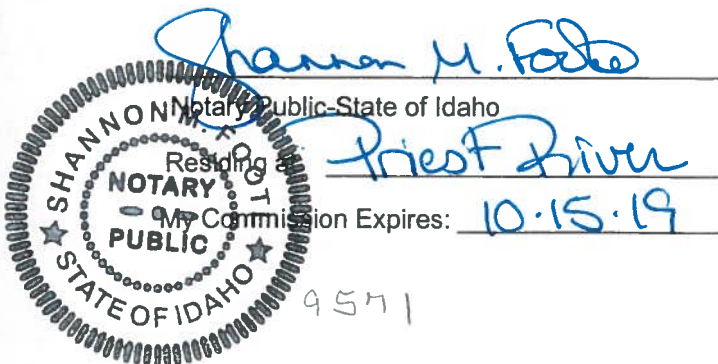
ending on the 24<sup>th</sup> day of Nov, 2016 and

that said notice was published in said newspaper.

Hinda Johnson

SUBSCRIBED AND SWORN TO before me, this 24<sup>th</sup>

day of Nov, 2016.



RECEIVED

DEC 07 2016

IDWR / NORTH

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

98-7974

HIGH POINT VENTURES OF PENSACOLA LLC

1907 HIGHWAY 1

BONNERS FERRY, ID 83805-5111

Point of Diversion NWNE S17 T64N R01E BOUNDARY CO

Source GROUND WATER

Use: FIRE PROTECTION Storage 01/01 to 12/31 2.6 AF

Use: IRRIGATION from Storage 04/01 to 10/31 6 AF

Use: IRRIGATION Storage 01/01 to 12/31 8.6 AF

Use: STOCKWATER from Storage 01/01 to 12/31 0.1 AF

Use: STOCKWATER Storage 01/01 to 12/31 2.7 AF

Total Diversion: 8.7 AF

Date Filed: 10/7/2016

Place of Use: IRRIGATION STORAGE T64N R01E S17 NWNE

Place of Use: IRRIGATION from STORAGE T64N R01E S17

NWNE NENW

Place of Use: STOCKWATER Storage T64N R01E S17 NWNE

Place of Use: STOCKWATER from Storage T64N R01E S17

NWNE

Place of Use: FIRE PROTECTION Storage T64N R01E S17

NWNE

Total Acres: 2

Stockwater use is for 10 head of mixed stock.

98-7975

TIM L HARLAN

REBECCA M HARLAN

PO BOX B

BONNERS FERRY, ID 83805

Point of Diversion(2) NESW S32 T64N R01E BOUNDARY CO

Source GROUND WATER

Use: COMMERCIAL 01/01 to 12/31 0.02 CFS

Use: DOMESTIC 01/01 to 12/31 0.04 CFS

Use: STOCKWATER 01/01 to 12/31 0.02 CFS

Total Diversion: 0.08 CFS

Date Filed: 8/19/2016

Place of Use: DOMESTIC T64N R01E S32 NESW SESW

Place of Use: STOCKWATER T64N R01E S32 NESW NWSW

SWSW

Place of Use: COMMERCIAL T64N R01E S32 NWSW SWSW

Domestic use is for 1 home.

Stockwater use is for 200 head of goats.

Commercial use is for dairy goat operation.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Northern Region office at (208) 762-2800; or for a full description of the right(s), please see:

<http://www.idwr.idaho.gov/apps/ExtSearch/WRAApplicationResult.s/>

Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Northern Region, 7600 Mineral Drive, Suite 100, Coeur D'Alene ID 83815 together with a protest fee of \$25.00 for each application on or before 12/5/2016. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

BFH Legal 9571

November 17, 24, 2016

## MEMORANDUM

**Date:** November 30, 2016  
**To:** Water Right File 98-7975  
**From:** smaxey  
**Re:** POD

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POD WAS DATA ENTERED AND PUBLISHED CORRECTLY IN LEGAL NOTICES.

APPLICANT CORRECTED POD TOWNSHIP TO READ TOWNSHIP 64 NORTH INSTEAD OF 61 NORTH ON 11/30/2016. ERROR OCCURED BECAUSE TOWNSHIP IS INCORRECTLY LISTED AS 61 NORTH ON WELL DRILLERS REPORT D0017281.

GROUNDWATER PROTECTION (IDWR NORTHERN) HAS BEEN INFORMED OF THE INCORRECT TOWNSHIP SHOWN ON THE D0017281 WELL DRILLERS REPORT.

# CONVERSATION MEMO

OV- Office Visit   T-Telephone   M-Meeting   O- Other

TO   Right No. 98-7975

FROM Shaun Maxey, IDWR

☒ OV ☐ T ☐ M ☒ Other \_\_\_\_\_ DATE 10/31/16 WITH Tim HARLAN

Mr. HARLAN visited office to turn in Permit Application. I telephoned Mr. Harlan following his visit to ask that he stop by IDWR during his Coeur d'Alene trip on 11/1/2016. The purpose of his stop will be to mark well locations on the Application Map, correct a well location (#4 of Application form), and pay well upgrade Fees.

☐ OV ☐ T ☒ M ☐ Other \_\_\_\_\_ DATE 11/14/16 WITH ~~Shawn~~ Tim HARLAN

I telephoned Mr. Harlan to discuss correction of Place of Use Township from 61 North to 64 North on Page 2 of Application. Mr. Harlan will stop by office in next several weeks to correct Application. Place of Use was data entered correctly as 64 North and legal notices are correct.

☐ OV ☐ T ☐ M ☒ Other <sup>Voice</sup> ~~Communication~~ <sub>Communication</sub> DATE 11/14/16 WITH Natalie STEADING, IDWR  
Gave correct information for Well 1 location to correct IDWR well database. (Well D# 17281).

☐ OV ☐ T ☐ M ☐ Other \_\_\_\_\_ DATE 11/28/16 WITH \_\_\_\_\_

I telephoned Mr. Harlan to Follow-up on a previous call concerning Mr. Harlan's planned visit to IDWR Northern to correct the POU legal description from 61 North to 64 North. Mr. Harlan said he would stop by to make the correction. He asked if any protest had been received. I told him no protests had ~~been~~ come in as of 11/28/16.

## Maxey, Shaun

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**From:** Jennifer Klingback [Jennifer.Klingback@ISDA.IDAHO.GOV]  
**Sent:** Tuesday, August 30, 2016 7:42 AM  
**To:** Maxey, Shaun  
**Subject:** RE: Request for Information concerning License or Permit RGM-029  
**Attachments:** 20160830084036114.pdf

Shaun,

Please find attached a copy of the permit to sell raw milk for Rebecca Harlan (RGM 029). If you have more questions please give the office a call. Thank you.

## Jennifer Klingback

Idaho Department of Agriculture  
Dairy Bureau  
(208) 332-8550  
[jennifer.klingback@isda.idaho.gov](mailto:jennifer.klingback@isda.idaho.gov)

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**From:** Maxey, Shaun [<mailto:Shaun.Maxey@idwr.idaho.gov>]  
**Sent:** Thursday, August 25, 2016 6:10 PM  
**To:** Jennifer Klingback <[Jennifer.Klingback@ISDA.IDAHO.GOV](mailto:Jennifer.Klingback@ISDA.IDAHO.GOV)>  
**Subject:** Request for Information concerning License or Permit RGM-029

Jennifer:

Idaho Department of Water Resources, (IDWR) is working on a new Water Right Permit Application for Harlan Mountain Farms in the Bonners Ferry area. Information on the Internet indicates that Harlan Mountain Farms already has a Permit or License (#RGM-029) from Idaho Department of Agriculture.

I have two main questions.

- 1) Do I have to submit a public records request to get copies of any permits or licenses issued by Idaho Department of Agriculture for Harlan Mountain Farms?
- 2) What is the numbering or labeling system used for the type of licenses or permits held by Harlan Mountain Farms? I don't understand if this system tells me if they have a small herd exemption and / or O.K. for sales of raw milk.

This information is needed for IDWR to process the Application we received from Harlan Mountain Farms.

I will be out of the tomorrow (August 26<sup>th</sup>) and back in on August 29<sup>th</sup>. Please give me a call if you need additional information.

Thanks,

Shaun Maxey

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)

State of Idaho  
Department of Agriculture

**Small Herd Exemption Raw Milk Permit**



THIS IS TO CERTIFY that the dairy facility named below has complied with the requirements established by the Idaho State Department of Agriculture, is entitled to produce and sell raw milk for human consumption.

PERMIT #: RGM 029

DATE ISSUED: 05/24/2011

*Harlan, Rebecca*  
4685 Turner Hill Rd  
Bonners Ferry, ID 83805

*Mark Patten*  
Chief, Dairy Bureau



## 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)

C.L. "BUTCH" OTTER  
Governor

GARY SPACKMAN  
Director

September 15, 2016

Tim L. Harlan or Rebecca M. Harlan  
PO Box B  
Bonners Ferry, ID 83805

Re: Additional information required for Incomplete Water Right Permit Application

Dear Applicants:

Idaho Department of Water Resources (IDWR) has completed initial review of your Application for Permit and determined that additional information is required. The required information can be provided on a modified version of IDWR's Dairies Water Use Worksheet and written in on the original, partially completed, Application that has been returned to you with a IDWR map.

Please review and write in water use information for your Commercial and Stockwater needs on the enclosed Dairies Water Use Worksheet. The Worksheet has been prepared for analyzing water use in dairies with cattle but can be adjusted for goats. Please add a separate sheet of paper if you will have water use requirements (manufacturing cheese?) that are not covered by the Worksheet.

Your Application indicates that well D0017281 will be used to continue Domestic use for one home in addition to Stock water and Commercial use for the dairy. The D0017821 Well Drillers report indicates that at completion the well yielded 6 Gallons Per Minute and was drawn down 375 feet in one hour. Please indicate if modifications to this well or water storage tanks will be required to support the dairy.

I can be reached via telephone at (208) 762.2816 or at the address shown above if you have questions.

Respectfully,

Shaun M. Maxey  
Senior Water Resource Agent  
Idaho Department of Water Resources, Northern Region  
7600 Mineral DR, Ste. 100  
Coeur d'Alene, ID 83815

Enclosure  
Dairies: Water Use Worksheet

FILE NUMBER \_\_\_\_\_ 36-00000  
REVIEWER \_\_\_\_\_ MSP  
DATE \_\_\_\_\_ September 14, 2016

DAIRIES: WATER USE WORKSHEET

REQUIRED DAIRY DATA

NUMBER OF MILKING CATTLE \_\_\_\_\_ 1600  
NUMBER OF DRY CATTLE \_\_\_\_\_ 200  
NUMBER OF REPLACEMENT CATTLE: 0-2 MONTHS \_\_\_\_\_ 33  
3-4 MONTHS \_\_\_\_\_ 33  
5-8 MONTHS \_\_\_\_\_ 33  
9-12 MONTHS \_\_\_\_\_ 33  
13-15 MONTHS \_\_\_\_\_ 33  
16-24 MONTHS \_\_\_\_\_ 35  
ENTER 1 FOR MANUAL COW WASHING, 2 FOR AUTOMATIC COW WASHING,  
OR 3 IF SPRINKLERS ARE USED TO FLUSH HOLDING PEN AND WASH COWS \_\_\_\_\_ 3  
IF SPRINKLERS ARE USED: NUMBER OF SPRINKLERS IN HOLDING PEN \_\_\_\_\_ 50  
NOZZLE DISCHARGE (USE 5.0 GPM IF UNKNOWN) \_\_\_\_\_ 5.00  
TOTAL OPERATION TIME OF SPRINKLERS (MIN/DAY) \_\_\_\_\_ 20  
NUMBER OF MILKINGS PER DAY \_\_\_\_\_ 2  
AVG. LBS. OF MILK PRODUCED PER DAY PER ANIMAL (IDAHO AVG IS 70 LBS.) \_\_\_\_\_ 80  
ARE THERE SEPARATE PUMPS FOR COMMERCIAL AND STOCKWATER USES? \_\_\_\_\_ N  
IF SO: HOW MANY HOURS PER DAY DOES THE STOCKWATER PUMP RUN? \_\_\_\_\_  
HOW MANY HOURS PER DAY DOES THE COMMERCIAL PUMP RUN? \_\_\_\_\_  
IF ONLY ONE PUMP, HOW MANY TOTAL HOURS PER DAY DOES IT RUN? \_\_\_\_\_ 12.0  
IS A PLATE COOLER USED? \_\_\_\_\_ Y  
IS PLATE COOLER WATER LATER RECYCLED FOR OTHER USES? (IF NO PLATE  
COOLER, LEAVE BLANK) \_\_\_\_\_ N  
ARE CORRAL MISTERS USED IN HOLDING PEN? \_\_\_\_\_ Y  
IF USING CORRAL MISTERS: NUMBER OF MISTERS (IF UNKNOWN,  
ASSUME 1 MISTER FOR EVERY 5 COWS) \_\_\_\_\_ 400  
NOZZLE DISCHARGE (USE 5 GPH IF UNKNOWN) \_\_\_\_\_ 5.00  
SPRAY INTERVAL (EX - 2 MIN ON EVERY 5 MIN = 2/5) \_\_\_\_\_ 2/5  
OPERATION TIME OF MISTERS (HRS/DAY) \_\_\_\_\_ 10  
DAYS PER YEAR MISTERS ARE USED \_\_\_\_\_ 45  
ENTER A TOTAL VOLUME IN GPD FOR MISCELLANEOUS WATER USES NOT  
INDIVIDUALLY CALCULATED BELOW (EX - RESTROOMS, WASHING MACHINES) \_\_\_\_\_ 0

CALCULATIONS

DIVERSION RATE (CFS):

STOCKWATER  
MILKING CATTLE (BASED ON MILK PRODUCTION) \_\_\_\_\_ \*\*\*\*  
DRY CATTLE @ 17.0 GPD/HD \_\_\_\_\_ \*\*\*\*  
REPLACEMENT CATTLE \_\_\_\_\_ \*\*\*\*  
TOTAL \_\_\_\_\_ 0.28  
COMMERCIAL  
TOTAL \_\_\_\_\_ 0.28  
TOTAL DIVERSION RATE \_\_\_\_\_ 0.28

DIVERSION VOLUME (AFA):

STOCKWATER  
MILKING CATTLE \_\_\_\_\_ 59.1  
DRY CATTLE \_\_\_\_\_ 3.0  
REPLACEMENT CATTLE \_\_\_\_\_ 1.4  
TOTAL \_\_\_\_\_ 63.5  
COMMERCIAL  
WASHING OF BULK TANK AND RELATED EQUIPMENT \_\_\_\_\_ 0.4  
BACKFLUSH \_\_\_\_\_ 1.8  
PARLOR/MILKHOUSE/HOLDING PEN CLEANUP \_\_\_\_\_ 2.0  
CATTLE WASHING BASED UPON METHOD OF WASHING \_\_\_\_\_ 5.6  
PLATE COOLER \_\_\_\_\_ 14.3  
CORRAL MISTERS \_\_\_\_\_ 1.1  
MISCELLANEOUS USES \_\_\_\_\_ 0.0  
TOTAL \_\_\_\_\_ 25.3  
TOTAL DIVERSION VOLUME \_\_\_\_\_ 88.8

CONSUMPTIVE USE VOLUME (AFA)(assuming 100% consumptive):

STOCKWATER \_\_\_\_\_ 63.5  
COMMERCIAL \_\_\_\_\_ 25.3  
TOTAL CONSUMPTIVE USE \_\_\_\_\_ 88.8

THEORETICAL FLOW ESTIMATION WORKSHEET

REQUIRED PUMP INFORMATION

|                                   | PUMP 1 | PUMP 2 | PUMP 3 | PUMP 4 | PUMP 5 |
|-----------------------------------|--------|--------|--------|--------|--------|
| PUMP HORSEPOWER (HP) _____        | 25.00  |        | 0.00   | 0.00   | 0.00   |
| PUMP EFFICIENCY (%) _____         | 70     |        | 70     | 70     | 70     |
| LIFT (FT) _____                   | 230    |        | 0      | 0      | 0      |
| DISCHARGE PRESSURE (PSI) _____    | 40     |        | 0      | 0      | 0      |
| FRICTION LOSSES (FT) _____        | 3.0    |        | 0.0    | 0.0    | 0.0    |
| HOURS PER DAY PUMP OPERATES _____ | 12.0   |        | 0.0    | 0.0    | 0.0    |

CALCULATIONS

|                                     |       |      |      |      |      |
|-------------------------------------|-------|------|------|------|------|
| THEORETICAL FLOW RATE (CFS) * _____ | 0.47  | 0.00 | 0.00 | 0.00 | 0.00 |
| DIVERSION VOLUME (AFA) ** _____     | 171.3 | 0.0  | 0.0  | 0.0  | 0.0  |

\* IF PUMP EFFICIENCY IS UNKNOWN, 70% MAY BE ASSUMED.

\*\* DIVERSION VOLUME IS THE ABSOLUTE MAXIMUM VOLUME BASED ON THE  
THEORETICAL FLOW RATE ASSUMING PUMP RUNS EVERY DAY OF THE YEAR

EVALUATION OF EQUIVALENT IRRIGATED ACREAGE

IRRIGATION RIGHT (BEFORE CHANGE)

DIVERSION RATE \_\_\_\_\_ 4.80 CFS  
ACRES OF IRRIGATION \_\_\_\_\_ 246.0 ACRES  
DIVERSION VOLUME \_\_\_\_\_ 4.0 AC-FT/AC  
CONSUMPTIVE USE VOLUME \_\_\_\_\_ 3.0 AC-FT/AC  
IRRIGATION IS BEING CONVERTED FOR WHICH PORTION OF THE  
DAIRY OPERATION - STOCKWATER (S), COMMERCIAL (C), OR  
BOTH (B)? \_\_\_\_\_ B

CALCULATIONS

|                                                         |              |
|---------------------------------------------------------|--------------|
| IRRIGATION DIVERSION RATE PER ACRE _____                | 0.020 CFS/AC |
| REDUCTION OF IRRIGATION BASED ON DIVERSION RATE _____   | 14.0 ACRES   |
| REDUCTION OF IRRIGATION BASED ON DIVERSION VOLUME _____ | 22.2 ACRES   |
| REDUCTION OF IRRIGATION BASED ON CONSUMPTIVE USE _____  | 29.6 ACRES   |

## CONVERSATION MEMO

OV- Office Visit   T-Telephone   M-Meeting   O- Other

TO    Right No. \_\_\_\_\_

FROM    Shawn Maxey FOWR

☐ OV ☐ T ☒ M ☐ Other \_\_\_\_\_ DATE 8/24/16 WITH HARLAN, Tim L  
Left voicemail message for Tim HARLAN indicating  
incomplete Application received today was being returned to  
him and requesting he contact me on 8/29/16 or later.

☐ OV ☐ T ☒ M ☐ Other \_\_\_\_\_ DATE 8/31/16 WITH HARLAN, Tim L  
Mr. Harlan called in response to returned APPLICATION I  
had mailed to him. I reviewed labeling map with  
commercial, stock water, & domestic use areas circled and  
labeled. I also ~~received~~ said I had obtained a copy of  
the Idaho DEPT OF Ag. license for Harlan Farms and got his  
O.K. to include with the Application. I indicated I was working  
on a spreadsheet to calculate water needed for Application.

☐ OV ☐ T ☐ M ☐ Other \_\_\_\_\_ DATE \_\_\_\_\_ WITH \_\_\_\_\_

☐ OV ☐ T ☐ M ☐ Other \_\_\_\_\_ DATE \_\_\_\_\_ WITH \_\_\_\_\_