

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 36-16156
Exam Date: 11/16/2020

1. Current Owner:
RIVERENCE PROVISIONS LLC PO BOX 712 BUHL ID 83316-0712
2. Accompanied by: Completed in-house with assistance from Karen Henderson
Phone No: 208-543-4316
Address: PO Box 712, Buhl ID 83316
Relationship to permit Holder: CLO & Director of Land & Water Resources for Riverence Companies

3. SOURCE:
GROUND WATER

Method of Determination: On-site inspections by IDWR staff, most recent David Graybill on 3/12/2020

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
36-7201	Springs	Industrial/Fish Propagation	Decreed

Comments: This right is conditioned to limit use of both 36-16156 & 36-7201 when combined to 2.0 cfs for industrial & domestic purposes and no more than 10 cfs total. Another condition requires an equal reduction in use for industrial purposes is under water right 36-7201 when this right is used for industrial purposes.

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

Water Right No.	Source	Purpose of Use	Basis

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER NW¼ NW¼ SE¼, Sec. 2, Twp 09S, Rge 14E, B.M. GOODING County

Method of Determination: On-site inspections by IDWR staff, most recent David Graybill on 3/12/2020

PLACE OF USE: INDUSTRIAL

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
09S	14E	2			X											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	
09S	14E	2														X			

Method of Determination: On-site inspections by IDWR staff, most recent David Graybill on 3/12/2020

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
WMIS 1000543	Emerson	50			

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Installed Flow Meter	Magnetic	Toshiba		106102729		10/14/2010

2. Measurements: Flow rate was measured on installed flow meter on 10/8/2010 at 625 gpm which is equivalent to **1.39 cfs**.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} =$$

2. Volume Calculations for Other Uses: Based on volumes reported in WMIS database: High volume reported in 2011 of **690.4 acre feet**.

Domestic use: **0.6 af** (see narrative)Industrial use: **690.4 af**

G. NARRATIVE/REMARKS/COMMENTS

This licensing exam was assigned to me back in 2012 shortly after proof of beneficial use had been filed with the Department. After making contact with Clear Springs Foods (the original owners), they arranged a meeting with their management and legal staff meeting with our Regional Manager, the Watermaster for Water District 130 and myself to discuss the request. Their staff determined that since they had proprietary processes in their fish processing plant that they did not want Department staff to conduct the field exam at that time. Eight years later, the fish processing facility has a new owner, Riverence Provisions LLC, and I made contact with the company by telephone and left a message in hopes of scheduling a field exam.

Karen Henderson, the CLO & Director of Land & Water Resources for Riverence Companies returned my call. I discussed the possibility of scheduling a field exam and explained what information I needed to collect and/or verify over the phone with Miss Henderson. She indicated that she would look into it and get back to me. When she did get back to me about a month later, she indicated that Riverence Provisions LLC was hoping that they could provide the Department with the required information from a field exam performed in 2010 by a certified field examiner that had been submitted to the Department and then withdrawn. She emailed me pictures from the exam of the flow meter at the well displaying a flow rate of 625 gpm. I was able to verify that the pictures were from the meter on the well associated with this permit based on pictures from a recent visit by Department Distribution staff taken during a recent meter inventory and WMIS records.

The application for permit requested 0.08 cfs for domestic use to provide drinking water for 225 employees and for a house on the premises. After calculating volumes for the domestic use as permitted, I determined the volume might possibly be in excess of what is allowed under Idaho Code 42-111 part b, which the facility would fall under. Therefore, the domestic will be assigned to the house only for in-house use as specified on the permit and the flow rate will be reduced to 0.04 cfs with a volume of 0.6 acre feet. All employee water use within the facility will be considered part of the industrial use.

Total volume is, as indicated in section F(2) above, based on the high volume reported in the WMIS database during the beneficial use development period, 690.4 acre feet (2011).

Recommend licensing: 1.34 cfs and 690.4 af for industrial use; 0.04 cfs and 0.6 af for domestic use; Total 1.34 cfs and 690.4 af.

Have conditions of permit approval been met? X 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>
INDUSTRIAL	01/01 to 12/31	1.34 CFS	690.4 AF
DOMESTIC	01/01 to 12/31	0.04 CFS	0.6 AF
<u>Totals:</u>		1.34 CFS	690.4 AF

2. Recommended Amendments

Change P.D. as reflected above Add P.D. as reflected above X None

Change P.U. as reflected above X Add P.U. as reflected above None

I. AUTHENTICATION

Bill Mills - Water Resource Agent, Senior

Field Examiner's Name Bill Mills Date 12-15-20

Reviewer Date

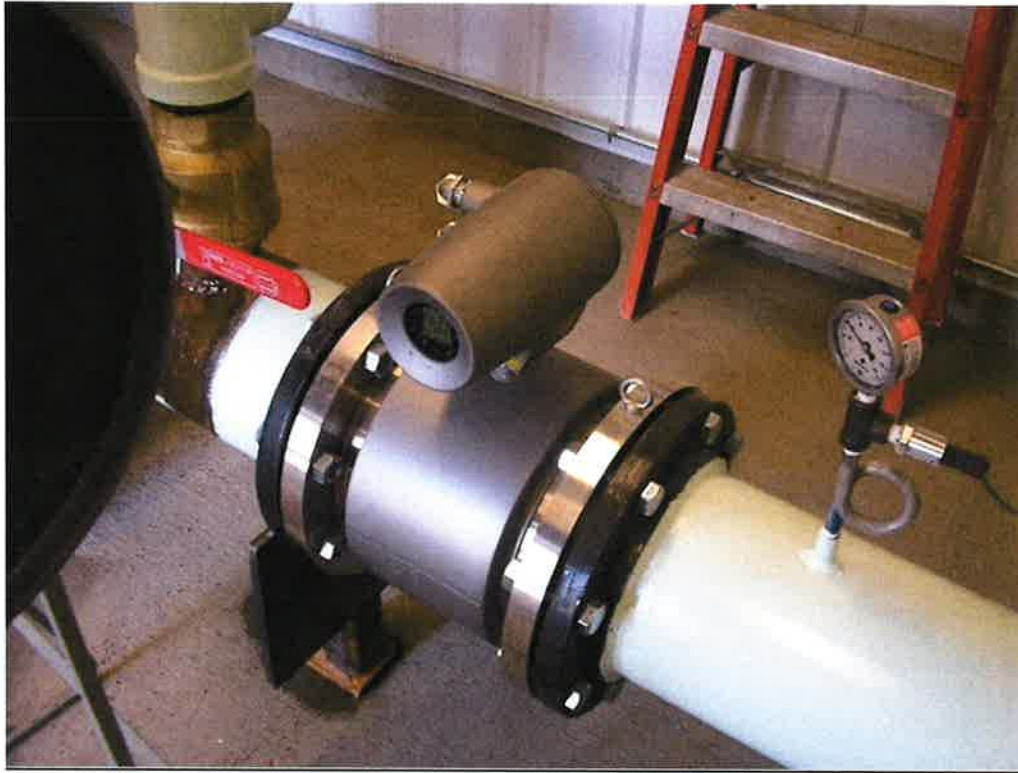


Figure 1: Meter on the well (photo provided by Karen Henderson)



Figure 2: Pump and meter assembly in well house (photo provided by Karen Henderson)



Figure 3: Flow rate on meter from 2010 exam (photo provided by Karen Henderson)



Figure 4: Photo inside pump house from IDWR 2020 visit



Figure 5: Looking southwest at distribution office (right) and processing plant



Figure 6: Looking east at processing plant and break room (on the left)



Figure 7: Pump house



Figure 8: The domicile

System Diagram





BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

October 19, 2010

Allen Merritt, Regional Manager
Idaho Department of Water Resources
1341 Fillmore, Suite 200
Twin Falls, ID 83301

Re: Clear Springs Foods Processing Plant Well-Beneficial Use Exam - Water
Right 36-16156

Dear Allen:

I am enclosing a completed Beneficial Use Field Exam Report and a
Statement of Completion for water permit 36-16156

The field exam was completed on October 8, 2010 by C. E. Brockway P.E.
Certified Water Right Examinee accompanied by Jeff Jermunson, Director of
Operations for Clear Springs Foods Inc

The permit is limited to a total of 1.34 cfs with 1.34 cfs for industrial use and
0.08 cfs for domestic use with no volume limitation listed. Water is pumped
from the well to the processing plant which includes water for in-plant use and
for use in the holding ponds for fish to be processed and to one residence on
the property. The processing plant well water is essentially utilized to replace
depleted spring flows under water right 36-7201 which has historically
supplied water for the same uses.

A magnetic flow meter (Toshiba) has been installed in the pipe string and
reads in 100s of gallons per minute with a totalizer. The accuracy of this
meter was not checked by Brockway Engineering; however, I understand the
Watermaster for WD 130, Cindy Yenter, did check this meter at lower flow
with a Fuji ultrasonic meter and determined that it was within acceptable
accuracy standards. She plans to do another check at higher flows. The well,
which has a 50 hp motor installed, was measured with the Toshiba meter at
633 gpm (1.41 cfs) at which time water was being pumped to the processing
plant and to the residence.

There is no record of volume of water used since the well was just put into
service. However, since the well water is utilized for all uses within the
processing plant and for the holding ponds and essentially replaces the
depleted spring water which historically has been used continuously, I
assumed that the total flow of the well, up to a maximum of 1.34 cfs, would
be utilized year round for beneficial uses. This results in an annual volume of
 $1.34 \times 1.98 \times 365 = 970$ acre feet per year.

CHARLES E.
BROCKWAY,
PH.D., P.E.

CHARLES G.
BROCKWAY,
PH.D., P.E.

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208 • 736 • 8543

FAX: 736 • 8506

Returned to
Clear Springs
10.29.10

RECEIVED (cy)
OCT 21 2010
DEPT. OF WATER RESOURCES
SOUTHERN REGION

photo
provided
by Karen
Henderson via
Brockway Engineering
shows 625 gpm
see 9/30/2020
e-mails
P.S.

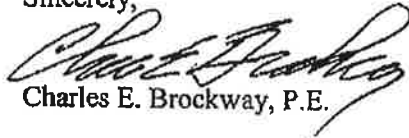
Field Exam 36-16156

Allen Merritt
June 7, 2005
RE: Clear Springs Foods Pump Back

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If additional information is required, please let me know. Thank you for your consideration.

Sincerely,



Charles E. Brockway, P.E.

cc: Jeff Jermunson, Clear Springs Foods Inc.
John Simpson

Enclosures: Beneficial Use Field Report 37-16156
Processing Plant Water System Use Schematic
Aerial Photo showing well site
Photo of well and flow meter
Schematic of Well House Equipment
Statement of Completion
Instruction Manual-Toshiba Magnetic Flowmeter
Well Pump Curve-Hydroflo Pump

Mills, Bill

From: Karen Henderson <karen.henderson@riverence.com>
Sent: Wednesday, September 30, 2020 6:19 PM
To: Mills, Bill
Subject: Re: Licensing Clear Springs Foods Water Permit #36-16156

Follow Up Flag: Follow up
Flag Status: Completed

Bill,

I am following-up on your request for a photo of the flow meter showing a flow rate greater than 601.5 gpm, so that you can license the full 1.34 cfs for 36-16156. I found in the files that the company had Brockway come out to do an actual beneficial use field exam and I asked Chuck to send over the photos that were taken that day. See the below email that includes a meter photo at 625 gpm. Does this documentation check the necessary boxes on your end to issue the license for the full 1.34 cfs?

Let me know.

Karen



KAREN HENDERSON
Director of Land & Water Resources
Office: (208) 420-1742
Mobile: (208) 703-1554
Riverence.com

Begin forwarded message:

From: "Charles Brockway" <charles.g.brockway@brockwayeng.com>
Subject: Processing well flow rate
Date: September 30, 2020 at 11:07:35 AM MDT
To: "Karen Henderson" <karen.henderson@riverence.com>

Karen,

Attached are photographs taken by C. E. Brockway, P.E. during the beneficial use field exam for permit 36-16156 conducted on October 8, 2010. The camera was having trouble focusing but photo PA080001.jpg was taken at 11:59 am on that date and shows the meter display at 625 gpm. The field examiner observed the maximum rate at 11:30 am to be 633 gpm.

Let me know if I can help further.

Chuck

Charles G. Brockway, Ph.D., P.E.

Brockway Engineering, PLLC
2016 Washington St. North, Suite 4
Twin Falls, ID 83301
(208) 736-8543

charles.g.brockway@brockwayeng.com

All information, calculations, maps, drawings, or other documents transmitted via e-mail are preliminary unless explicitly stated in the e-mail text or in the documents themselves.



Idaho Department of Water Resources

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Report Year	Alternate	FM	PCC	Time Clock
2019		153.87		
2018		164.67		
2017		166.09		
2016		176.80		
2015		179.68		
2014		191.17		
2013		349.09		
2012		630.71		
2011		690.39		
2010		112.86		

690.4 AF

Field Exam 36-16156