

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-14186

Exam Date: 7/25/2011

1. Current Owner: NEW PHASE INVESTMENTS LLC
PO BOX 756
RIGBY ID 83442
2. Accompanied by: Lester English
Phone No: 208-522-2431
Address: 2281 W. Heyrend Way, Idaho Falls, ID 83402-5805
Relationship to Permit Holder: Leases building from owner

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

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

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

GROUND WATER SW1/4NW1/4 Sec. 2, Twp 01N, Rge 37E, B.M.
BONNEVILLE County

Method of Determination: GPS/Map

2.

PLACE OF USE: COMMERCIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
01N	37E	2							X	X									

Method of Determination: Map

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 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 Size</u>
A0016391		7.5			

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Flowmeter	Sonic	Fuji	Portaflow	A0L55371		

2. Measurements:

Used a Fuji flowmeter to measure flow as it enters building from well.

E. FLOW CALCULATIONS X Additional Computation Sheets Attached

Measured Method:

Theoretical Q = $8.8 \times 0.7 \times 7.5 / 110 + 2.31 \times 50 = 0.21$ cfs

Flowmeter reading where water enters building = 46.42 gpm = 0.1 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: NA

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \text{NA}$ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \text{NA}$ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \text{NA}$

2. Volume Calculations for Other Uses:

Culinary use = 0.6 AF

Soil washing, actual use = 1,439,436 gallons = 4.4 AF

Total use = 5.0 AF

G. NARRATIVE/REMARKS/COMMENTS

Water enters the building in the northwest corner. It is repressurized with a 7.5 HP booster pump and three 125psi WM25-WB 87 gallon pressure tanks. No flowmeter is present. Culinary water splits off and supplies the following:

- 4-Single commode bathrooms with one sink each
- 1-Lunchroom sink
- 2-Miscellaneous sinks
- 1-Drinking fountain
- 1-Ice maker
- 1-Handwash station

The potato field soil washing water passes through a flowmeter into 9 washing stations. After washing, it exits the building into 3 sediment settling tanks. Water is then injected back into the ground.

Email from Wayne Jones states that the well has a 7.5HP pump.

Lester English, USDA, Emailed the following totals for water use in the soil washing portion of the lab: (gallons) 2009-1,149,426; 2010-679,529(lab shut down part of year); 2011- 833,437(through 8-9-11). In doing use calculations, it appears that 2010 and 2011 would be close to 2009, so the total from that year is used.

IDWR Site Tag A0016391 is located on well casing.

Water is used for culinary purposes and to wash soil samples from potato fields to render samples for nematode testing. Water used to wash soil samples is returned to the aquifer.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
COMMERCIAL	01/01 to 12/31	0.050 CFS	5.00 AF
<u>Totals:</u>		0.050 CFS	5.00 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 James Bitzenburg

Date 07-25-2011

Reviewer James Cefalo Date 1/6/2012

Bitzenburg, James

From: English, Lester G (APHIS) [Lester.G.English@aphis.usda.gov]
Sent: Tuesday, August 09, 2011 1:51 PM
To: Bitzenburg, James
Subject: RE: water consumption 2281 Heyrend Way, Idaho Falls, Id.

James

Here is the data from our meter logs

2009 1,149,436 total gallons
2010 679,539 total gallons Lab shut down part of the year due to new drain field installation
2011 833,437 total gallons through Aug 9, 2011 *221 days - 60.6% of year*
Full year = 1,375,309

From: Bitzenburg, James [mailto:James.Bitzenburg@idwr.idaho.gov]
Sent: Monday, August 08, 2011 10:42 AM
To: English, Lester G (APHIS)
Cc: wayne@newphasedev.com
Subject: RE: water consumption 2281 Heyrend Way, Idaho Falls, Id.

Lester-

If we can get total volume diverted per year for the last few years, it would better represent the actual water use and possibly give Wayne Jones a better water right on his property. Yearly totals from the flowmeter would be preferable.

Jim Bitzenburg, IDWR

From: English, Lester G (APHIS) [mailto:Lester.G.English@aphis.usda.gov]
Sent: Monday, August 08, 2011 9:11 AM
To: Bitzenburg, James
Subject: water consumption 2281 Heyrend Way, Idaho Falls, Id.

Jim

The way we calculate consumption is gallons per sample. So last year we ran 52,000 samples @ 16 gallons per sample so we would have used appx. 832,000 gallons to process our dirt. This does not take into account the water used in our office area and I think you got some readings on that when you were here.

Let me know if you need anything else.

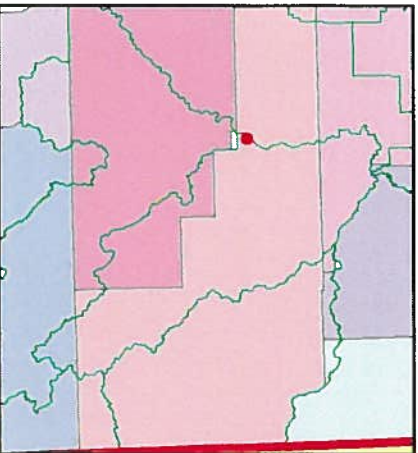
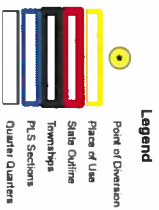
Lester G. English
Program Assistant
Aphis-PPQ
Idaho Falls, Idaho
208-535-7314

$$\begin{array}{r} .606 \times \\ \hline .606 \end{array} \quad \begin{array}{r} = 833437. \\ \hline .606 \end{array}$$



Idaho Department of Water Resources

Water Right
25-14186
(COMMERCIAL)



Bonneville County
IDWR Basin 25

Prepared by Bitzenburg, James
On August 26, 2011
2009 Aerial Photography



Wastewater Pipe exiting settling tanks



USDA-APHIS Flowmeter location

Wastewater pipe enters ground



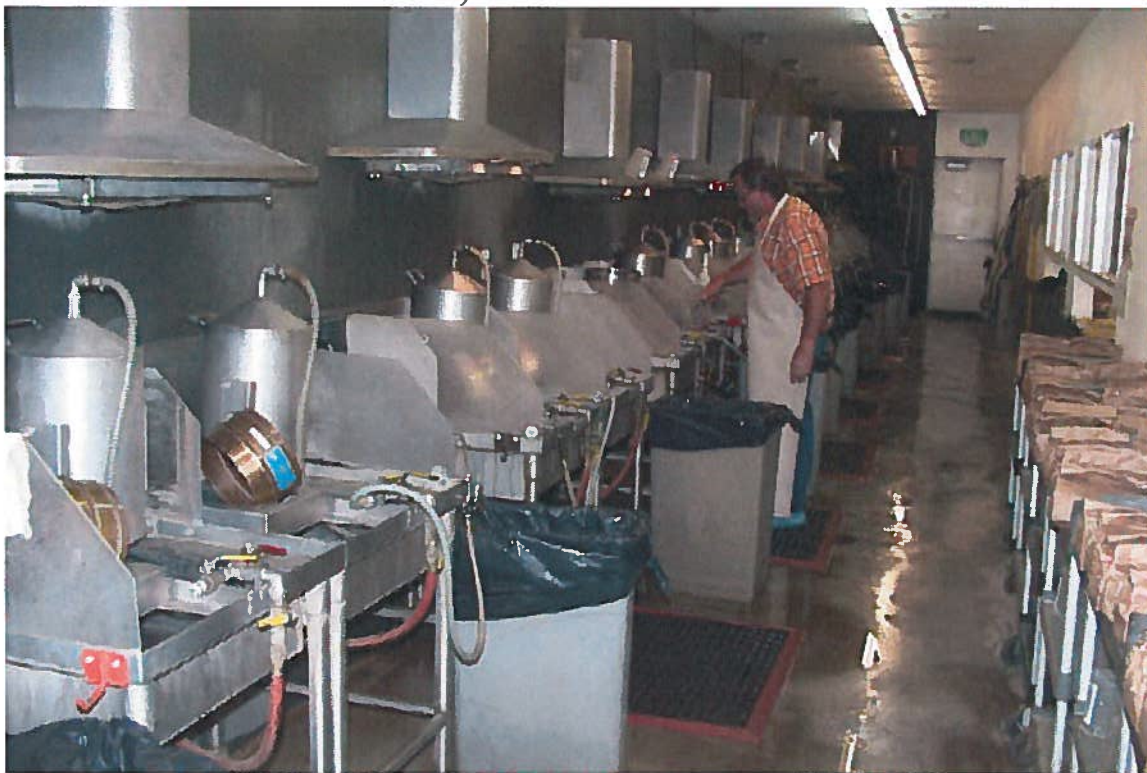
Wastewater injection area

Sediment settling tanks



Wastewater pipe exiting
settling tanks

Washing Stations



wastewater pipe exiting building

New Phase Investments - Well



well in relation to building

Booster Pump and inside plumbing



Pressure and holding tanks

	4 'VELOCITY ft/s	'FLOW RAT' gal/min	+'TOTALIZER gal
8/1/2011 11:28	4.969	53.97	19813.48
8/1/2011 11:28	5.056	54.917	19822.39
8/1/2011 11:28	5.037	54.705	19831.53
8/1/2011 11:29	5.013	54.453	19840.79
8/1/2011 11:29	5.035	54.688	19849.69

Run time: 0.78 min.

36.21 gal.

46.42308 gpm

New Phase Inv. Flow into Building From Well

FOR OFFICE USE ONLY
Amt. of Fee \$: 50.00
Receipt No. 6084740
Receipt By: AMP
Date Received: 8-13-07

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
PROOF OF BENEFICIAL USE

RECEIVED

AUG 13 2007

DEPARTMENT OF
WATER RESOURCES

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed all development that will occur under this permit and that water has been applied according to the provisions of the permit for the beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or be accompanied by a completed field examination report prepared by a certified water right examiner.

1. Permit No. 25-14186 Telephone No. 208-523-2565
2. Name of Permit Holder(s): NEW PHASE INVESTMENTS LLC
3. Mailing Address: 2281 W. HEYREND WAY
City IDAHO FALLS State ID Zip 83402
4. Source of Water: GROUND WATER If GROUNDWATER (well), Date Drilled: mo. 12 / yr. 2000
Well Driller: TETON WATER WORKS Drilling Permit Number: 56-7687

5. Use(s) (as authorized by the water right permit):

Domestic (No. of households): _____ Stockwater (No. and type of stock): _____

Irrigation (No. of acres): _____ Other: COMMERCIAL - NON/CONSUMPTIVE

6. Total rate of diversion and/or volume for which proof is submitted: .05 cfs OR _____ acre-feet

7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)

(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)

Measuring Device: Is a measuring device required?
Has the measuring device been installed?

Yes _____ or No X
Yes _____ or No X

8. Fee Enclosed: \$ 50.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)

9. Person to contact to accompany the Department representative during field examination of the water system.

Name: WAYNE JONES Telephone Number: 208-523-2565

Address: 2281 W HEYREND WAY, IDAHO FALLS, ID 83402

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted. I agree to relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: [Signature]
(include your title, if on behalf of company or organization)

Date: 8/3/07