

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 13-7135

Exam Date: 1/3/2013

1. Current Owner: ROBERT TIMMONS
74 E VALLEY VIEW DR
PRESTON ID 83263
(208)851-1138

And

BARBARA SENTER
11386 N ONEIDA RD
THATCHER ID 83283
(208)851 1137

2. Accompanied by: In-Office Field Examination (information obtained from file, 12/27/2012 email from Barbara Senter, and 1/3/2013 phone conversation with Barbara Senter.

3. SOURCE

UNNAMED STREAM

TRIBUTARY

BEAR RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 13-7576 (hot springs; Commercial use), 13-7577 (hot springs; Power use), 13-4347 (cold spring; Domestic use)
2. Other water rights with the same point of diversion: None;

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

UNNAMED STREAM NE1/4SE1/4 Sec. 7, Twp 13S, Rge 41E, B.M. FRANKLIN County

Method of Determination: Bing Map, and Arc Map 2009, map in file and phone conversation with Barbara Senter.

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
13S	41E	7	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	1.0
					1.0														1.0

Total Acres: 1.0

Method of Determination: Bing Map, and Arc Map 2004 -2011, map in file and phone conversation with Barbara Senter.

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 (in-office field examination, went with information in the file, and phone conversation on 1/3/2013 with Barbara Senter. She felt comfortable with the location shown on the map submitted with the permit).

4.

Well or Diversion**ID No.*****Motor Make****Hp****Motor Serial No.****Pump Make****Pump Serial No. or Discharge****Size**

Complete gravity flow system. Mud and rock dam with a plastic liner (no cement), 6 inch discharge to 6 inch PVC that reduces to 2 inch PVC to various size rainbird nozzles located throughout the lawn/yard area surrounding the hot tubs and pool area. Unknown psi.

C. Measurements:

No physical measurement was taken, since this was an in-office field examination. For this reason, the following calculations were used to determine the diversion rate:

$$0.03 \text{ cfs} \times 1 \text{ acre} = 0.03 \text{ cfs}$$

Pipe Conversion: from the dam, to a 4 inch discharge, to 4 inch PVC reducing to 2 inch PVC to the 4 or 5 misc. size rainbird nozzles that run at one time, rotating around the lawn/yard surrounding the hot tubs and pool area.
2 inch conversion rate = $5 \times 3.1416 \times (\text{diameter}/12)^2 \times \text{velocity} = 0.11 \text{ cfs}$

RECOMMEND:

Allow 0.03 cfs

D. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (1.0 \text{ Acres Irrigated}) \times (3.5 \text{ Irrigation Requirement}) = 3.5 \text{ af}$$

$$V_{D.R.} = [0.03 \text{ cfs Diversion Rate (cfs)}] \times (214 \text{ Days in Irrigation season}) \times 1.9835 = 12.7 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.5 \text{ af}$$

RECOMMEND:

3.5 af

E. Field Examination Narrative:

In-Office field examination (information was obtained via a 12/27/2012 email, and a 1/3/2013 phone conversation with Barbara Senter): At the POD there is a mud and rock dam with a plastic liner (not cement). Water is piped in a 4 inch PVC line, reduces to 2 inch PVC to misc size rainbirds to sprinkle the lawn area surrounding the hot tub and pool area. Four or 5 nozzles run at one time, at an unknown psi. According to the Tax Lot information that was updated on 10/4/2010, the property where the POU is located is owned by Barbara Senter and Robert Timmons (divorce decree is in the file). The property where the POD is located is owned by Don Carter Family Trust 487 E 3200 N., Preston, ID 83263.

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

F. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	0.030 CFS	3.50 AF
<u>Totals:</u>		0.030 CFS	3.50 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

G. AUTHENTICATION

Field Examiner's Name



Date

1/3/2013





NWNE

13S41E

SWNE

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Hemenway, Sandy

From: Barb or Steph [info@maplegrovehotsprings.com]
Sent: Thursday, December 27, 2012 8:21 PM
To: Hemenway, Sandy
Subject: Re: 13-7576 Timmons and Senter, request to reinstate Water Permit

Hi Sandy,

Sorry this is slower response with the holidays and not all info I know. The only one we are having examined by Scheiss & Assoc is the hot water right that lapsed, the others are still ready for the IDWR to examine whenever it is convenient. I am not opposed to getting all of them finished up but did not really make plans to do so. I will answer what I can without research then work on the rest soon... Power

1. The wheel is a Stream Engine from New Brunswick Canada made by Energy Design 2. yes batteries 6 volt deep cycle batteries, 16 of them 3.

4. House is 1400 sq ft approximately and business building about 30x40 5. Appliances... 2 refrigerators, gas forced air furnace, computer, chest freezer, microwave, lighting, 2 water pumps, one septic lift pump, phone booster equipment to get cellular reception. All of the electricity is put in to the batteries and utilized, some electricity is made by solar panels and windmill as well.

Irrigation

The dam is mud and rock with a plastic liner not cement. We run sprinkler heads mounted in 2 inch pvc lines to sprinkle the lawn area. The water is piped in a 4 inch line before the sprinklers. *1/3/2013 phone conversation w/ Barbara: misc. size rain birds, 4 or 5 nozzles run at one time throughout the hot tub, pool area location only. S.H. (misc. size + unknown psi)*

Culinary Spring

I believe a 1 inch line is running down to our cisterns. We use only this drinking spring for drinking, showers and toilets. The spring puts out about 100 gallons an hour.

Sorry for any missing info, I will have to ask my ex-husband about some of it. Barb:)

----- Original Message -----

From: "Sandy Hemenway" <Sandy.Hemenway@idwr.idaho.gov>
To: "Barb or Steph" <info@maplegrovehotsprings.com>
Cc: "Sandy Hemenway" <Sandy.Hemenway@idwr.idaho.gov>
Sent: Tuesday, December 18, 2012 2:52:35 PM
Subject: RE: 13-7576 Timmons and Senter, request to reinstate Water Permit

Barb,

Thank you so much for the quick response. I really appreciate it.

Now that I'm looking at overlapping water rights (13-7577 Power use, 13-4347 Domestic internal/spring source, and 13-7135 unnamed stream for irrigation use). Can you give me the following information on these water rights:

13-7577 Power:

- (1) Do you have a picture and any additional information on the pelton wheel (size, make/model, serial number)?
- (2) Do you have any type of power storage (batteries), and if so what volt and how many batteries?
- (3) Is the only water source for the pelton wheel the same 6 inch line off of the hot springs pond, that supplies water to the hot tubs and pool?
- (4) What is the square footage of the residence that is supplied by the pelton wheel?
- (5) What appliances are supplied by this power source?

13--7135 Irrigation Use, from an unnamed stream:

- (1) On the Map (sent on another email), can you mark and identify the point of diversion?
- (2) Can you outline on the map, the place of use that is irrigated by the unnamed stream?

- (3) Can you draw on the map the open ditches, pipe (size and type)?
- (4) If sprinklers are used in addition to gravity flow, what make and size nozzle are the sprinklers, and how many can run at one time?
- (5) Do you know what pressure this system runs at (psi)?
- (6) Is the dam a concrete dam, and if so, do you know what the dimensions are?
- (7) Do you have the ability to measure the flow that is diverted from the dam for irrigation use?

13-7347 Spring source for domestic use (headbox, gravity flow to residence)

- (1) In the notes, it stated that this spring supplied the restrooms and café at the hot tubs and pool. Is this still the case, and if so, what type and size of pipe goes from the spring to there?
- (2) What is the water source for the restrooms and café at the hot tubs and pool?

I know it's a lot of questions, but I really appreciate all your help so we can complete your water rights. If you have any questions, please give me a call.

Thanks,

Sandy Hemenway
(208)287-4920

-----Original Message-----

From: Barb or Steph [mailto:info@maplegrovehotsprings.com]
Sent: Tuesday, December 18, 2012 2:05 PM
To: Hemenway, Sandy
Subject: Re: 13-7576 Timmons and Senter, request to reinstate Water Permit

1. We have about \$8000 a month business, at \$8 each adult and some overnight stays, so between 800- 1000 people a month.

2&4. Our business opened 5-23-2003. The oldest pool was used every summer as a business from around 1913- 1960. We built the others after our purchase in 1999, first completed 8-10-2000, second was 2001 or 2002, then we opened and built a third tub completed 2008.

3. Original pool was 62x62 feet about and 3 foot -8 foot deep. We cut the pool in half so it is about 31x31 3 foot deep to about 5 foot depth. The other tubs are more round hot tub style 14 foot round waist deep, 12 foot round hip deep, and 16x20 oval also about hip deep.

----- Original Message -----

From: "Sandy Hemenway" <Sandy.Hemenway@idwr.idaho.gov>
To: info@maplegrovehotsprings.com
Cc: "Sandy Hemenway" <Sandy.Hemenway@idwr.idaho.gov>
Sent: Tuesday, December 18, 2012 12:43:52 PM
Subject: 13-7576 Timmons and Senter, request to reinstate Water Permit

Dear Barbara,

I am currently conducting the review to reinstate the water permit 13-7576. Reviewing the beneficial use field examination that was conducted on 8/23 / 2012, there are a few questions that I have about the system:

- (1) How many people use the hot tubs/pool per day or per year?

(2) Do you have any records that indicate historical use of the hot tubs and pool i.e. customer use records, receipts from being constructed, dated pictures, etc. ? Anything that will confirm beneficial use as far back as possible.

(3) What are the dimensions of each of the hot tubs (diameter, depth), and pool (length, width, depth)?

(4) When were the hot tubs and pool constructed and completed?

Please get back with me within 14 days, with the information requested above. Historical records can be scanned and sent as an email attachment or mailed, whichever is easiest.

Thanks,

Sandy Hemenway

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