

RECEIVED

FEB 26 2014

DEPT. OF WATER RESOURCES
SOUTHERN REGIONSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of IdahoIdent. No. 37-22870

1. Name of applicant(s) Terrence Daniels Phone 434-979-9101
 Name connector (check one): ☐ and ☐ or ☐ and/or
 Mailing address: 259 Yellow Mountain Road City Greenwood
 State VA Zip 22943 Email: _____
2. Source of water supply Ground Water which is a tributary of N/A.
3. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	¼	¼	¼	County	Source	Local name or tag #
3N	18E	3		NW	SW	SW	BLAINE	GROUND WATER	New Production Well
~~3N~~	~~18E~~	~~3~~		~~NW~~	~~SW~~	~~SW~~	~~BLAINE~~	~~GROUND WATER~~	~~New Injection Well~~

4. Water will be used for the following purposes:

Amount 0.11 cfs for Heating purposes from 01/01 to 12/31 (both dates inclusive)
 (cfs or acre-feet per year)

Amount 0.11 cfs for Cooling purposes from 01/01 to 12/31 (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

5. Total quantity to be appropriated is (a) 0.11 cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. Proposed production and injection wells to provide non-consumptive heating and cooling uses for the residence.

b. Height of storage dam N/A feet; active reservoir capacity N/A acre-feet; total reservoir capacity N/A acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.

For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ No

c. Proposed well diameter is 8" inches; proposed depth of well is 120' feet.

d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ No

e. If well is already drilled, when? N/A.; drilling firm _____;
 Well was drilled for (well owner) _____; Drilling Permit No. _____

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. N/A

b. Stockwatering; list number and kind of livestock. N/A

c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. N/A

d. Domestic; show number of households N/A.

e. Other; describe fully. Non-consumptive heating and cooling for residence.

8. Description of place of use:

a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.

b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
3N	18E	3											G						
3N	18E	3											L						

Total number of acres to be irrigated: _____

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? Proposed new production and injection wells will be used for non-consumptive heating and cooling uses.

10. a. Who owns the property at the point of diversion? Applicant.

b. Who owns the land to be irrigated or place of use? Applicant.

c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: N/A.

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. Applicant proposes to use new production and injection wells for non-consumptive heating and cooling uses. See accompanying injection well permit.

12. Time required for completion of works and application of water to proposed beneficial use is 5 years (minimum 1 year).

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Terence D Daniels

Signature of Applicant

TERENCE D DANIELS

Print Name (and title, if applicable)

Signature of Applicant

Print Name (and title, if applicable)

For Department Use:

Received by N. ERICKSON Date 2/27/14 Time _____ Preliminary check by N. ERICKSON
 Fee \$ 100.00 Received by N. ERICKSON Receipt No. 5033836 Date 2/27/14



0 25 50 100 Feet

**DANIELS, TERRENCE
APPLICATION FOR PERMIT 2014
NAIP 2013 AERIAL PHOTO.**

Legend

- Neighbors Wells
- Points of Diversion
- twnshp
- Sections
- Daniels Parcel
- QQ Lines
- Proposed POU

BROCKWAY ENGINEERING, PLLC.
ALR - Date: 1/30/2014





State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region • 650 Addison Ave W, Suite 500 • Twin Falls, Idaho 83301-5858

Phone: (208) 736-3033 • Fax: (208) 736-3037 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

March 12, 2014

TERRENCE DANIELS
259 YELLOW MOUNTAIN ROAD
GREENWOOD, VA 22943

RE: Application For Permit No. 37-22870

Dear Applicant(s):

The Department of Water Resources has received your water right application. Please refer to the number referenced above in all future correspondence regarding this application.

A legal notice of the application has been prepared and is scheduled for publication in the **IDAHO MOUNTAIN EXPRESS on 3/19/2014 and 3/26/2014**. Protests to this application may be submitted for a period ending ten (10) days after the second publication (**April 7, 2014**).

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the permit.

Please contact this office if you have any questions regarding the application.

Sincerely,

Denise Maline
Administrative Assistant

cc:

BROCKWAY ENGINEERING PLLC
C/O ZACH LATHAM
2016 N WASHINGTON ST STE 4
TWIN FALLS, ID 83301

Maline, Denise

From: Maline, Denise
Sent: Tuesday, March 11, 2014 5:11 PM
To: Idaho Mountain Express
Subject: LEGAL NOTICES
Attachments: Idaho Mtn Express Cover Letter.docx; Idaho Mtn Express Ad.docx; AB Mitigation Ad .docx; IGWA Mitigation Ad (2nd).docx

Attached please find **(3)** legal notices being submitted for publication on March 19th & 26th, 2014. Please feel free to contact me if you have any questions, or if you are not able to run the ads on the dates requested.

Thank you in advance,

Denise Maline
Idaho Dept of Water Resources
Administrative Assistant, Southern Region
650 Addison Ave W, Ste 500
Twin Falls, ID 83301
(208) 736-3033
denise.maline@idwr.idaho.gov



State of Idaho

DEPARTMENT OF WATER RESOURCES

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C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

March 11, 2014

LEGAL NOTICE DEPARTMENT
IDAHO MOUNTAIN EXPRESS
PO BOX 1013
KETCHUM, ID 83340

RE: Transfer No. 79140
Water Right No(s): 37-22675

RE: Application For Permit No.(s): 37-22870

RE: Notice of Second Mitigation Plan submitted by Idaho Ground Water Appropriators Inc. (IGWA)

RE: Notice of Mitigation Plan submitted by the A&B Irrigation District

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before April 7, 2014. Your cooperation is appreciated.

Sincerely,

Denise Maline
Administrative Assistant

Enclosure(s)

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

37-22870

TERRENCE DANIELS

259 YELLOW MOUNTAIN ROAD

GREENWOOD, VA 22943

Point of Diversion NWSWSW S3 T03N R18E BLAINE County Source GROUND WATER Tributary

Use: COOLING 01/01 to 12/31 0.11 CFS

Use: HEATING 01/01 to 12/31 0.11 CFS

Total Diversion: 0.11 CFS

Date Filed: 2/26/2014

Place Of Use: HEATING & COOLING

T03N R18E S3 SWSW

Application for Permit 37-22870, filed in the name of Terrence Daniels, seeks to appropriate 0.11 cfs of ground water for heating and cooling. Heating and cooling uses will be returned to the aquifer through an injection well. The proposed place of use and point of diversion are located approximately 3 miles east and 4.5 miles south of the City of Ketchum.

**NOTICE OF PROPOSED CHANGE OF WATER RIGHT
TRANSFER NO. 79140**

DOUGLAS C WALTON and DIANA L WHITING, PO BOX 1093, KETCHUM, ID 83340; has filed Application No. 79140 for changes to the following water rights within BLAINE County(s): Right No(s). 37-22675. The purpose of the transfer is to change a portion of the above rights as follows: Application for transfer proposes to change the point of diversion (POD) and place of use (POU) for Big Wood River right 37-22675, which is currently authorized to divert 0.19 CFS for 4.2 acres of irrigation on property located approximately 0.3 mi – 0.4 mi N & 0.5 – 0.7 mi. W of Hailey (Lot 12, River Grove Ranch Subdivision). Application proposes to change two PODs from the Big Wood River, located just upstream of the POU, to a well located approximately 250 ft from the Big Wood River, within the current authorized POU. Application also proposes to create a 4.3-acre permissible place of use (PPU) to include a small portion of ground adjacent to the current authorized POU. Right will continue to be limited to 4.2 acres within the proposed 4.3-acre PPU and continue to under the control of the Big Wood River Water District (37).

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Southern Region office at (208) 736-3033; or for a full description of the rights &/or proposed transfer, please visit our website at www.idwr.idaho.gov and search under New Water Right Applications. Protests may be submitted based on the criteria of Sec 42-222 and 42-203A, Idaho Code. Any protest against the approval of this application(s) must be filed with the Director, Dept. of Water Resources, Southern Region, 650 Addison Ave W, Ste 500, Twin Falls, ID 83301 together with a protest fee of \$25.00 for each application on or before April 7, 2014. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on March 19th & 26th, 2014

MEMORANDUM

Date: February 28, 2014
To: Application for Permit 37-22870 (Terrence Daniels) File
From: Nathan Erickson
Re: Memo

Application for Permit 37-22870, filed in the name of Terrence Daniels, seeks to appropriate 0.11 cfs of ground water for heating and cooling. The permit would authorize the use of ground water for a heating and cooling system that would return the water to the aquifer through an injection well. The applicant proposes to drill a new production well and injection well. Heating and cooling uses will be non consumptive. The proposed place of use and point of diversion are located approximately 3 miles east and 4.5 miles south of the City of Ketchum. The applicant owns the property where the proposed wells are to be located.

Legal

Application for Permit 37-22870, filed in the name of Terrence Daniels, seeks to appropriate 0.11 cfs of ground water for heating and cooling. Heating and cooling uses will be returned to the aquifer through an injection well. The proposed place of use and point of diversion are located approximately 3 miles east and 4.5 miles south of the City of Ketchum.

Erickson, Nathan

From: Zach Latham [zach.latham@brockwayeng.com]
Sent: Thursday, February 27, 2014 3:51 PM
To: Erickson, Nathan
Subject: FW: Danieels Heat Pumps

Nathan-

Please see the email below for justification of the flow rate associated with the recently filed Daniels non-consumptive water right permit. Please give me a call with questions, thanks.

Zach Latham

Hydrologist
Brockway Engineering, P.L.L.C.
2016 Washington Street North, Suite 4
Twin Falls, ID 83301
t. 208-736-8543
c. 208-308-0739
f. 208-736-8506

zach.latham@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.

From: Thornton Heating [<mailto:thorntonheating@hotmail.com>]
Sent: Thursday, February 27, 2014 3:38 PM
To: zach.latham@brockwayeng.com; Greg Strong; Preston
Subject: Danials Heat Pumps

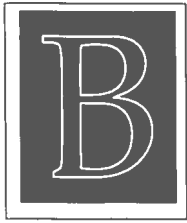
Zach

The heat pumps are Bosch SM series units. I have two five ton units and one three ton unit for a total of thirteen tons. I think with a entering water temperature of 39'-40' we would have to rate the flow at 3.5 gpm per ton. So thirteen tons at 3.5gpm equates to a maximum flow of 45.5 gpm .

Call with questions.

Matt Thornton

Thornton Heating & Sheetmetal
P.O. Box 242
Ketchum, ID. 83340
Ph. 208-726-5520
Fax 208-725-5269
www.thornton-heating.com



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

RECEIVED

FEB 26 2014

DEPT. OF WATER RESOURCES
SOUTHERN REGION

308-0739

February 24th, 2014

Mr. Nathan Erickson
Idaho Department of Water Resources
650 Addison Ave W, Ste 500.
Twin Falls, ID 83301-3380

RE: Daniels- Water Right Permit and Injection Well Inventory Form.

Dear Nathan,

On behalf of Mr. Terrence Daniels, Brockway Engineering is filing a non-consumptive water right permit application for heating and cooling uses for the Daniels residence on East Fork Road, north of Hailey, ID. The water right permit seeks to pump up to 0.11 cfs (approximately 46 gpm) from a proposed production well year round for heating and cooling uses, run it through a closed loop heating and cooling system within the residence and return it to the aquifer through a proposed injection well. An injection well permit application has also been filled out and attached.

Also included is a check from Brockway Engineering in the amount of \$200.00 to cover the water right permit application (\$100.00) and the injection well permit application (\$100.00). Please copy our office on all correspondence regarding these water right permit and injection well applications. Don't hesitate to call our office should you have any further questions or comments. Thanks for your time and assistance on this matter.

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

Regards

Zach Latham, M.S., Hydrologist

Enclosures: (1) Water Right Permit Application and Map
(1) Injection Well Permit Application
(1) Brockway Engineering Check #11880

Cc: Terrence Daniels
Sawtooth Construction- Preston Ziegler