

RECEIVED

MAY 06 2020

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Ident. No. _____

APPLICATION FOR PERMIT
To appropriate the public waters of the State of IdahoWATER RESOURCES
WESTERN REGION

1. Name of applicant(s) Karen Steenhof Phone 208-337-2355
 Name connector (check one): ☐ and ☐ or ☐ and/or
 Mailing address 18109 Briar Creek Road City Murphy
 State Idaho ZIP 83650 Email karensteenhof@gmail.com
2. Name of representative, if any _____ Phone _____
 Mailing address _____ City _____
 State _____ ZIP _____ Email _____
- a. ☐ Send all correspondence for this application to the representative and not to the applicant OR
☐ Send original correspondence to the applicant and copies to the representative.
- b. ☐ The representative may submit information for the applicant but is not authorized to sign for the applicant OR
☐ The representative is authorized to sign for the applicant. Attach a Power of Attorney or other documentation.
3. Source of water supply ground water which is a tributary of n/a
4. Location of point(s) of diversion:

TwP	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #
3S	2W	5		se	se		Owyhee	ground water	??

5. Water will be used for the following purposes:
- Amount 0.1 for irrigation purposes from 04/01 to 10/31 (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)
- Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)
6. Total quantity to be appropriated is (a) 2 cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).
7. Proposed diverting works:
- a. Describe type and size of devices used to divert water from the source. 3 HP pump....see attached
- b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 12. For dams 10 feet or more in height AND having a 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 16 inches; proposed depth of well is 315 feet.
- d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ No
- e. If well is already drilled, when? 1970; drilling firm Johnston;
 well was drilled for (well owner) Bryan Brunzell; Drilling Permit No. 57-7025

For Department Use

Received by KT Date 5/06/2020 Time 2:57pm Preliminary check by _____
 Fee \$ 100.00 Receipted by KT Receipt No. 10047248 Date 5/06/2020

8. Description of proposed uses (if irrigation only, go to item 9):
- Hydropower; show total feet of head and proposed capacity in kW. _____
 - Stockwatering; list number and kind of livestock. _____
 - Municipal; must complete and attach the Municipal Water Right Application Checklist.
 - Domestic; show number of households _____
 - Other; describe fully. _____
9. Description of place of use:
- If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
 - 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	
3s	2w	5																1	1
																		W	
3s	2w	5																1	1
																		J	

Total number of acres to be irrigated: 2

10. 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? _____
11. a. Who owns the property at the point of diversion? Karen Steenhof
- b. Who owns the land to be irrigated or place of use? Karen Steenhof
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: _____
12. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. I will use water from the well to continue a NRCS Wildlife Habitat Improvement Project. I will irrigate 1 acre for the purpose of providing habitat for wildlife and pollinators. The project consists of sprinkler irrigation for seeded forbs and grasses and drip line irrigation for a 350-foot row of shrubs. I will use 4 high impact sprinklers and a drip line that will each run at least 1 hr each day during the growing season.(see attached for details).
13. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year).
14. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map or maps clearly identifying the proposed point of diversion, place of use, section #, township & range. The map scale shall not be less than two (2) inches equal to one (1) mile.

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.

Karen Steenhof
 Signature of Applicant
Karen Steenhof
 Print Name (and title, if applicable)

 Signature of Applicant

 Print Name (and title, if applicable)

My application is for water rights to a well on my property that was drilled by Vernon E. Johnston in 1970 for Bryan Brunzell who had obtained 320 acres from the BLM as a Desert Land Entry (DLE). Brunzell withdrew his claim to rights in 1990 because the well had partially collapsed at 700 feet, either as a result of the 1983 earthquake or due to over pumping, and it was no longer suitable for agricultural purposes. The original well for the DLE was 1100 feet deep and had an in-line shaft turbine. The well is now 315 feet with static water at 93 feet. Brunzell sold his property to Gene Lewis in 1992. In 1995 Lewis (now deceased) replaced the diesel in-line turbine with an electric 3-horse pump. The pump is located inside a pump house.

Gene Lewis subdivided the original 320 acres and sold parcels to other individuals. Water from the well has been used by owners of 3 different parcels: Clough (Tax Parcel 3), Axelsen (Tax Parcel 2), and Allen (Tax Parcel 6). Each of these parcels has subsequently been sold to others: Steenhof, Johnson, and Pennington, respectively. Costs for maintaining the pump and well in recent years have been shared by Steenhof, Axelsen, and Allen. Responsibility for the power bill has shifted among parcel owners over the years. The Idaho Power account is currently in the name of Pennington.

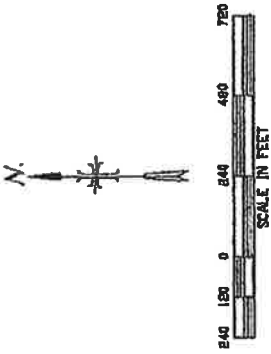
I began using water from the well in 2014 when I entered into a cost-share agreement with NRCS to develop and irrigate 1 acre for the purpose of providing habitat for wildlife and pollinators. The project consists of sprinkler irrigation for seeded forbs and grasses and drip line irrigation for a 350-foot row of shrubs. At that time, the pump was tested and determined to be capable of producing approximately 25 GPM. I have 4 high impact sprinklers that run 1 hour each day during the growing season. The drip line also runs 1 hour each day during the growing season (see specs attached). My plan is to continue the project at the current level with no expansion.

In 2019 the old pump failed, and Steenhof, Axelsen, and Allen shared costs of replacing the pump with another 3-horse pump. The pump is estimated to produce at a rate of 20 GPM and has a 5-year warranty.

Karen Steenhof
05/02/2020

8-10-2012
OWYHEE, IDAHO
Recorded for : THE LAND SURVEYING
02:44:26 No. of Pages: 4
CHARLOTTE SHERBURN
Ex-Officio Recorder Deputy
Index for: SURVEY

ADDED 5.16 ACRE PARCEL REFERENCE NOS # 892937 SHEET 2 OF 2
REVISED 8/7/2012



Section Line	Containing Parcel	Boundary
-----	Containing line	-----
-----	Survey Parcel	Boundary
-----	Dead Lines	-----
○	Found Brass Cap	-----
○	Found Aluminum Cap	-----
○	Set 1/2" x 24" Iron Pin w/	-----
○	Set 3/8" x 36" Iron Pin w/	-----
○	Set PK. Nail	-----
○	Found 1/2" Iron Pin	-----
○	Found 3/8" Iron Pin	-----
△	Calculated Point	-----
△	Found Railroad Spike	-----
VC	Witness Corner	-----
()	Books of Record	-----
□	Found Stone	-----

I, John T. Eddy, do hereby certify that I am a registered Land Surveyor, licensed by the State of Idaho, and that this map has been prepared from an actual survey made on the ground under my supervision, and that this map is an accurate representation of said survey, and is in conformity with the Census Registration and Filing Act, Idaho Code 35-1601 (1969), and is subject to the Idaho Code relating to **ORIGINAL LAND**.



RECORDING INDEX NO. 32-5678-Sub-G-100

RECORD OF SURVEY FOR
VICTOR & MARTINA ALLEN

A PORTION OF THE E 1/2 OF THE
SE 1/4 SECTION 5, T.3S., R.23E.,
BULL GROVE COUNTY, IOWA

E LAND SURVEYING

6531 N. Star Road.
Meridian, Idaho 83448
CDD 885-7921

ACAD DWG. FILE: LEWIS SHZDONG
DES. DR. RLG CLK. JTE SHEET 1 OF 1
DATE: JULY 28, 2012 DWG NO. 072B12



X = other location of water use

NATURAL RESOURCES CONSERVATION SERVICE
Idaho
CONSTRUCTION SPECIFICATIONS
FOR
IRRIGATION SYSTEM, MICROIRRIGATION

Karen Steenhof

(Owner/Operator)

Drip Irrigation

(Project/Title)

GENERAL

Microirrigation systems shall be installed in accordance with a design and plan approved by the responsible technician. Details of construction shown in the design and plan, but not included herein, shall be considered as a part of this specification. Construction activities shall be in accordance with applicable Occupational Safety and Health Administration (OSHA) regulations.

MAIN AND SUBMAINS

Main and submain lines shall be of the material type, size and pressure rating as shown on the drawings. The installation of pipe shall meet the requirements of Idaho Construction Specification 430A, B, C, or D as specified on the drawings.

Aboveground installation of main and/or submain lines may be used when specified on the drawings. Pipe shall be ultraviolet-resistant polyethylene or fiber reinforced material rated for above ground use. All joints and connections shall be capable of withstanding the designated design working pressure for the respective pipe. Pipe crossing over rock shall be supported on saddles or pedestals, or the rock shall be covered with a minimum of six inches of earth before installing the pipe. Pipe supports and/or anchorage shall be in accordance with specific manufacturer's recommendations and details specified on the drawings.

LATERAL LINES

Lateral lines and emitters/bubblers/tape or spray spinners shall be of the materials, size, type, pressure rating and spacing as shown on the design. Lines shall be placed as noted on the drawings. Connections and fittings for and

between system components shall be compatible with the materials used and shall meet the manufacturer's requirements.

APPURTENANCES

Valves, fittings, filters, pressure regulators, etc. shall be as specified on the drawings. Filters shall be set on a firm base. Chemigation devices shall meet the minimum requirements of the Idaho State Department of Agriculture.

PUMPING PLANT

The pump(s) shall be capable of delivering water at the flow and total dynamic head as specified on the drawings. The power unit shall be capable of operating the pump at maximum capacity and head without being in an overload condition. The pump and power unit shall be in accordance with the manufacturer's recommendations.

All electrical wiring and equipment shall be in accordance with the current standards of the National Electrical Manufacturers Association (NEMA), the Underwriters Laboratory, Inc. (UL) and State of Idaho regulations.

TESTING

The system shall be given an operational test. This test shall consist of normal start-stop and running operations. All of the system components shall operate without difficulty. Leakage or defects caused by poor materials or workmanship shall be corrected.

ADDITIONAL SPECIFICATIONS

NATURAL RESOURCES CONSERVATION SERVICE
Idaho
CONSTRUCTION SPECIFICATIONS
FOR
IRRIGATION PIPELINE
ABOVE GROUND PLASTIC

Karen Steenhof
 (Owner/Operator)

Microirrigation
 (Project/Title)

GENERAL

This specification covers the installation and materials for plastic pipe installed above ground. Pipelines shall be installed in accordance with an approved design. Details of construction shown in the design drawings but not included here shall be considered part of this specification. Construction activities shall be in accordance with applicable OSHA regulations.

SUPPORTS

For suspension installations the pipe supports (saddle, rack, stand, hanger, etc.) shall meet design specifications and manufacturer's or industry recommendations.

BEDDING

For installations designed for laying the pipe across naturally occurring terrain, the pipe shall be firmly and uniformly bedded throughout its entire length. Unless otherwise specified on the design, bedding material shall be imported if the ground surface will result in point loads or unacceptable abrasion on the pipe (e.g., bedrock or rock outcrops). Blocking or mounding shall not be used to bring the pipe up to final grade.

PIPE INSTALLATION

Pipe shall be the diameter, length, material and pressure rating/class as specified on the drawings. All special pipe installation or backfilling requirements of the pipe manufacturer shall be followed.

PE pipe shall not be handled when the temperature is less than 10°F or greater than 110°F. Individual joints of pipe shall be inspected and any damaged pipe shall be removed and replaced. Pipe shall not be handled

in a manner that causes structural damage to the pipe. Manufacturer's guidance and recommendations for maximum lengths of pipe that can be dragged shall be followed.

MATERIALS

Pipe and associated materials (such as solvent, fittings, gaskets, etc.) and manufacturing shall be of sufficient quality to ensure the performance characteristics assumed for design computations. All products shall be recommended for above ground use under harsh climatic conditions; specifically, deterrents to degradation by ultraviolet light shall be incorporated into the pipe material. Unless otherwise specified in the design, all products shall be shown to meet applicable requirements of, or requirements of standards referenced by, the current version of one or more of the following standards¹:

1. Polyethylene (PE; commonly referred to as PE or HDPE, the primary difference being product density). ASTM standards D3350, F714, D2104, D2239, D2447, D2737, D3035, F405, F667, F771, F894, and D2774; AASHTO standard M294; AWWA standards C901 and C906; and ASABE/ANSI standard S376.

Plastic pipe shall be marked as directed by the applicable reference standard(s) but shall have at a minimum: nominal pipe size, pipe material, dimensioning system (IPS, PIP, Sch, etc), pressure rating or substitute designation from

¹ When the product is marked with an ASTM designation the manufacturer affirms that the product was manufactured, inspected, sampled, and tested in accordance with its specifications and has been found to meet its requirements.

which the pressure rating can be obtained, and manufacture's name or trademark.

Joints and Connections. All joints and connections shall be constructed to withstand the design working pressure for the pipeline without leakage and shall leave the inside of the pipeline free of any obstruction which could reduce the pipe capacity below design requirements.

All fittings, such as couplers, reducers, bends, tees and endives shall be made of material that is recommended for use with the type of pipe specified and shall be installed in accordance with the recommendations of the pipe manufacturer. Unless otherwise specified in the design, fittings made of steel or other materials susceptible to corrosion shall be protected. Fittings shall at a minimum be painted with one coat of urethane primer applied at a rate of 2 to 3 mils thick and two or more coats of gloss or semi-gloss Alkyd Enamel to provide a minimum thickness of 6 mils; or meet one of the following requirements, as applicable (e.g., products described in AWWA C203 and C209 are not intended for above ground use):

1. Galvanizing. ASTM A53
2. Coal-Tar-Enamel. AWWA C203
3. Cement mortar lining. AWWA C104, or C205
4. Epoxy coatings (liquid or fusion-bonded). AWWA C116, C210 or C213.
5. Tape coatings. AWWA standards C209 and C214.
6. Various. AWWA standard C218.

Valves and other Appurtenances. The pipeline valves and appurtenances shall be of the size, type, material and pressure rating as shown on the drawings. If not specified in the design, pressure ratings shall equal or exceed that of the pipe.

Pressure relief valves shall be stamped with the pressure at which the valve starts to open.

Adjustable valves shall be sealed or otherwise altered to insure that the setting marked on the valve is not changed.

TESTING

When water is available at the time the pipe is installed the system shall be given an operational test. This test shall consist of filling the pipe

with water, taking care safely release any air in the pipe. All of the system components shall operate without difficulty. Leakage or defects caused by poor materials or workmanship shall be replaced or repaired. When water is not available to complete a test, the installer shall provide a guarantee stating they will return and fix leaks that are found when the pipe is initially filled with water.

GUARANTEE

The installing Contractor shall certify that the installation conforms to the requirements of this specification and furnish a written guarantee protecting the landowner against defective materials and workmanship for a period of not less than 1 year. The guarantee will identify manufacturer of pipe and pipe markings.

ADDITIONAL SPECIFICATIONS



Brad Little
Governor

State of Idaho

DEPARTMENT OF WATER RESOURCES

WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082

Phone: (208)334-2190 • Fax: (208)334-2348 • Website: www.idwr.idaho.gov

Gary Spackman
Director

June 10, 2020

KAREN STEENHOF
18109 BRIAR CREEK RD
MURPHY, ID 83650-5006

RE: Application for Permit No. 57-12014

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 OWYHEE AVALANCHE on 6/17/2020 and 6/24/2020. Protests to this application may be submitted for a period ending ten (10) days after the second publication.

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,

A handwritten signature in blue ink, appearing to read 'Kensie Thorneycroft'.

Kensie Thorneycroft
Administrative Assistant

Thorneycroft, Kensie

From: Thorneycroft, Kensie
Sent: Wednesday, June 10, 2020 6:12 PM
To: 'Avalanche Office'
Subject: Owyhee Legal Notice
Attachments: CoverLetter.docx; LegalNotice.docx

Good Evening Legal Clerk,

I am sending you the new legal notices, please send confirmation to my email.

Please see the attached ad for publication on 06/17/2020 and 06/24/2020.

Please confirm these are okay to publish as shown.

Kensie Thorneycroft
Administrative Assistant
IDWR Western Region
208-334-2190



State of Idaho

DEPARTMENT OF WATER RESOURCES

WESTERN Region • 2735 W AIRPORT WAY • BOISE, ID 83705-5082

Phone: (208)334-2190 • Fax: (208)334-2348 • Website: www.idwr.idaho.gov

Brad Little
Governor

Gary Spackman
Director

June 10, 2020

LEGAL NOTICE DEPARTMENT
OWYHEE AVALANCHE
PO BOX 97
HOMEDALE, ID 83628

RE: Application for Permit No. 57-12014

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 7/6/2020. Your cooperation is appreciated.

Sincerely,

Kensie Thorneycroft
Administrative Assistant

Enclosure(s)

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

57-12014

KAREN STEENHOF

18109 BRIAR CREEK RD

MURPHY, ID 83650-5006

Point of Diversion SESE S5 T03S R02W OWYHEE County Source GROUND WATER

Use: IRRIGATION 01/01 to 12/31 0.06 CFS

Total Diversion: 0.06 CFS

Date Filed: 05-06-2020

Place Of Use: IRRIGATION

T03S R02W S5 SESE

Total Acres: 2

Permits will be subject to all prior water rights. For additional information concerning the property location, contact the Western office at (208)334-2190; or for a full description of the right(s), please see <https://idwr.idaho.gov/apps/ExtSearch/WRAApplicationResults/>. 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, Western Region, 2735 W AIRPORT WAY, BOISE ID 83705-5082 together with a protest fee of \$25.00 for each application on or before 7/6/2020. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 6/17/2020 and 6/24/2020