State of Idaho
Department of Water Resources

Water Right License

Water Right No. 65-23657

Priority: May 23, 2016

Maximum Diversion Rate: 0.09 CFS
Maximum Diversion Volume: 8.7 AF

It is hereby certified that:

LONG VALLEY PRESERVATION SOCIETY C/O DAVID MCQUADE
PO BOX 444 DONNELLY ID 83615-0444

has complied with the terms and conditions of the permit, issued pursuant to Application for Permit dated May 23, 2016, and has submitted Proof of Beneficial Use on October 14, 2021. An examination confirms water is diverted from:

Source : GROUND WATER

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
IRRIGATION	04/15 to 10/31	0.09 CFS	8.7 AF

Location of Point(s) of Diversion
GROUND WATER SW¼ SW¼, Sec. 12, Twp 16N, Rge 03E, B.M. VALLEY County

Place of Use: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
16N	03E	12											1.7						1.7
16N	03E	13						1.2											1.2

Total Acres: 2.9

Conditions of Approval

1. This right when combined with all other rights shall provide no more than 0.03 cfs per acre nor more than 3.0 afa per acre at the field headgate for irrigation of the place of use.
2. This right does not grant any right-of-way or easement across the land of another.
3. When ordered by the Director, the right holder shall provide mitigation acceptable to the Director to offset depletion of lower Snake River flows needed for migrating anadromous fish. The amount of water required for mitigation, which is to be released into the Snake River or a tributary for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this right. Any order of the Director issued in accordance with this paragraph shall be in conformance with applicable rules allowing the right holder due process as the need for mitigation and the amount of mitigation are determined.

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State of Idaho
Department of Water Resources

Water Right License

Water Right No. 65-23657

This license is issued pursuant to the provisions of Idaho Code § 42-219. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed this 18th day of May, 2023.

SCOTT STORMS
Water Rights Supervisor

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State of Idaho
Department of Water Resources

Attachment to Water Right

65-23657

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23657
Exam Date: 06/06/2022

1. Current Owner:
LONG VALLEY PRESERVATION SOCIETY C/O DAVID MCQUADE
PO BOX 444 DONNELLY ID 83615-0444

2. Accompanied by: DAVID MCQUADE
Phone No:208-761-1570
Address: 13131 Farm to Market Rd, Roseberry Rd, Tamarack, ID 83615
Relationship to permit Holder: Permit Holder

3. **SOURCE:**
GROUND WATER

Method of Determination: Aerial photography and site visit

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 SW¼ SW¼, Sec. 12, Twp 16N, Rge 03E, B.M. VALLEY County

Method of Determination: Site visit and GPS at 44°43'53" N 116°02'49" W

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
16N	03E	12											1.7						1.7
16N	03E	13						1.2											1.2

Total Acres: 2.9

Method of Determination: Field photos and aerial photography.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.
x 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
x 1:24,000 or greater.

x Aerial Photo Attached (required for irrigation of 10+ acres).

x Photo of Diversion and System Attached

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4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0073158	Franklin Electric	1.5	2443099004	Franklin Electric	9382-2520

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N/A	N/A	N/A	N/A	N/A	N/A	N/A

2. Measurements: None taken

E. FLOW CALCULATIONS

N/A Additional Computation Sheets Attached

Measured Method: Following IDAPA Beneficial use exam rules 35.01.(r). no measurement was taken.

Theoretic Irrigation Rate 0.09 cfs
Permitted Total Rate 0.12 cfs
License Recommendation 0.09 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$V_{I.R}$ = (Acres Irrigated) x (Irrigation Requirement) = 2.9 acres x 3 AFA = 8.7 AF
$V_{D.R}$ = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = 0.09 cfs x 259 days x 1.9835 = 46.2
V = Smaller of $V_{I.R}$ and $V_{D.R}$ = $V_{I.R}$ = 8.7 AF

2. Volume Calculations for Other Uses: N/A

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G. NARRATIVE/REMARKS/COMMENTS

A field exam was conducted on 06/06/2022 by Water Right Agent Marcelina Williams and was accompanied by Mr. McQuade. David McQuade is a board member of Long Valley Preservation and the original applicant. The application for permit was submitted on May 23, 2016, and proof of beneficial use was submitted on October 14, 2021.

The point of diversion (POD) location was confirmed by a ground water well head in the SWSW QQ. Two POD locations were described on the permit to allow flexibility in drilling location, and a condition was included describing the permit only authorized one POD. It is recommended the other POD location be dropped from the license. The well located in the SWSW QQ uses an underground 1.5 hp Franklin Electric motor and pump to divert water underground, using 1.5" polyethylene piping. This main line extends to the end of the west side of the property and then runs north to south connecting the landscaping irrigation system. Water right overlap review did not discover any other water rights associated with the ground water PODs.

The permit authorizes 2 acres of irrigation in SWSW Sec 12, T16N, R03E and 2 acres of irrigation in NWNW Sec13, T16N, R03E with a total of 4 acers. The irrigated acres were verified in those locations but only 2.9 acres were developed. The 2.9 acres are connected via a Rain Bird Irrigation system. In the norther pasture there are 17 zones and in the southern pasture there are 12 zones, with a total of 29 zones. No amendment required to correct the legal description of the POU.

Condition 103 replaced condition 121 per department standards. Condition R62 was changed to R66 more accurately reflecting the water right. Conditions 26A, 076, and 046 are being removed at licensing.

Have conditions of permit approval been met? __x__ Yes ____ No

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversion	
IRRIGATION	04/15 to 10/31	0.09 CFS	

Totals: 0.09 CFS

2. Recommended Amendments

____ Change P.D. as reflected above ____ Add P.D. as reflected above __x__ None

____ Change P.U. as reflected above ____ Add P.U. as reflected above __x__ None

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I. **AUTHENTICATION** Marcelina Williams

Field Examiner's Name Marcelina Williams Date 05/18/23

Reviewer _____ Date 5/18/23

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THEORETICAL HORSEPOWER EQUATION WORKSHEET

Water Right No.: 65-23657
Examiner: Marcelina Williams
Date of Field Exam: 4/19/2022

Irrigation Use

P/D No.:	OPTION 1	OPTION 2	OPTION 3	
PUMP HORSEPOWER	1.5	1.5	1.5	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	60	64	68	
DISCHARGE PRESSURE	10	15	20	
FRICTION	4	5	6	
				AVE
RATE OF FLOW (cfs)	0.11	0.09	0.08	0.09
(gpm)	47.6	40.0	34.5	

The above calculates the formula = $Q = \frac{8.8 * (\text{Efficiency}) * hp}{\text{depth to water} + 2.31*(\text{psi}) + \text{friction}}$

Assumptions: %70 efficiency

Examiners Notes: Motor and pump are set at unknown depths.

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DELIVERY SYSTEM DIAGRAM

Water Right No.65-23657





Fig. 1 – Irrigated acres within the NWNW QQ. View looking North.



Fig. 2 – Irrigated acres within the SWSW QQ. View looking North.

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Fig. 3 – Location of POD.

GPS'd at:

44° 43' 53" N

116° 02' 49" W



Fig. 4 – Well ID D0073158.

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Fig. 5 – POD within the SWSW QQ. View looking East.



Fig. 6 – View looking East at irrigated acres in the SWSW QQ.

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Fig. 7 & 8 – Irrigated acres in the SWSW QQ of the POU. View looking West.



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Fig. 9 – Irrigated acres in the SWSW QQ of the POU. View looking West.



Fig. 10 – Irrigated acres in the SWSW QQ of the POU. View looking North.

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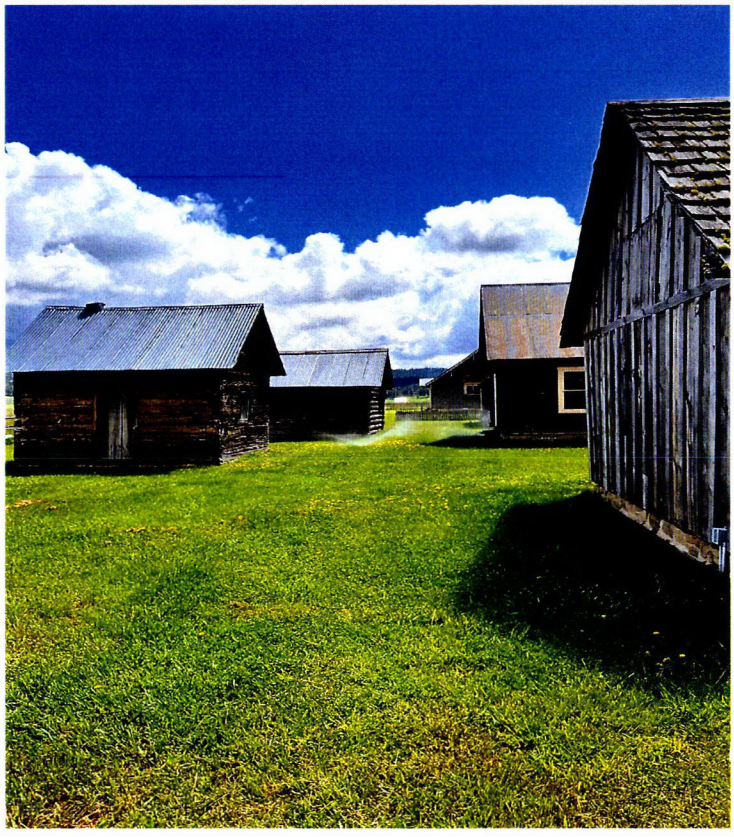
Fig. 11 & 12 – Irrigated acres in the SWSW QQ of the POU. View looking North and West.



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Fig. 13 & 14 – Irrigated acres in the SWSW QQ of the POU. View looking East.



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Fig. 15 – Irrigated acres in the SWSW QQ of the POU. View looking East.



Fig. 16 – Irrigated acres in the SWSW QQ of the POU. View looking North.

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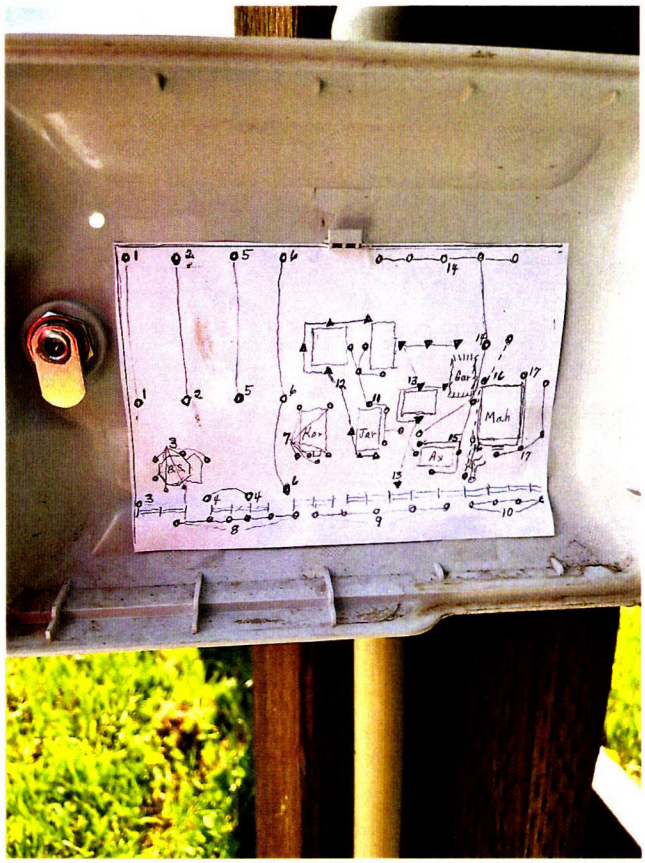


Fig. 17 – Irrigation system diagram on the inside of the Rain Bird sprinkler system control box for the SWSW QQ.

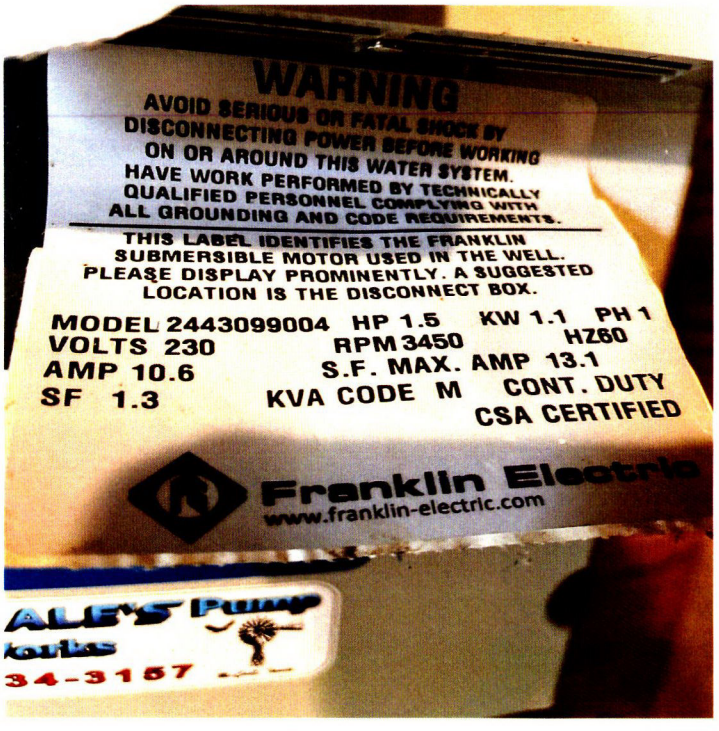


Fig. 18 – Inside the pump house in the West end of the POU in the SWSW QQ.

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Fig. 19 &20 – Pump and motor specs in pump house.



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Fig. 21 & 22 – Rain Bird sprinkler 6504 is distributed throughout the POU .

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Fig. 23 & 24 – Irrigated acres in the NWNW QQ of the POU. View looking North.

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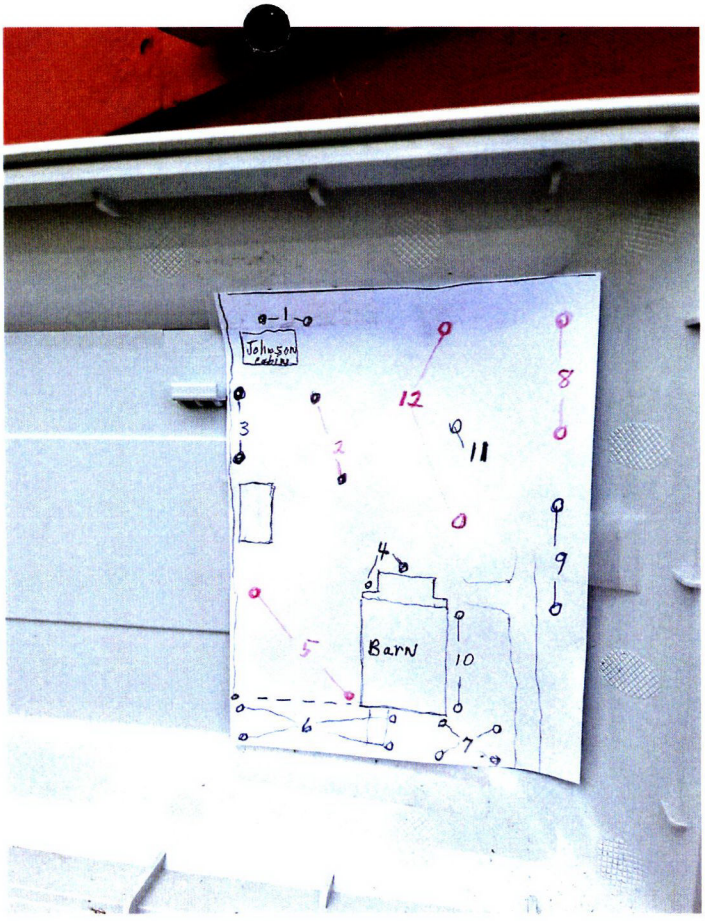




Fig. 25 & 26 – Irrigation system diagram on the inside of the Rain Bird sprinkler system control box for the NWNW QQ.

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Fig. 27 &28 – Irrigated acres in the NWNW QQ of the POU. View looking North.

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Fig. 29 & 30 – Irrigated acres in the NWNW QQ of the POU. View top photo looking West and South.



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Fig. 31 & 32 – Irrigated acres in the NWNW QQ of the POU. View top photo looking East.



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Form 238-7
6/07

65

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0673158
Drilling Permit No. 9748836-8809443
Water right or injection well # 65-23657

2. OWNER:
Name Long Valley Preservation Society
Address 13131 Farm To Market Rd PO Box 444
City Donnelly State Id Zip 83615

3.WELL LOCATION:
Twp. 16 North ☒ or South ☐ Rge. 3 East ☒ or West ☐
Sec. 12 SW (10 acres) SW (40 acres) SW (160 acres)
Gov't Lot ____ County Valley
Lat. 44 ° 43.880 (Deg. and Decimal minutes)
Long. 116 ° 02.817 (Deg. and Decimal minutes)
Address of Well Site 13131 Farm To Market Rd
(Give at least name of road + Distance to Road or Landmark) City Donnelly
Lot ____ Blk. ____ Sub. Name ____

4. USE:
☐ Domestic ☐ Municipal ☐ Monitor ☒ Irrigation ☐ Thermal ☐ Injection
☐ Other ____

5. TYPE OF WORK:
☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other ____

6. DRILL METHOD:
☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other ____

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
bentonite chip	0	38	1150 lb	10 gal Tank Grout poured From Top

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/ Schedule	Material	Casing	Liner	Threaded	Welded
6	+1	63	.250	Steel	☒	☐	☐	☒
4	-7	63	Sch 40	PVC	☐	☒	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) ____

9. PERFORATIONS/SCREENS:
Perforations ☐ Y ☒ N Method ____
Manufactured screen ☒ Y ☐ N Type Johnson wire wrap
Method of installation Set in place

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
63	68	.020		4	PVC	Sch 40

Length of Headpipe ____ Length of Tailpipe ____
Packer ☐ Y ☒ N Type ____

10.FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
6-12 orange sand	60	68	200 lb	poured From Top

11. FLOWING ARTESIAN:
Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) ____
Describe control device ____

12. STATIC WATER LEVEL and WELL TESTS:
Depth first water encountered (ft) 60 Static water level (ft) 6
Water temp. (°F) 50 Bottom hole temp. (°F) ____
Describe access port Sanitary well seal

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
62	50	60

Test method: Pump ☐ Bailer ☐ Air ☒ Flowing artesian ☐

Water quality test or comments: good

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water Y	Water N
11	0	1	Top soil		✓
11	1	5	brown sandy clay		✓
11	5	18	gray sand		✓
11	18	38	gray sand w/ clay		✓
6	38	60	gray clay w/ sand streaks		✓
6	60	68	coarse gray sand	50 gpm	

Completed Depth (Measurable): 68'
Date Started: 11-14-16 Date Completed: 11-21-16

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WATER RESOURCES
WESTERN REGION

14. DRILLER'S CERTIFICATION:
I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Pristine Well Drilling Co. No. 408
*Principal Driller Robert W. Gardner Date 11-28-16
*Driller Larry Gardner Date 11-27-16
*Operator II ____ Date ____
Operator I ____ Date ____

* Signature of Principal Driller and rig operator are required.

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MAY 23 2023

IDAHO DEPARTMENT OF
WATER RESOURCES

Western Region • 2735 W Airport Way • Boise, ID 83705-5082
Phone: 208-334-2190 • Fax: 208-334-2348 • Email: westerninfo@idwr.idaho.gov • Web: idwr.idaho.gov

Governor Brad Little

Director Gary Spackman

May 19, 2023

LONG VALLEY PRESERVATION SOCIETY
C/O DAVID MCQUADE
PO BOX 444
DONNELLY ID 83615-0444

RE: License No. 65-23657

ISSUANCE OF LICENSE

Dear Water Right Holder(s):

The Department of Water Resources ("Department") has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review all the conditions of approval listed on your license. The conditions may include ongoing requirements, such as maintenance of a measuring device or implementation of mitigation, as well as information about how your water use may be administered, such as regulation by a watermaster in a water district.

The license is a PRELIMINARY ORDER issued by the Department pursuant to Rule 730 of the Department's Rules of Procedure (IDAPA 37.01.01.730). It can and will become a final order without further action by the Department unless a party petitions for reconsideration, files exceptions, or requests a hearing as described in the enclosed information sheet.

Also, please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Water right forms are available from any office of the Department or on the Department's website at idwr.idaho.gov

If you have any questions concerning the enclosed information, please contact me at (208) 605-4624.

Sincerely,

Anne Evans

for Scott Storms
Water Rights Supervisor

Enclosure(s)

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MAY 23 2023

CERTIFICATE OF SERVICE

I hereby certify that on May 19, 2023, I served a true and correct copy of Water Right License No. 65-23657 by U.S. Mail, postage prepaid, to the following:

LONG VALLEY PRESERVATION SOCIETY
C/O DAVID MCQUADE
PO BOX 444
DONNELLY ID 83615-0444

Lynne Evans
Administrative Assistant I

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MAY 23 2023

EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER

(To be used in connection with actions when a hearing was **not** held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "**Preliminary Order**" issued by the department pursuant to section 67-5243, Idaho Code. **It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:**

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after: (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

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CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

> Unless a different date is stated in a final order, the order is effective fourteen (14) days after its service date if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:
>
> (a) The petition for reconsideration is disposed of; or
> (b) The petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

i. A hearing was held,
ii. The final agency action was taken,
iii. The party seeking review of the order resides, or
iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

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