




LRE Water
 909 Colorado Avenue
 Glenwood Springs, CO 81601
 (970)-945-6777 Voice
 (970)-945-1137 Facsimile

Memorandum

To: BWCD BOARD OF DIRECTORS
From: ERIC MANGEOT 
CC: CHRIS GEIGER
Date: OCTOBER 19, 2023
File: APPLICATION

Applicant Name: McDonald Family Trust

Type of Use: Domestic Commercial
 Industrial Agricultural

Amount: 1.1 AF 0.033 cfs 15 gpm

Location: Area A A-4 Area B Inclusion
 County: EAGLE Contiguous:
 BWCD Division: 6

Mid Valley Metro District Notice Required? Yes No

Blue Creek Water Rights Applied? Yes No

02CW77 Umbrella Plan Water Rights Applied? Yes No **Cost:** \$1,200

This application is to cover depletions associated with Lot 3B of the Gabossi Subdivision in Eagle County (Parcel ID 2391-334-02-009). This property was previously covered under Contract 789. The property is in the SW1/4 SE1/4 of Section 33, Township 7 South, Range 87 West, of the 6th P.M. east of the Town of Carbondale as shown on **Figure 1** (attached). The physical address of the property is 162 Ronce Lane.

The depletions are as follows:

- 1) Domestic In-House Use – One single family dwelling and One accessory dwelling unit (ADU);
- 2) Lawn and Landscape Irrigation – Up to 10,890 square feet of irrigation including garden area; and
- 3) Evaporation losses associated with a proposed swimming pool (1,200 square feet; 9,000 gallons).

Applicant also owns irrigation rights in the Patterson Cummins Ditch. Total depletions are estimated at 1.1 acre-feet as shown on the attached calculation sheet. Diversions associated with this contract will be from Otto Well No. 2 (Permit No. 87208-F) located in the SW1/4 SE1/4, of Section 33, Township 7 South, Range 87 West of the 6th P.M. at a point UTM NAD 83 Z13: 436993m N, 318241m E. The Applicant will need to amend the well permit once the contract is obtained.

| | | |
|-----------------|-----------------------|-------|
| Water User : | McDonald Family Trust | |
| Analysis Date : | October 19, 2023 | |
| District Area: | A | |
| Source Series: | 4 | |
| Maximum Demand: | 15 | 0.033 |
| | (GPM) | (CFS) |

BASALT WATER CONSERVANCY DISTRICT
WATER REQUIREMENTS
(acre feet)

| Month | Total Demand | | | | | | Consumptive Use | | | | | | (13)* Delayed Depletions | (14) Source of Aug/Replace |
|----------------------|--------------------------|-------------------|------------------------|------------------------|------------------|--------------|--------------------------|-------------------|------------------------|-------------------------|-------------------|----------------|-----------------------------|-------------------------------|
| | (1) Domestic In-house | (2) Pool Evap. | (3) Lawn Irrigation | (4) Crop Irrigation | (5) Livestock | (6) TOTAL | (7) Domestic In-house | (8) Pool Evap. | (9) Lawn Irrigation | (10) Crop Irrigation | (11) Livestock | (12)* TOTAL | | |
| January | 0.067 | 0.008 | 0.000 | 0.000 | 0.000 | 0.074 | 0.010 | 0.008 | 0.000 | 0.000 | 0.000 | 0.020 | 0.057 | GNM |
| February | 0.060 | 0.009 | 0.000 | 0.000 | 0.000 | 0.069 | 0.009 | 0.009 | 0.000 | 0.000 | 0.000 | 0.020 | 0.057 | GNM |
| March | 0.067 | 0.014 | 0.000 | 0.000 | 0.000 | 0.081 | 0.010 | 0.014 | 0.000 | 0.000 | 0.000 | 0.027 | 0.057 | GNM |
| April | 0.064 | 0.023 | 0.021 | 0.000 | 0.000 | 0.109 | 0.010 | 0.023 | 0.017 | 0.000 | 0.000 | 0.055 | 0.062 | GNM |
| May | 0.067 | 0.059 | 0.119 | 0.000 | 0.000 | 0.245 | 0.010 | 0.059 | 0.096 | 0.000 | 0.000 | 0.182 | 0.108 | GNM |
| June | 0.064 | 0.037 | 0.150 | 0.000 | 0.000 | 0.252 | 0.010 | 0.037 | 0.120 | 0.000 | 0.000 | 0.186 | 0.135 | GNM |
| July | 0.067 | 0.039 | 0.143 | 0.000 | 0.000 | 0.248 | 0.010 | 0.039 | 0.114 | 0.000 | 0.000 | 0.181 | 0.133 | GNM |
| August | 0.067 | 0.035 | 0.087 | 0.000 | 0.000 | 0.188 | 0.010 | 0.035 | 0.069 | 0.000 | 0.000 | 0.127 | 0.108 | GNM |
| September | 0.064 | 0.026 | 0.079 | 0.000 | 0.000 | 0.169 | 0.010 | 0.026 | 0.063 | 0.000 | 0.000 | 0.110 | 0.100 | GNM |
| October | 0.067 | 0.018 | 0.026 | 0.000 | 0.000 | 0.111 | 0.010 | 0.018 | 0.021 | 0.000 | 0.000 | 0.055 | 0.070 | GNM |
| November | 0.064 | 0.010 | 0.000 | 0.000 | 0.000 | 0.075 | 0.010 | 0.010 | 0.000 | 0.000 | 0.000 | 0.022 | 0.058 | GNM |
| December | 0.067 | 0.008 | 0.000 | 0.000 | 0.000 | 0.074 | 0.010 | 0.008 | 0.000 | 0.000 | 0.000 | 0.020 | 0.057 | GNM |
| TOTALS --> | 0.784 | 0.286 | 0.625 | 0.000 | 0.000 | 1.695 | 0.118 | 0.286 | 0.500 | 0.000 | 0.000 | 1.004 | 1.004 | |

| Assumptions | | | | | |
|-------------|--|----------------------------------|--------|-------------------------------|-------|
| (1) | NUMBER OF RESIDENCES | 2 | (5) | # of Livestock @ 11 gals/day | 0 |
| | # persons/residence | 3.5 | (7) | % CU for Domestic/Commercial | 15 |
| | # gallons/person/day | 100 | (9) | % Lawn Irrig. Efficiency | 80 |
| (2) | Swimming Pool Evaporation + Fill (May Assumed) | 3000 square feet 9000 gallons | (10) | % Crop Irrig. Efficiency | 80 |
| (3) | Sq. Ft. of Lawn Irrigated | 10,890 | | Consumption of Irrig. (af/ac) | 0.000 |
| | Lawn Application Rate (af/ac) | 2.501 | (9-10) | Elevation (feet) | 6424 |
| (4) | Acres of Crop Irrigated | 0.00 | | | |
| | Crop Application Rate (af/ac) | 0.000 | | | |

**Area A-4
Roaring Fork River
Permit No. 87208-F
Type A Well**

*(12) Total Includes 5% Transit Loss
10% from Green Mtn.

**TABLE 1
EVAPORATION CALCULATION - McDONALD FAMILY TRUST (6,424 feet)**

| Month | SEO Monthly Distribution | (1) Gross Lake Evaporation | | (2) Average Precipitation | | (3) Effective Precipitation | | (4) Net Evaporation | | (5) Total Pond Evaporation |
|-----------|--------------------------|-------------------------------|--------------|------------------------------|--------------|--------------------------------|-------------|------------------------|--------------|-------------------------------|
| | | (feet) | (inches) | (feet) | (inches) | (feet) | (inches) | (feet) | (inches) | (acre-feet) |
| January | 3.0% | 0.11 | 1.35 | 0.10 | 1.20 | 0.00 | 0.00 | 0.11 | 1.35 | 0.0077 |
| February | 3.5% | 0.13 | 1.58 | 0.09 | 1.03 | 0.00 | 0.00 | 0.13 | 1.58 | 0.0090 |
| March | 5.5% | 0.21 | 2.48 | 0.10 | 1.20 | 0.00 | 0.00 | 0.21 | 2.48 | 0.0142 |
| April | 9.0% | 0.34 | 4.05 | 0.10 | 1.24 | 0.00 | 0.00 | 0.34 | 4.05 | 0.0232 |
| May | 12.0% | 0.45 | 5.40 | 0.11 | 1.32 | 0.00 | 0.00 | 0.45 | 5.40 | 0.0310 |
| June | 14.5% | 0.54 | 6.53 | 0.11 | 1.30 | 0.00 | 0.00 | 0.54 | 6.53 | 0.0374 |
| July | 15.0% | 0.56 | 6.75 | 0.13 | 1.59 | 0.00 | 0.00 | 0.56 | 6.75 | 0.0387 |
| August | 13.5% | 0.51 | 6.08 | 0.14 | 1.71 | 0.00 | 0.00 | 0.51 | 6.08 | 0.0349 |
| September | 10.0% | 0.38 | 4.50 | 0.14 | 1.64 | 0.00 | 0.00 | 0.38 | 4.50 | 0.0258 |
| October | 7.0% | 0.26 | 3.15 | 0.12 | 1.38 | 0.00 | 0.00 | 0.26 | 3.15 | 0.0181 |
| November | 4.0% | 0.15 | 1.80 | 0.10 | 1.23 | 0.00 | 0.00 | 0.15 | 1.80 | 0.0103 |
| December | 3.0% | 0.11 | 1.35 | 0.10 | 1.25 | 0.00 | 0.00 | 0.11 | 1.35 | 0.0077 |
| | 100.0% | 3.75 | 45.00 | 1.34 | 16.09 | 0.00 | 0.00 | 3.75 | 45.00 | 0.2583 |

- (1) = Monthly distribution of gross annual evaporation rate in accordance with SEO General Criteria.
- (2) = Monthly precipitation from local weather station.
- (3) = Equal to 0 per State Policy No. 2004-3.
- (4) = Net Evaporation = Column (1) - Column (3)
- (5) = Column (4) x Open Water Surface Area (0.017 acres) x Column (4) in feet.

3000 square feet

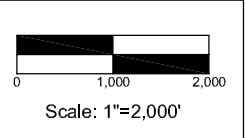
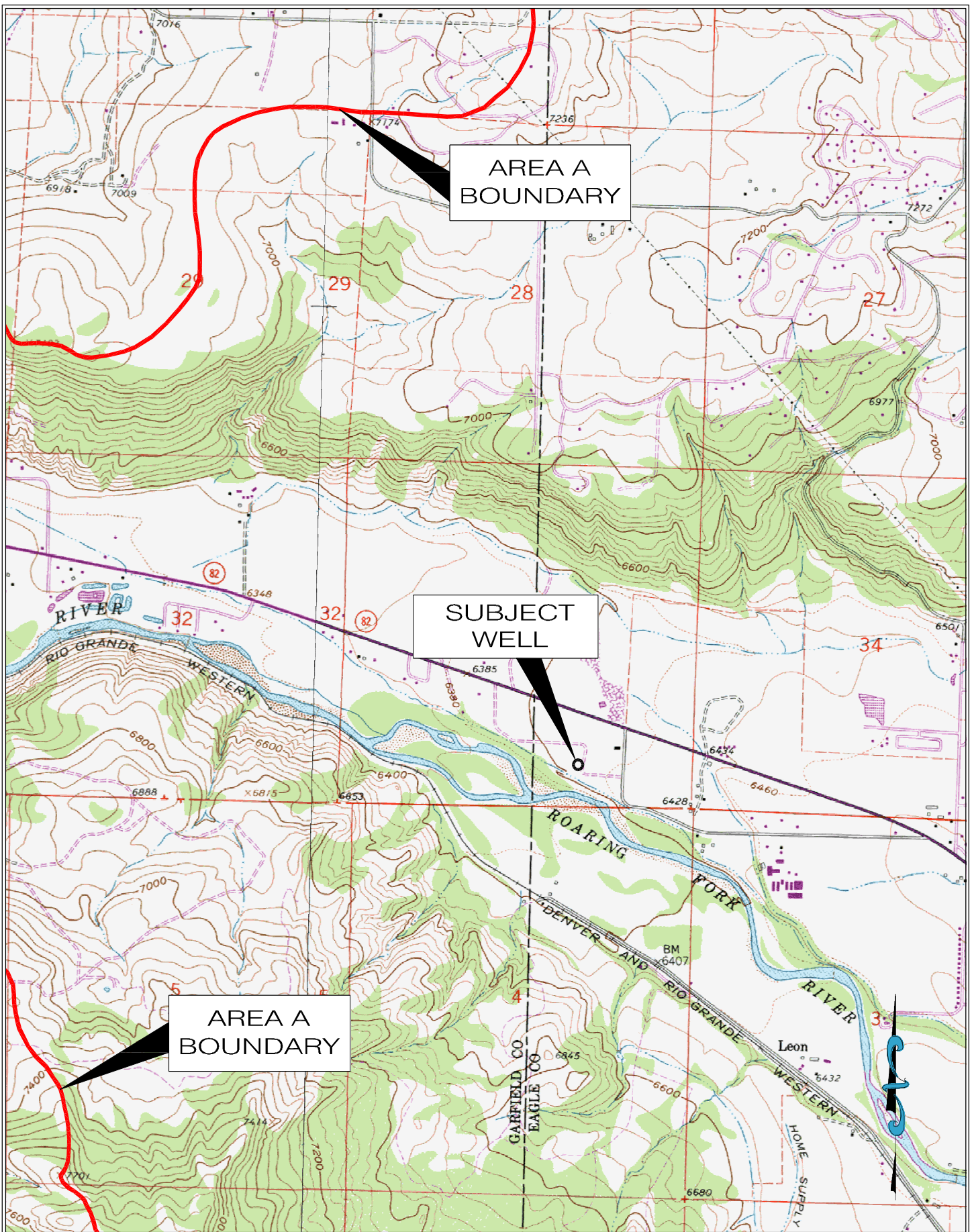


Figure 1: McDonald Family Trust

Water Allotment Contract Application
Basalt Water Conservancy District

**APPLICATION FOR WATER ALLOTMENT CONTRACT
BASALT WATER CONSERVANCY DISTRICT**

1. Applicant(s) Contact Information

- a. Name: The McDonald Family Trust: WALTER S MCDONALD, MARY C MCDONALD TRUSTEES
- b. Mailing Address: Scott and Caroline McDonald, 4666 MCKINNEY CRT, PARK CITY, UT 84098
- c. Street Address: 162 RONCE LN, CARBONDALE , CO 81623
- d. Telephone Numbers: 503-810-2075, 503-705-9736
- e. Email Address: scottandcarolinemcd@gmail.com
- f. If Applicant is represented by an Attorney, please provide the Attorney's contact information, including name, address, telephone, and email:
- g. Emergency Local Contact Information, including name, address, telephone, and email: WILL MCDONALD, 1000 E COOPER ST. ASPEN CO 81611, 503-810-2074, willymcd@gmail.com
- h. Contact Information of property manager, caretaker, irrigator, system operator, or agent who should be provided a copy of this contract, including name, address, telephone, and email:

2. Type of land use (development) proposed for water allotment contract (i.e. single family home, subdivision, gravel pit, etc.): single family home , farming / garden/ fruit trees / landscape.

3. Legal description and address of property on which District's water rights and/or contract water will be used (attach map and vesting deed with proof of ownership)*: 162 RNCE LANE , CARBONDALE, CO 81623

4. Elevation of property: X 6-7,000 ft., _____ 7-8,000 ft., _____ 8-9,000 ft.

5. Name and legal description of water supply diversion point(s):

Name of Diversion: Baslt Water Conservancy District

Type of Diversion _WELL_ (e.g., a well, spring, ditch, pipeline, etc.)

Legal Description: Lot 3B, Gabossi Subdivision, 162 Ronce Lane. Carbondale Co 81623, Eagle County. (ref: Lot3, Arlian Ranch subdivision, Book 466, AT Pg 31 / Lot B1, Leeper Type B Minor Subdivision, At Pg 769).

_____ Quarter, _____ Quarter, Section _____, Township _____ N / S, Range _____ E / W, of the 6th Principal Meridian, at a location _____ feet from the _____ Section line and _____ feet from the _____ Section line.

UTM Coordinates (NAD 83):

Northing: _____.

Easting: _____.

_____ Zone 12 / _____ Zone 13.

If diversion point is a well, please provide the Well Permit No. _____.

Is the well operational/active? _____ Yes, No

Is there currently an operating well meter? _____ Yes, No

Notice: A valid well permit with operating well meter will be required under the contract.

6. Legal Water Supply: (please check one)

Applicant requests consideration by the District to be included in the District's Umbrella Plan for Augmentation decreed in Case No. 02CW77.*

*Note: Certain applicants may qualify to be included in the District's Umbrella Plan at the District's discretion. In order to be included in the District's Umbrella Plan, the Applicant's depletions must occur within the District's defined "Area A" and the Applicant must reimburse the District its *pro rata* share of the District's expenses in obtaining the Umbrella Plan decree. Costs of reimbursement range from \$1,200 for contractees with less than 2 units (EQRs) to \$3,000 for more than 8 EQRs.

_____ Applicant will obtain its own plan for augmentation by applying to the Water Court, Water Division 5 within 2 years of this application. If Applicant has already applied for its own change/approval of plan for augmentation, the Water Court Case Number is: _____.

7. Proposed waste water treatment system: (please check)

_____ Tap to central waste water treatment facility

Septic tank/leachfield system

_____ Evapotranspiration system

_____ Other:

8. Proposed use of water (please check)

X Domestic/Municipal (single family home(s), duplex(s), condominium(s), mobile home(s), apartment). Please complete page four of this application.

 Commercial (hotel, office, warehouse, restaurant, bar, retail). Please complete page five of this application.

 Industrial (gravel pit, manufacturing). Please complete page six of this application.

ERM JN X Agricultural (crop irrigation, stock watering). Please complete page seven of this application. NOT IN CONTRACT

Date on which the county or other applicable governmental entities approved the land use for which you seek legal water service: _____ . (Note: Copy of the Resolution of other documentation evidencing such approval should be submitted with application.)

9. What other water rights are associated with or used on the property?

PATTERSON CUMMINGS DITCH

10. What other uses of water occur on the property?

FIELD DITCH FED SPRINKLER IRRIGATION

Please complete the section below if you selected domestic/municipal use on Page 3,
No. 8

DOMESTIC/MUNICIPAL WATER USES

In-House

Single family residential home(s) Future 4 bedrms Number of Units: 0

Duplex(s) Number of Units: _____

Condominium(s) Number of Units: _____

Apartment(s) Future 1 bedrm Number of Units/Rooms: 0

Mobile Home(s) Number of Units: _____

Irrigation (lawns, parks, open space)

Total area to be irrigated 0 Sq. Ft. or Future 1/4 max Acres

Type of irrigation system (please check)

X Sprinkler

_____ Flood (irrigation ditch)

Domestic stock watering (cattle, horses)

Number of animals: 0

Period of use (months):

Other domestic/municipal uses not listed: Vegetable, Garden swimming pool

EM $300ft^2 \times 4' \text{ AVG DEPTH}$
 $= 1,200ft^3 \text{ OR } 9,000 \text{ GAL}$

Please complete this page if you selected commercial use on Page 3, No. 8

COMMERCIAL WATER USES

In-House

Hotel: _____

Office(s), square footage: _____

Warehouse/distributor, square footage: _____

Retail, square footage: _____

Restaurant, number of seats: _____

Bar, number of seats: _____

Irrigation (lawns, parks, open space)

Total area to be irrigated _____ Sq. Ft. or _____ Acres

Type of irrigation system (please check)

_____ Sprinkler

_____ Flood (irrigation ditch)

Other Commercial Uses Not Listed:

Please complete this page if you selected industrial use on Page 3, No. 8

~~INDUSTRIAL WATER USES~~

~~Please describe your industrial development in some detail:~~

~~Irrigation (lawns, parks, open space)~~

~~Total area to be irrigated 0 Sq. Ft. or _____ Acres~~

~~Type of irrigation system (please check)~~

- ~~_____ Sprinkler~~
- ~~_____ Flood (irrigation ditch)~~

Please complete this page if you selected agricultural use on Page 3, No. 8.

AGRICULTURAL WATER USE

Irrigation By: Patterson Cummings Ditch (field irrigation by sprinkler and drip)

NOT IN CONTACT
EPM

Type of crop(s) (pasture, alfalfa, beans, etc.) and irrigation system:

Crop: hay Acres: 2+ Sprinkler: X Flood:

Crop: _____ Acres: _____ Sprinkler: _____ Flood:

Crop: _____ Acres: _____ Sprinkler: _____ Flood:

Crop: _____ Acres: _____ Sprinkler: _____ Flood:

Stock Watering (cattle, horses)

Number of animals: 0

Months of use: 0

Other agricultural uses not listed:

VERIFICATION

STATE OF Oregon)
) ss.
COUNTY OF Narion)

I, W. Scott McDonald
M. CAROLINE McDONALD (name of Applicant or Applicant's duly authorized representative), being first duly sworn, upon oath, depose and state as follows:

- 1) I am the Applicant or a duly authorized officer, manager, agent or attorney-in-fact for the Applicant for this Application for Water Allotment Contract;
- 2) I have read and know the contents of this Application;
- 3) The information contained herein is an accurate and complete description of the Applicant's intended use of the Basalt Water Conservancy District's water rights;
- 4) The Applicant acknowledges that the accuracy and truth of all statements in this Application are conditions of approval of this Application by the Basalt Water Conservancy District and of the Contract to be made pursuant to such approval; and
- 5) I acknowledge that this application shall be subject to the District's Water Allotment Contract as approved and issued by the District.

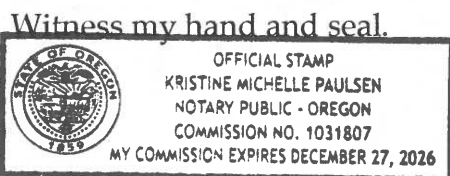
Date: 09/27/2023

By: W. Scott McDonald

Print Name: WALTER S. McDONALD
MARY C. McDONALD

Title: Trustees

Subscribed and sworn before me this 27 day of September, 2023
by Walter S. McDonald and Mary C. McDonald.



KMP
Notary Public

My commission expires: December 27, 2026