

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-14067

Exam Date: 3/5/24

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y ___ N
- X Irrigation of 5 acres or less
 - N/A Storage of up to 14.6 AF for stock water purposes only
 - N/A Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - N/A Other < >
2. Current Owner:
PAM MC DONALD PO BOX 340 LACLEDE ID 83841-0340 AND/OR
WILLIAM MC DONALD PO BOX 340 LACLEDE ID 83841-0340

3. Beneficial Use Fees have been paid: X Y ___ N Receipt No: C117694

4. **SOURCE:**
PEND OREILLE RIVER

Tributary
COLUMBIA RIVER

Method of Determination: ArcMap GIS and Tax Parcel Data.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
96-7616	PEND ORIELLE RIVER	Industrial & Domestic	B.U. Claim filed in CFPRBA
96-8489	PEND ORIELLE RIVER	Irrigation & Fire Protection	B.U. Claim filed in CFPRBA

Comments: Claim is filed from the License 96-7616 with Pend Orielle River as the source for industrial & domestic use. The POU does overlap this right's irrigation POU, but they don't have the same use. There are no overlap concerns with this water right.

Claim is filed by Julie Ann Turner for the License 96-8489 which lists Pend Orielle River as the source for irrigation use for 0.5 acres for irrigation & fire protection. The POU in the system appears to overlap this water right but I have determined that the parcel for 96-8489 is actually RP00549002011AA, Lot 11 of La Clede Shores, owned by Kirby Trust. I do not have overlap concerns with this water rights.

2. Other water rights with the same point-of-diversion: NO Overlap

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
PEND ORIELLE RIVER	L6		NE	SE	30	56N	03W	B.M.	BONNER

Method of Determination: GIS and Tax Parcel Data.

Change in POD? ___Y X___N Amendment Required? ___Y X___N

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	
56N	03W	30													0.8 L6				0.8

Total Acres: 0.8

Method of Determination: GIS and Tax Parcel Data.

Change in POU? X N Amendment Required? X N

3. Diversion System Information:

Description: Screened intake attached to a 1½ HP pump with line going to 6 impact sprinklers

 Delivery System Diagram Attached. (mark all major components and distances between components) X Aerial Photo Attached (required) Photo of Diversion and System Attached

3. Diversion Id No.*	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
PUMP	UNKNOWN	1.5 HP			

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurement required for an in-office exam.

E. FLOW CALCULATIONS

Measurement = 0.8 ac x 0.03 cfs = **0.02 cfs** based on department rounding standards, however the pump discharge is approximately 75 gpm (according to 1½ hp pump specs) which equates to 0.17 cfs. the system can only produce 0.03 cfs which is what was applied for.

Comments: The permit holder provided detailed information on the Statement of Completion identifying a 1.5 HP irrigation pump is used for the lake water irrigation system. Due to flow measurements not being required, I'm recommending a diversion rate based on Administrative Memo – Application Processing No. 17, which authorizes up to 0.03 cfs per acre for small acreage irrigation. The 1.5 hp is sufficient to achieve **0.03 cfs** or 13.5 gpm that I'm recommending for licensing.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.8 \text{ ac} \times 3.0 \text{ afa} = \mathbf{2.4 \text{ af}}$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \mathbf{2.4 \text{ af}}$$

2. Volume Calculations for Other Uses: Surface water (river) source, no volume metrics shall be applied to face of license.

G. PURPOSE OF USEIrrigation Y N # Stock N/A Domestic # of Homes N/A

Other: < >

Change in Purpose of Use? X N

Method of Determination: Taxlot data and information assessed on the permit.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. The Statement of Completion states they are irrigating 1.4 acres and the parcel has 3 homes. The applicant stated they only have one home on the parcel and they own other parcels near there. They were confused. The water for the domestic use is provided by the La Clede Water District. There are no overlapping water right concerns toward licensing this permit. Review of aerial imagery from Bonner County GIS maps, Google Earth, and ArcMap software clearly illustrates the irrigated area; there is an apparent shift/drift in aerial imagery which I've considered when designating the irrigation POU shape in AdHoc. Irrigation is for lawn & minor landscape on the property with 6 impact sprinkler heads.

IDAPA 37.03.02 Beneficial Use Examination Rules designate irrigation using this surface water river source is exempt from volume reporting requirements. There is no maximum diversion volume or annual diversion volume recommended for licensing. Condition X31 provides annual volume limitations for the recommended irrigation beneficial use. I removed condition 029 from the permit during licensing review and all other conditions shall be carried to license approval.

Have conditions of permit approval been met? X Yes ___ No**I. RECOMMENDATIONS****1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	0.03 CFS	2.4 AF

Totals: 0.03 CFS 2.4 AF

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**I. AUTHENTICATION** Tammy Alleman -Field Examiner's Name Tammy Alleman Date 3/7/24

Reviewer _____ Date _____





Alleman, Tammy

From: Alleman, Tammy
Sent: Thursday, February 29, 2024 2:50 PM
To: pammymac1945@gmail.com
Subject: In-Office Field Exam for WR#96-14067

Good afternoon Mr. & Mrs. Mc Donald,

I have been given your Water Right #96-14067 to do an In-Office Field Exam. On the original application you listed that you have a 1½ HP pump. I am just checking to see if that is what you installed. If not, what is the HP of the pump? If you have an irrigation system, do you know how many stations you have? If you have any pictures of the pump or your irrigation system, I could enter it into the file for licensing. It is not required but if you have anything, I can add, it just helps with the approval process. If you have any questions or concerns, I can be reached at (208) 762-2809.

Thank you,



Tammy Alleman | Water Right Agent
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