

IDAHO DEPARTMENT OF WATER RESOURCES
Proof Report

7/24/2020

Water Permit 47-7989

<u>Owner Type</u>	<u>Name and Address</u>
Current Owner	STEPHEN M HARMSSEN , ZZ
Original Owner	TERRY G WHITE 9244 S RILEY CREEK AVE KUNA, ID 83634-5329 (208) 861-0894
Original Owner	MARY D WHITE , ZZ

Status: Lapsed

Source

Tributary

Beneficial Use

From

To

Diversion Rate

Volume

Source and Point(s) of Diversion

Place Of Use

Conditions of Approval:

Comments:

Dates and Other Information

Water District Number: TBD

Mitigation Plan: False

Combined Use Limits

N/A

SubCase:

N/A

Water Supply Bank:

N/A

APR 10 1990

Form 219
6/86

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Department of Water Resources
Southern Region Office

A. GENERAL INFORMATION

Permit No. 47 - 7939

1. Owner: Mud Creek Hydro, Inc. Phone No. _____

Current Address: _____

2. Accompanied by: Gerald Martens EXAM. DATE: 3 - 7 - 39

Address: 1139 Falls Ave. East, T.F. Idaho Phone No. 208-734-4333

Relationship to Permit Holder: None

3. Source: Mud Creek tributary to Snake River

B. OVERLAP REVIEW

1. Other water rights with same place of use: 47 - 7726

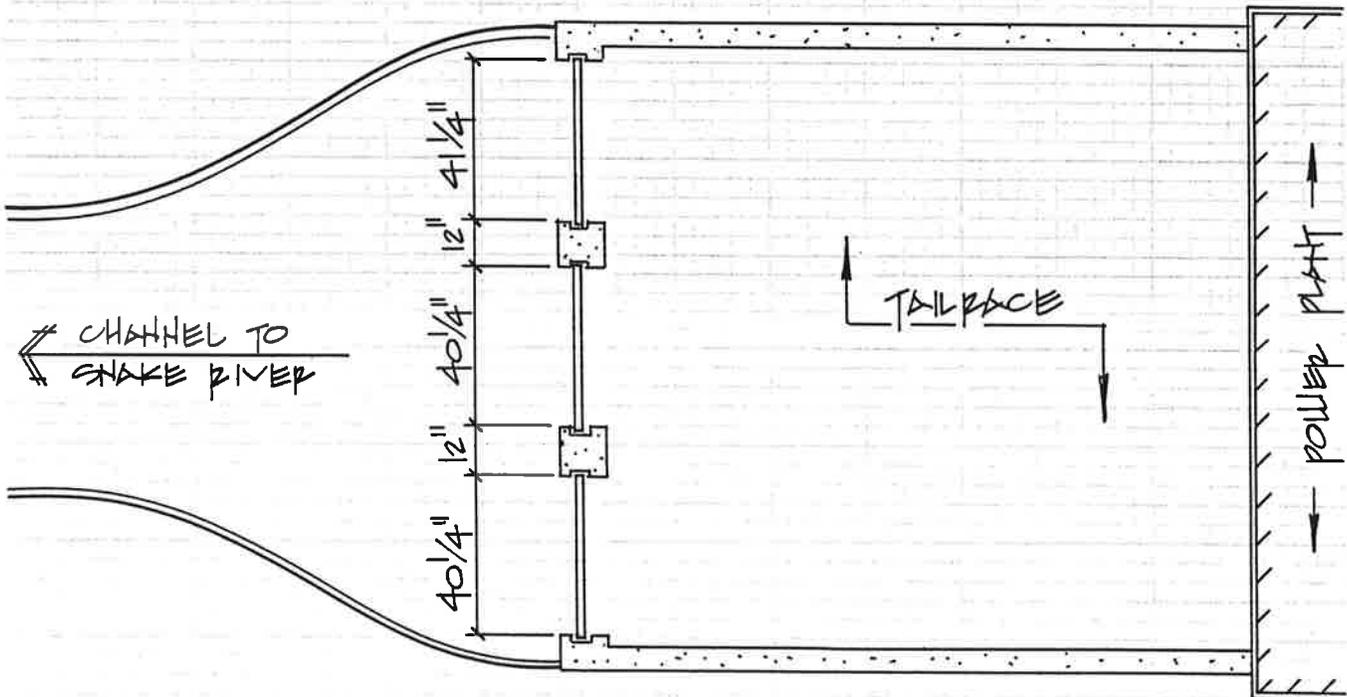
_____ Copies Attached

2. Other water rights with same point of diversion: 47 - 7726

_____ Copies Attached Copies of Field Exam's Attached

C. SYSTEM DESCRIPTION

1. Diversion System Diagram: Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable. Alternative diagram attached



Scale: 1" = 4'-0" ±

- 2. Copy of U.S.G.S. Quadrangle Attached _____ Aerial Photo Attached _____
Showing location(s) of point(s) of diversion and place(s) of use (required) (required for irrigation of 10 acres or more).
- Photo of Diversion and System Attached _____
(required for all but single household domestic groundwater, and stockwater).

68861-47

System Description (continued)

3. **Narrative:** Description (As operating at time of measurement. Indicate pressure, number of sprinklers, etc.)

Gravity flow over 3 rectangular weirs.

See Remarks on page 4 for continuation

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

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

5. **Point(s) of Diversion:**

Ident. No.	Gov't. Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
		SE	NE	NW	28	9 S	145	T.F.	USGS MAP

6. **Place(s) of Use:**

Indicate Method of Determination _____

Twp.	Rge.	Sec.	NE¼				NW¼				SW¼				SE¼				Totals
			NE¼	NW¼	SW¼	SE¼													
9S	14 E	23																	

Do not use this space

Do not use this space

D. FLOW MEASUREMENTS

Additional Data Sheets Attached

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Rectangular Weir			None	None	*Var.	NA
* Weir 1 - 3.35 feet width - Weir # 2 - 3.35 feet - Weir # 3 - 3.44 feet.						

2. Measurements:

Depth over Weir - 0.79 Feet (9 1/2 inches)

$$Q = 0.417 \cdot 2 \cdot (32.2) \cdot (3.44) \cdot (.79)^{1.5} + .417 \cdot 2 \cdot (32.2) \cdot (3.35) \cdot (.79)^{1.5} + .417 \cdot 2 \cdot (32.2) \cdot (3.35) \cdot (.79)^{1.5} = 3.08 + 7.84 + 7.94 = 23.70$$

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

1. Measured Method:

Measured over rectangular weir.

2. Alternate Method for Checking Purposes:

F. PUMP EFFICIENCY DATA (Optional)

Discharge Pressure: _____ psi x 2.31 = _____ ft (1); Dynamic pumping level: _____ ft (2)

Total Head: (1) + (2) = _____ (3) ; Flow rate: _____ cfs (4)

Water HP: (3) x (4) ÷ 8.8 = _____ (5)

Meter Input KW: 3.6 x _____ KH x _____ CTR or _____ MULT x _____ PTR x _____ N / _____ T = _____ (6)

Meter Input HP: (6) x 1.34 = _____ (7)

Panel Input KW: _____ Ave PF x _____ Ave Volts x _____ Ave Amps x .001732 = _____ (6)

Panel Input HP: (6) x 1.34 = _____ (7) Efficiency: (5)/(7) x 100 = _____ %

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____

$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____

$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____

2. Volume Calculations for Other Uses:

EHM Engineers, Inc.
1139 Falls Avenue East
Twin Falls, Idaho 83301



State of Idaho
Department of Water Resources
2148 4th Avenue East
Twin Falls, Idaho 83301

November 28, 1988

RECEIVED

NOV 30 1988

Department of Water Resources
Southern Region Office

Stephen M. Harmsen, G. Pres.
Mud Creek Hydro Inc.
350 S. 400 E.
Salt Lake City, UT 84111

RE: Permit Nos. 47-7726 and 47-7989

Dear Mr. Harmsen:

The department reviewed the proof of beneficial use form received in this office November 17, 1988. Please note that the water right permit is personal property, therefore, the permit must be assigned to you before the proof is acceptable.

If Terry G. and/or Mary D. White wishes to assign the water right to you or have both your names on the permit, they may fill out the Assignment form enclosed with their copy of this letter and have it notarized.

Upon receipt of the Assignment form the department will continue processing the proof of beneficial use.

If you have any questions concerning this matter, feel free to contact this office.

Sincerely,

RITA I. FLECK
Secretary/Records Manager

Enclosures

c: Terry G. and Mary D. White/Assignment Form
S. Region

47-7989

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

RECEIVED
MAY 4 1985
DEPARTMENT OF WATER RESOURCES
SHELDON DISTRICT OFFICE

APPROVED

1. Name of applicant Terry G. & Mary D. White Phone 543-5478

Post office address Route #3 Box 201, Buhl, Id. 83316

2. Source of water supply Mud Creek which is a tributary of Snake River

3. Location of point of diversion is NE ¼ of NW ¼ of Section 28 Township 9 S

Range 14 E B.M. Twin Falls County, additional points of diversion if any: _____

4. Water will be used for the following purposes:

Amount 40 cfs for Power purposes from Aug 1 to Apr 1 (both dates inclusive)
(cfs or acre-feet per annum)

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

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

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

5. Total quantity to be appropriated:

a. 40 cfs cubic feet per second and/or b. _____ acre-feet per annum.

6. Proposed diverting works:

a. Description of ditches, flumes, pumps, headgates, etc. Existing check dam & pipeline to trout ponds; penstock & generator below lowest pond.

b. Height of storage dam _____ feet, active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet, materials used in storage dam: _____

Period of year when water will be diverted to storage _____ to _____ inclusive.
(Month/Day) (Month/Day)

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.

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

8. Description of proposed uses:

a. If water is not for irrigation:

(1) Give the place of use of water: NE ¼ of NW ¼ of Section 28 Township 9 S
Range 14 E B.M.

(2) Amount of power to be generated: 184 kw ~~horsepower~~ under 78 feet of head.

(3) List number of each kind of livestock to be watered _____

(4) Name of municipality to be served _____, or number of families to be supplied with domestic water _____.

(5) If water is to be used for other purposes describe: Power for commercial sale

47-7989

Proposed Priority 12/10/84

Received by LH Date 12/10/84 Time 10:45

Preliminary check by LH Fee \$ 625 00

Receipted by LH Date 12/10/84 # 35233

Publication prepared by Larum Date 12/10/84

Published in Times news

Publication dates 12/13 + 12/20/84

Publication approved meriga Date 12/14/84

Protests filed by: Mad Creek Watershed Assn. withdrawn 4/9/85 - see agreement

Copies of protests forwarded by LH

Hearing held by _____ Date _____

Recommended for approval denial by LH kw

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This is to certify that I have examined Application for Permit to appropriate the public waters of the State of Idaho No. 47-7989, and said application is hereby APPROVED

- 1. Approval of said application is subject to the following limitations and conditions:
 - a. SUBJECT TO ALL PRIOR WATER RIGHTS.
 - b. Proof of construction of works and application of water to beneficial use shall be submitted on or before April 1, 19 90.
 - c. The rate of diversion, if water is to be used for irrigation under this permit, when combined with all other water rights for the same land shall not exceed 0.02 cubic feet per second for each acre of land.
 - d. Other: SEE ATTACHED SHEET FOR CONDITIONS d thru j.

Witness my hand this 30th day of April, 1985.

A. Glen Saylor
Chief, Operations Bureau

ATTACHMENT TO CONDITIONS OF APPROVAL

For Permit No. 47-7989

- d. The permit holder shall either install a measuring device or a flow measurement port or provide a certified measurement or computation of flow based upon system design to be prepared by a professional engineer.
- e. This permit is subject to the agreement dated 4/9/85 between permit holder and protestant(s) to the extent such agreement covers matters within the jurisdiction of the Department of Water Resources.
- f. This permit does not constitute Idaho Public Utilities Commission or Federal Energy Regulatory Commission approval that may be required.
- g. This permit is subject to the provisions of Sections 42-205 through 42-210, Idaho Code, restricting the sale, transfer, assignment, or mortgage of this permit. Failure to comply with these provisions is cause for immediate cancellation of this permit.
- h. Water used under this permit if discharged into a natural channel shall meet Idaho Water Quality Standards.
- i. The diversion and use of water under this permit and any license subsequently issued is subject to review by the Director thirty (30) years from the date of issuance of this permit. Upon appropriate findings relative to the interest of the public, the Director may cancel all or any part of the use authorized herein and may revise, delete or add conditions under which the right may be exercised.
- j. The water right acquired under this permit for hydropower purposes shall be junior and subordinate to all rights to the use of water, other than hydropower, within the State of Idaho that are initiated later in time than the priority of this permit and shall not give rise to any right or claim against future rights to the use of water, other than hydropower, within the State of Idaho initiated later in time than the priority of this permit.
- k. A separate stream alteration permit from the IDWR is required for any activity in the stream channel other than construction and/or maintenance of the diversion structure. If your proposed construction or operation involves construction of an outfall or any other work in the stream channel other than a water diversion, you must contact the Department and obtain a Stream Channel Alteration permit prior to the start of construction.
- l. Use of water under this permit shall be non-consumptive.

Witness my hand this 30th day of April, 1985.


Chief, Operations Bureau