

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9241

Exam Date: 8/13/2007

1. Current Owner: GARY A SPENCE
2020 S MELLECK RD
POST FALLS ID 83854
(208)773-5317

And

ANNE A SPENCE
2020 S MELLECK RD
POST FALLS ID 83854
(208)773-5317

2. Accompanied by: GARY SPENCE

Phone No: SAME AS ABOVE

Address: SAME AS ABOVE

Relationship to Permit Holder: SELF

3. SOURCE

UNNAMED STREAM

TRIBUTARY

SPOKANE RIVER

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

UNNAMED STREAM

L2 NW1/4SW1/4

Sec. 15, Twp 50N, Rge 05W, B.M.

KOOTENAI County

Method of Determination: GPS

2.

PLACE OF USE: POWER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	05W	15										X							
												L 2							

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
50N	05W	15										X							
												L 2							

PLACE OF USE: POWER STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
50N	05W	15	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
												X							
												L 2							

PLACE OF USE: DOMESTIC STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
50N	05W	15	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
												X							
												L 2							

Method of Determination:

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. 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 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements:

Power Low	Power Med	Power High	Domestic
3gpm	5gal in 15sec	5gal in 13sec	3 gal in 10sec

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method:

Power Low	Power Med	Power high	Domestic
3gpm	20gpm	23gpm	18gpm
0.01 cfs	0.04 cfs	0.06 cfs	0.04 cfs

F. 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:

Power	Domestic	Storage	
0.06 cfs	.6 home	.1 AF	43.4
43.4 AF	.6 IRR		1.2
	1.2		.1
			44.7 AF total

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM USES WATER FROM AN UNNAMED STREAM FOR DOMESTIC AND HYDROPOWER. THE HYDRO PLANT CAN RUN ON 3 DIFFERENT SETTINGS. THE LOW SETTING RUNS AT 3 GPM. THE MEDIUM SETTING RUNS AT 20 GPM. THE HIGH SETTING RUNS AT 23 GPM. THE STORAGE IS .1 AF IN SIZE AND JUST USED TO POOL THE WATER BEFORE IT GETS DIVERTED. A DOMESTIC USE MEASUREMENT OF 4 GALLONS IN 14 SECONDS WAS TAKEN DURING THE FIELD EXAM.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
POWER	01/01 to 12/31	0.060 CFS	43.40 AF
DOMESTIC	01/01 to 12/31	0.040 CFS	1.20 AF
POWER STORAGE	01/01 to 12/31		0.10 AF
DOMESTIC STORAGE	01/01 to 12/31		0.10 AF
<u>Totals:</u>		0.100 CFS	44.70 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name W. H. S. L. Date 10-3-07
 Reviewer Chadwick Date 10/4/7

95-9241



-  GCDB50N05W GCDB
-  Right POD
-  Pou.shp
-  Kootenai taxlots





DOMESTIC
MEASUREMENT



DOMESTIC PLACE OF USE



HYDRO POWER PIPE



PLANT RUNNING AT 23
GPM



POINT OF DIVERSION



POWER PLANT

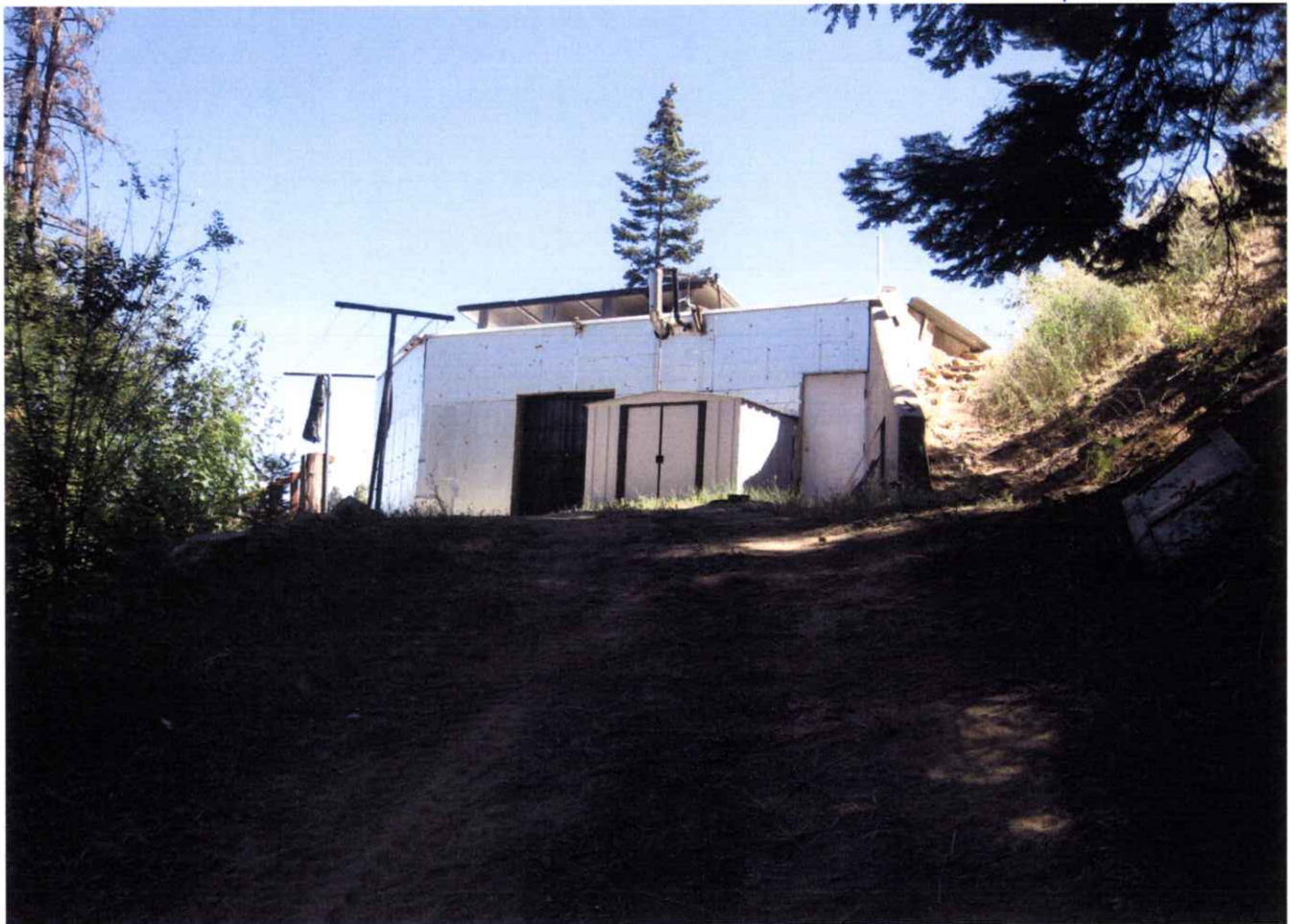


TYPE OF POWER PLANT
AND PRESSURE

95-9241



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