

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9366

Exam Date: 4/9/2008

1. Current Owner: KOOTENAI COUNTY WATER DIST NO 1
5866 E SUNNYSIDE RD
COEUR D ALENE ID 83814
(208)667-0340

2. Accompanied by: **John Shields**

Phone No: **Operator**, Same

Address: Shrine

Relationship to Permit Holder: Operator

- ### 3. SOURCE

COEUR D'ALENE LAKE

TRIBUTARY

SPOKANE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use:
2. Other water rights with the same point of diversion:

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

COEUR D'ALENE LAKE L1 NW1/4SW1/4 Sec. 28, Twp 50N, Rge 03W, B.M. KOOTENAI County

Method of Determination: **GPS N 47°38.814 W 116°43.271**

- 2.

PLACE OF USE: MUNICIPAL

[illegible]

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.

Well or Diversion

<u>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>
GPS/	4/2	40	883970	Pecilos	406PM @ 3460 RPM
GPS/	4/2	40	8839870	Pecilos	406PM @ 3460 RPM

*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: *See Photo of Pump Tag*

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS			Pump 1&2			
WATER RIGHT No.			95-9366			
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	40	315.6462585	0.8	200	50
Q =	0.894 cfs 401.1 gpm					

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: **Municipal has no volume.**

G. NARRATIVE/REMARKS/COMMENTS This water right has two pumps at POD. Both pumps are the same size (40hp) and at the same location on the lake to supply this system with lake water.

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>
MUNICIPAL	01/01 to 12/31	0.660 CFS
<u>Totals:</u>		0.660 CFS

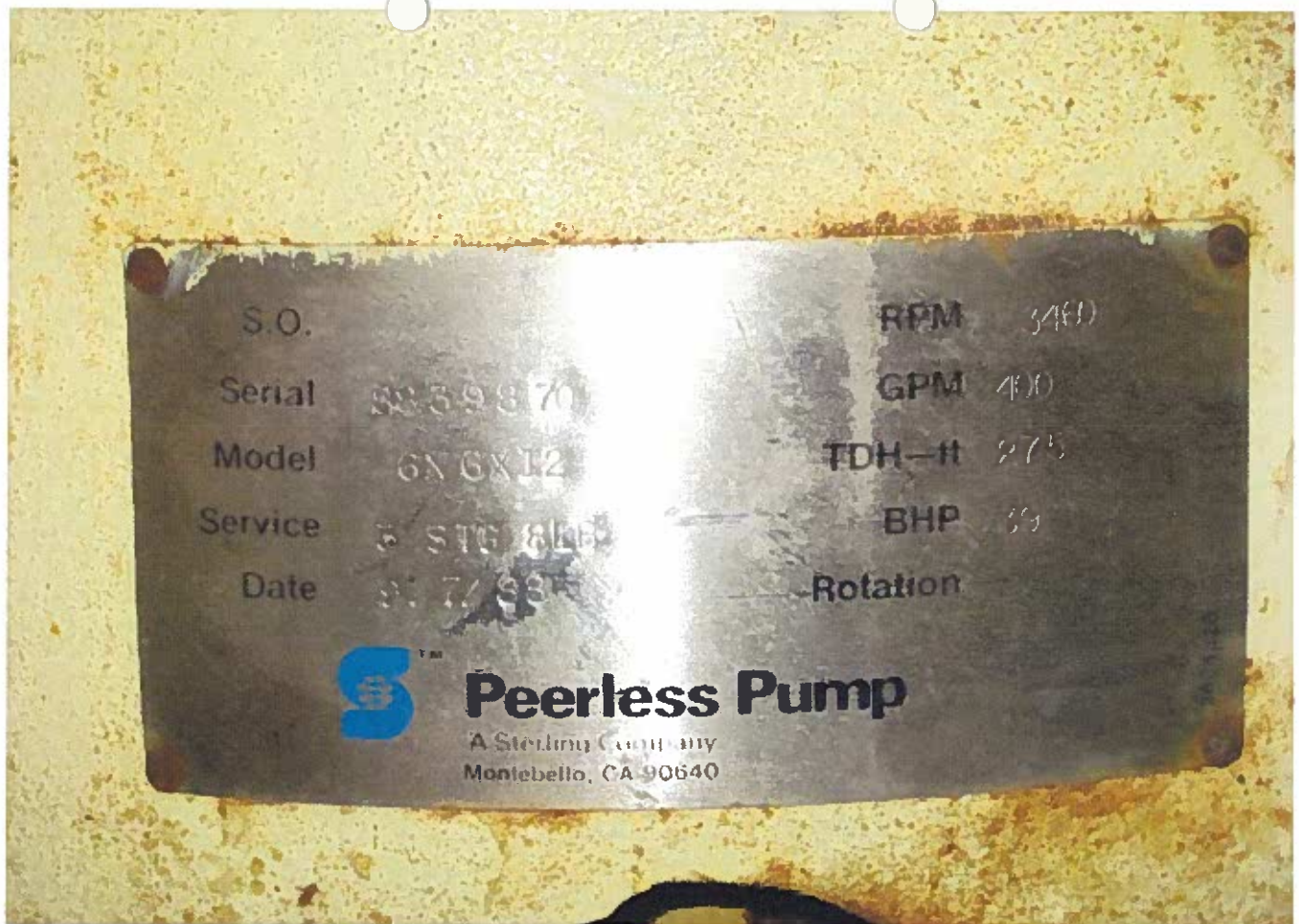
2. Recommended Amendments

☐ 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 Eric J. Dwyer Date 4-14-2008
 Reviewer [Signature] Date 4/25/8



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Pump tag

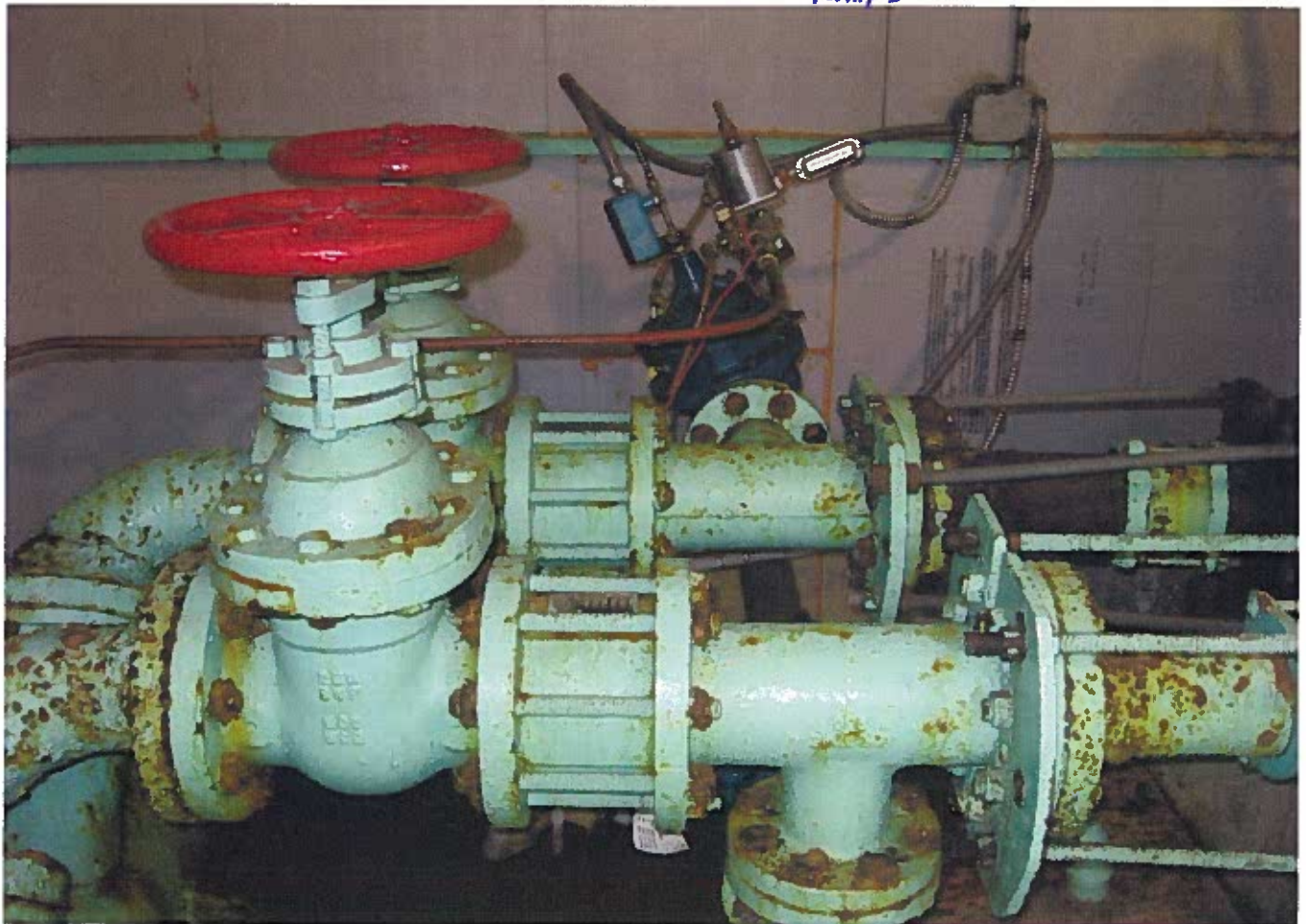


70D



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Pumps



Tank



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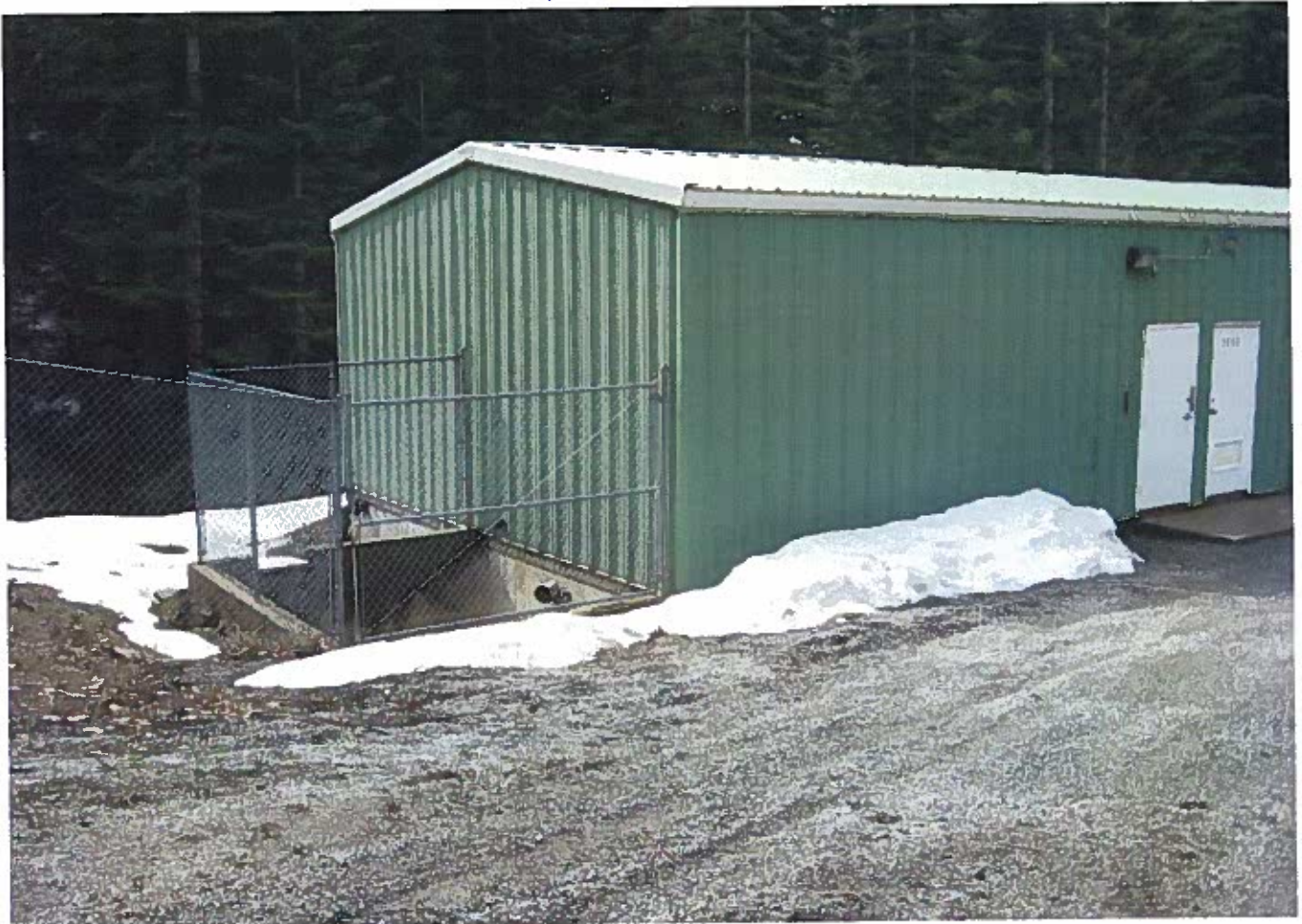


Pod



95-9366

POD



Think under this shop.