

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-16654

Exam Date: 6/1/2016

1. Current Owner:
UPPER COLUMBIA CORP OF SEVENTH DAY ADVENTISTS PO BOX 19039 SPOKANE WA 99219-9039
(208)772-3484

2. Accompanied by: Bruce Christensen
Phone No: 208-772-3484
Address: 17415 E Hayden Lake Rd. Hayden ID 83835
Relationship to Permit Holder: Manager

3. SOURCE: GROUND WATER**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 SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW¼SE¼ Sec. 11, Twp 51N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 46.533, 116° 39.803 (A0015443)

2.

PLACE OF USE: INDUSTRIAL

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
51N	03W	11															X	X	

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
51N	03W	11															0.6	0.2	.8

Total Acres: 0.8

Method of Determination: GPS and maps.

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.

 X Aerial Photo Attached (required for irrigation of 10+ acres).

 X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0022122					

*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

2. Measurements: 5 GALLON BUCKET TEST. 5 GALLONS IN 13 SECONDS IS EQUAL TO 23 GPM OR 0.05 CFS

E. FLOW CALCULATIONS

Measured Method:

 Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.8 \text{ AC} \times 3 \text{ AF} = 2.4 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 246 \times 1.9835 = 14.6 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 2.4 \text{ AF}$$

2. Volume Calculations for Other Uses: APPLICANT SAID INDUSTRIAL USE WAS 500 GALLONS PER WEEK FOR USE FROM MAY 1 TO OCTOBER 31. $500 \text{ GAL} \times 26 \text{ WEEKS} = 13,000 \text{ GAL} / 325,850 \text{ GAL/AF} = 0.1 \text{ AF}$

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM SHOWED APPLICANT HAD WELL THAT SERVED WATER FOR WASTE WATER TREATMENT FACILITY. WATER WAS USED FOR CHLORINATION, WASHING MACHINE, AND BOAT WASHING AREA. APPLICANT SAID WEEKLY USE WAS 500 GALLONS FROM MAY 1 TO OCTOBER 31. 5 GALLON BUCKET TEST WAS PERFORMED ON WELL AND FILLED BUCKET IN 13 SECONDS WHICH IS EQUAL TO 23 GPM OR 0.05 CFS. IRRIGATION WAS FROM HOSE AND USED TO GET GRASS GROWING ON BERM AROUND WATER TREATMENT POND. UPON REVIEW IN OFFICE, IT WAS DETERMINED THAT AMENDMENT WOULD HAVE TO BE SENT TO CHANGE THE POD TO PROPER QQ IN SWSE, ADD INDUSTRIAL USE TO SWSE, AND MOVE 0.2 ACRES OF IRRIGATION TO SESE.

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>
IRRIGATION	03/15 to 11/15	0.03 CFS	2.4 AF
INDUSTRIAL	01/01 to 12/31	0.03 CFS	0.1 AF
	<u>Totals:</u>	0.050 CFS	2.50 AF

2. Recommended Amendments

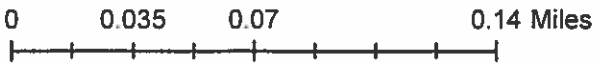
☒ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

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

I. AUTHENTICATION

Field Examiner's Name Adam Fendrick Date 7-18-2016
 Reviewer Morgan Case Date 7/10/2016

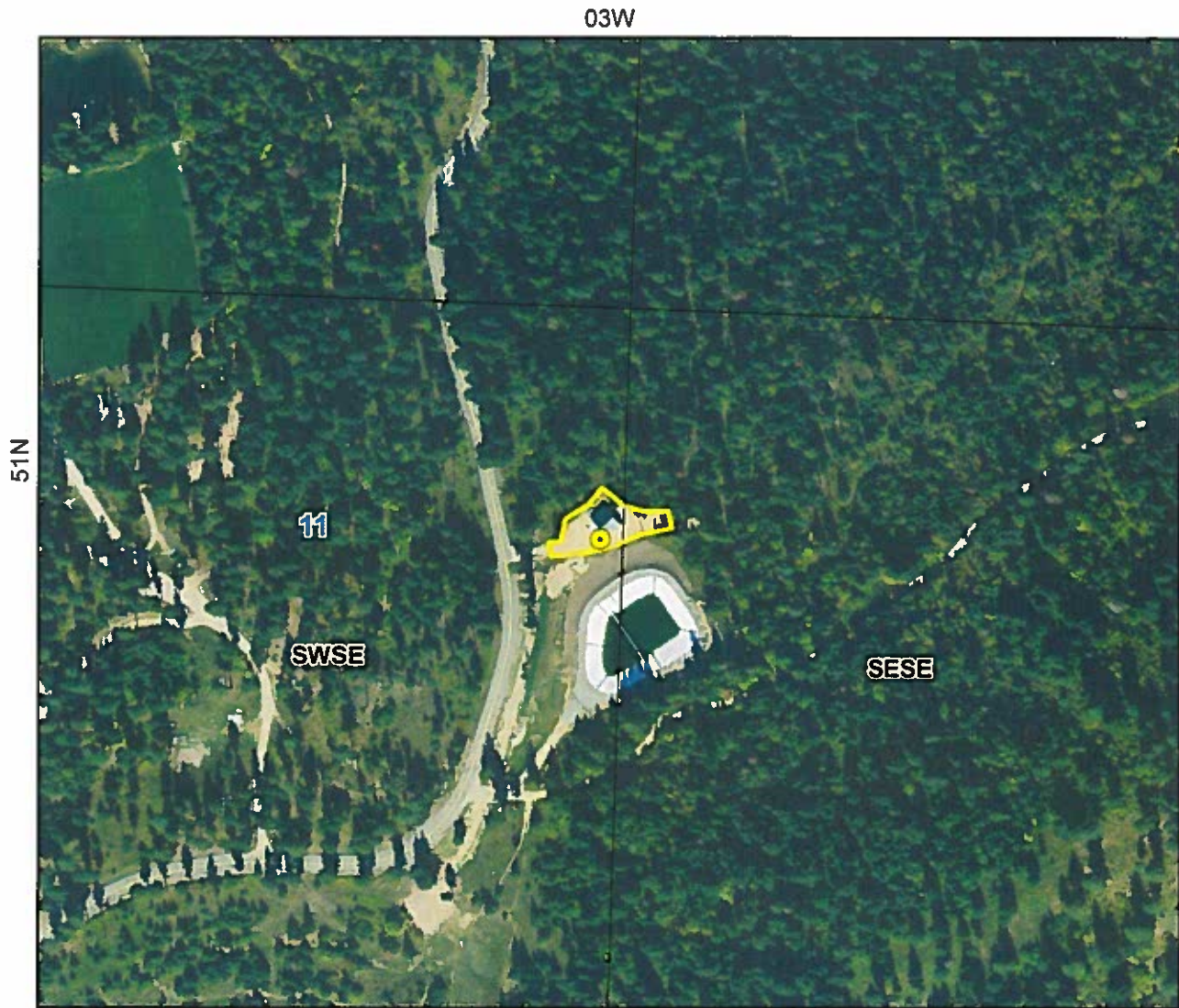
State of Idaho
Department of Water Resources
Water Right License
95-16654



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections



State of Idaho
Department of Water Resources
Water Right License
95-16654



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.035 0.07 0.14 Miles





95-16654



95-16654



95-1L654