

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 35-13886

Exam Date: 10/15/2010

1. Current Owner: PACIFICORP DBA ROCKY MOUNTAIN POWER
1407 W NORTH TEMPLE #110
SALT LAKE CITY ID 84116

2. Accompanied by: *None*

Phone No:

Address:

Relationship to Permit Holder:

3. **SOURCE****TRIBUTARY**

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 SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER

L1 NW1/4NW1/4

Sec. 7, Twp 01N, Rge 37E, B.M.

BONNEVILLE County

Method of Determination:

GPS

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
01N	37E	7	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
								X											
								L1											

POD : Pon on the corner of 65th S ; 65th W.

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</u> <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</u> <u>Size</u>
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D0048747

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

D. FLOW MEASUREMENTS

1.

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

0.04 cfs

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

IDaho Code 42-111; 1(B): 0.04 cfs, 2500 gpd Limitation

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:

Domestic use is for irrigation of up to 0.5 Acres of Landscape around power station

$$0.5 \text{ Acres} \times \left(915 \text{ mm} \times \frac{1 \text{ ft}}{304.8 \text{ mm}} \right) = 1.5 \text{ AF} \quad \text{Using the smaller of the two calcs.}$$

1.5 AF

$$2500 \text{ gpd} \times 214 \text{ Days} = 535,000 \text{ gallons}$$

$$\frac{535,000 \text{ gallons}}{325,850 \text{ gallons/AF}} = 1.6 \text{ AF}$$

G. **NARRATIVE/REMARKS/COMMENTS** Appears to be a shift in Aerial photography. Power is ~~not~~ in the NW corner of 37E 51C 7
Annual Volume for grass: trees around power plant is based on the Crop Irrigation Requirement for grass. Using the Kettle Butte Agreement station.
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>
DOMESTIC	04/01 to 10/31	0.040 CFS	1.50 AF
<u>Totals:</u>		0.040 CFS	1.50 AF

2. Recommended Amendments

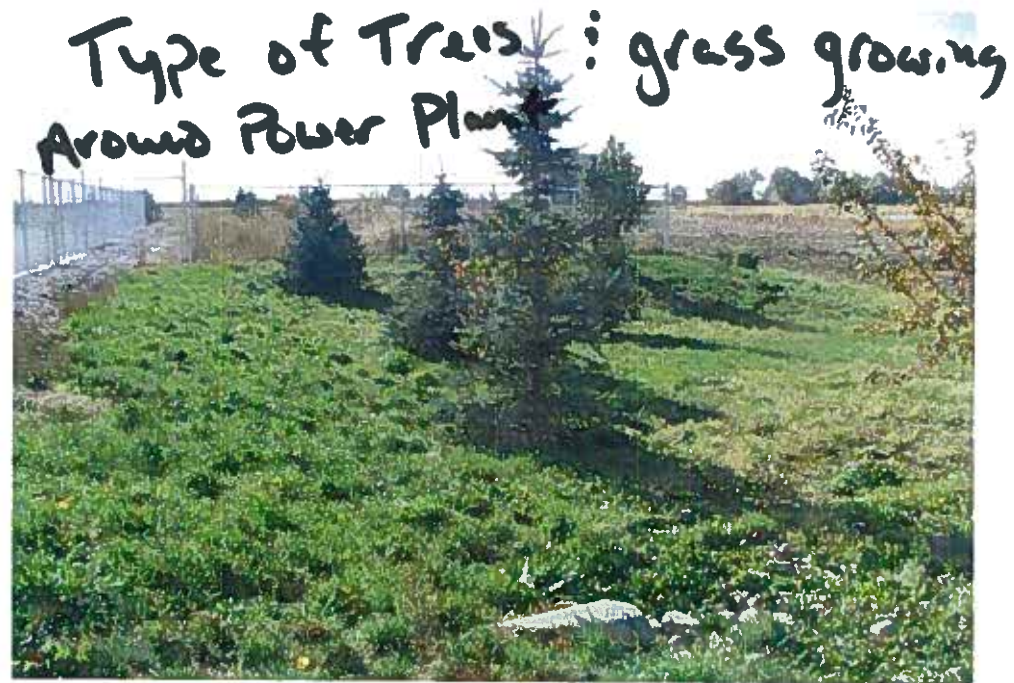
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

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

I. AUTHENTICATION

Field Examiner's Name Blake Jordan Date 10/15/2010

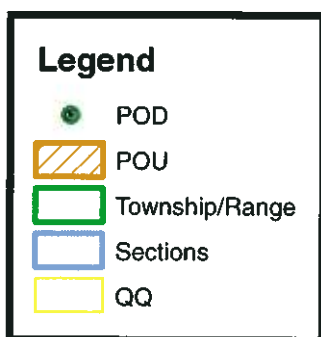
Reviewer _____ Date _____



Hunter Sprinklers (rotaries)



2009 Aerial Photography



Water Right(s):
35-13886



0 0.0125 0.025 0.05 Miles



1 inch = 0.04 miles

ET_{Idaho} 2009: Evapotranspiration and Consumptive Irrigation Water Requirements for Idaho

Please send suggestions for improving this site to robison@kimberly.uidaho.edu Copyright 2010, University of Idaho.

Kettle Butte (AgriMet --KTBI)

Statistics based on thirty

For a different land cover or crop click on the above link.

You can highlight this table and copy via the clipboard to a Microsoft Excel or OpenOffice spreadsheet to plot or otherwise work with this data.

Grass - Turf (lawns) - Irrigated														
Precipitation Deficit (Click here for a graph)														
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Growing Season ^a	Non Growing Season ^b
Mean	mm/day												mm	
Monthly ^c	0.08	0.08	0.12	0.56	3.62	5.47	7.02	6.89	4.40	1.89	0.04	0.18	915	-8
15-Day Moving Average ^d	0.08	0.08	0.09	0.46	3.75	5.48	7.08	6.97	4.33	2.06	0.01	0.15		
7-Day Moving Average ^e	0.09	0.09	0.10	0.49	3.69	5.41	7.02	6.98	4.31	2.00	0.02	0.16		
3-Day Moving Average ^f	0.08	0.08	0.11	0.52	3.63	5.45	7.00	6.92	4.39	1.91	0.04	0.17		
Standard Deviation	mm/day												mm	
Monthly	0.17	0.14	0.23	0.83	2.24	1.37	1.44	1.25	0.63	1.74	0.26	0.19	143	14
15-Day Moving Average	0.17	0.18	0.26	0.77	1.81	1.53	1.09	1.10	1.23	1.43	0.29	0.19		
7-Day Moving Average	0.23	0.33	0.37	1.05	2.24	1.98	1.35	1.32	1.80	1.76	0.45	0.29		
3-Day Moving Average	0.35	0.48	0.56	1.47	2.82	2.53	1.84	1.84	2.52	2.20	0.66	0.49		
20% Exceedance	mm/day												mm	
Monthly	0.00	0.02	0.19	0.66	4.93	6.58	7.31	7.46	4.78	2.56	0.09	0.10	1084	9
15-Day Moving Average	0.05	0.10	0.49	1.05	5.73	7.72	8.47	8.35	5.97	3.69	0.17	0.04		
7-Day Moving Average	0.10	0.21	0.61	1.52	6.97	8.19	9.07	8.69	7.04	4.62	0.37	0.10		
3-Day Moving														