

## License Review for 67-7685

**Agent:** Sandy Hemenway

**Date:** 2/9/2009

**Field Exam Date:** 1/29/2009      **Accompanied by:** Laurie Warren  
**Phone Conversation:** 2/5/2009      **With:** Bruce Warren  
**Name:** Bruce G & Laurie L. Warren  
**Mailing Address:** PO Box 699, Council, ID 83612  
**Physical Address:** 1877 Hwy 95, Council, ID 83612  
**Phone #:** (208) 253-1119, cell: (208) 741-1922  
**Directions:** 1/2 mile south of Council; down the hill from Mesa, past Jackson Ck road, north of mile post #134, 1st drive-way on the west side, and stay left on road  
**Source:** Weiser River      **POD ID#** 619674  
**Tributary:** Snake River  
**Pump:** Berkley

Serial#/Motor#: No tag or serial number  
HP: 30  
Lift: 5'  
psi: 125  
Size of Discharge: 6"      reduces down to 4" to handline

**Describe System:** Berkley 30 Hp, 5' lift, 125 psi, 6" discharge reducing to 4" handline and 34 rainbird R30 sprinklers, some 5gpm flow control nozzles, other with mixture of 1/8", 9/64", and 5/32" nozzles. Move handline around to irrigate different fields.

**Type of Irrigation:** Sprinkler (handline) above the ground

Size pipe: 4"  
Nozzle size: (34)-rainbird R30 sprinklers to irrigate 47 acres, with some 5gpm flow control nozzles, others w/mixture of 1/8", 9/64" or 5/32" nozzle (same system as used with 67-7726; info from F.E)

\*\*\*At time of field inspection, handline was stacked next to barn, with snow surrounding it so I could not measure the length of the sections.

**# acres irrigated:** application for permit is for 50 acres; field inspection for same property irrigated shows 47 acres irrigated with the same handline system (different source w/67-7726) 1/29/2009 field inspection confirmed same acreage irrigated.

**Other Uses:** Stockwater (train and board 20 - 50 mules, raise dogs and birds)

**Stockwater:**

Stock tanks: (5)-100 gallon stock tanks throughout the fields and dry lot pens  
 # and type: 50 mules (train and board)  
 dogs 15  
 birds 200 misc. types/swans/geese

**Supplemental Water:****Other Water Rights Used:**

67-7726 groundwater source (can be tied into same system)  
 67-11106 unnamed stream (Stockwater)  
 67-11109 unnamed stream (Stockwater)  
 67-11102 Groundwater (domestic use)

**Overlaps POU:****Additional Information:**

67-7726 (groundwater source)  
 No shares are owned from the Lost Valley Reservoir Co.  
 Shapefile is the same as 67-7726 (same acres irrigated, only  
 it has a different source). POUID# 691823

**Beneficial Use Required By:**

5/1/1989

**Proof of Beneficial Use Submitted:**

3/2/1989 (Achieved Due Date)

**Fees Submitted:**

3/2/1989 \$100 receipt # C005627  
 3/8/1984 \$45 receipt # 32571 Total covers: 1.01 - 2.0cfs,  
 101 - 200af

**Maximum Allowed:**

47 acres @ 0.02 cfs/acre = 0.94 cfs

**Theoretical System Capacity:** $(8.8) \times (30) \times (0.70) / (2.31 \times 125) + 5 = 184.8 / 293.75 = 0.63 \text{ cfs}$ **Maximum Capacity of 4" handline pipe:**

0.44 cfs

**Sprinkler Conversion off chart:**

34 heads X 5 gpm/head = 170 gpm = 0.38 cfs  
 34 heads X 5.264 gpm/head = 179 gpm = 0.40 cfs  
 \*\*\*Notes in previous field inspection (67-7726) did not include the misc. heads,  
 so the 0.44 cfs maximum capacity of the 4" handline.

STOCK = mules = 26 - 50 head

0.02 cfs

Dogs =

0.01cfs; 10 lb dog = 1 qt/day; 40 lb dog = 1 gallon (info from Emergency Checklist)

birds =

0.01 cfs

Total:

0.02 cfs

**Volume Calculation for Irrigation:**

Vir = (47 acres) X 4.0 = 188.0af  
 Vdr = (0.44) X (247 days irrigation season) X 1.9835 = 215.6 af  
 V = 188.0 af

**Volume Calculation for Stockwater:**

Vir = {50 #head x 12-gallons per day} x 365days per year / 325,859 = 0.67af  
 Vdr = 0.02 cfs X 365 days X 1.9835 = 14.5af  
 V = 0.67af = 0.7 af

Season of Use time Period for IDWR standard: 3/15 - 11/15 for irrigation (changed season of use to reflect standard)