

RECEIVED**OCT 05 2011**DEPT. OF WATER RESOURCES
SOUTHERN REGIONSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of IdahoIdent. No. 37-226671. Name of applicant(s) Valley Entertainment Group Inc Phone 208-788-1051Name connector (check one): ☐ and ☐ or ☐ and/orMailing address: 126 S Main Street Suite B9 City HaileyState Idaho Zip 83333 Email: _____2. Source of water supply Ground Water which is a tributary of _____

3. Location of point(s) of diversion:

Twsp	Rge	Sec	Govt Lot	¼	¼	¼	County	Source	Local name or tag #
02N	14E	19			SW	SE	Camas	Ground Water	

4. Water will be used for the following purposes:

Amount 0.09/ for Domestic purposes from 1/01 to 12/31 (both dates inclusive)
(cfs or acre-feet per year)Amount 0.09/ for Commercial purposes from 1/01 to 12/31 (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)5. Total quantity to be appropriated is (a) 0.09 cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. 1 well with a 2 hp motor. Water is pumped into a 10,000 gal storage tank and then gravity pressurized into the lodge and facilities.

b. Height of storage dam _____ feet; active reservoir capacity _____ acre-feet; total reservoir capacity _____ acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.

For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ No

c. Proposed well diameter is _____ inches; proposed depth of well is _____ feet.

d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ Noe. If well is already drilled, when? 7/25/96; drilling firm Wood River Drilling Company;
Well was drilled for (well owner) No; Drilling Permit No. 37-96-S-0094-00D.

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. _____

d. Domestic; show number of households _____

e. Other; describe fully. Culinary use at the ski area, including 14 toilets, 5 urinals, 9 sinks, 1 hand sink, 2 deep sinks and 1 mop sink.

8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
02N	14E	30	X																

Total number of acres to be irrigated: _____

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? None

10. a. Who owns the property at the point of diversion? Valley Entertainment Group Inc
- b. Who owns the land to be irrigated or place of use? Valley Entertainment Group Inc
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: _____

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. This permit will be non-consumptive due to the onsite septic system. The proposed 0.09 cfs or 40.0 gpm is the max diversion that could occur to fill the storage tank. High water demand will be during the Winter ski season and low water demand will be during the Summer months.

12. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year).
13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

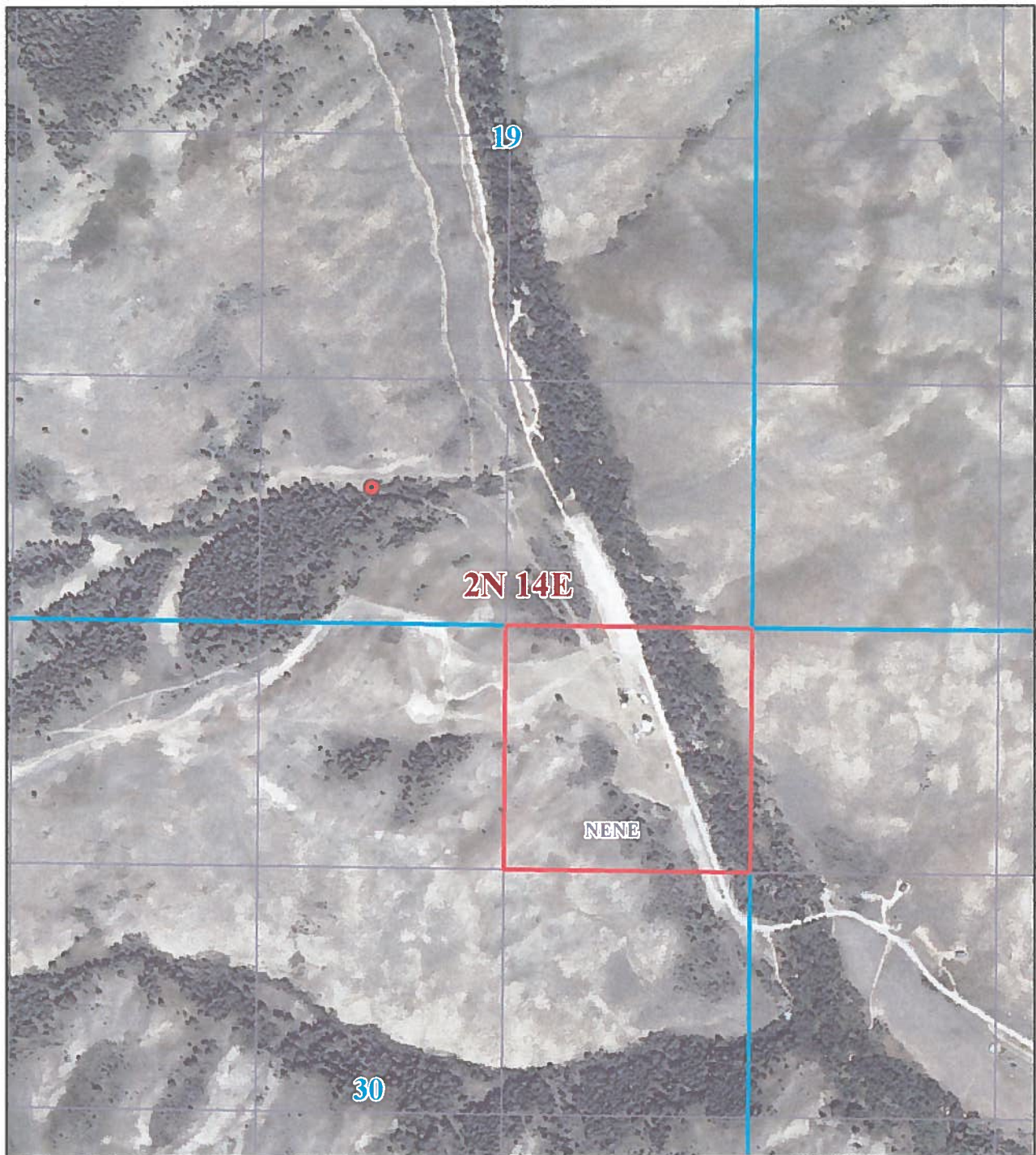
Louise Weber (Director)
 Signature of Applicant
Louise Weber
 Print Name (and title, if applicable)

Shelly M. Scott
 Signature of Applicant
Shelly M. Scott
 Print Name (and title, if applicable)

For Department Use:

Received by DB Date 10.5.2011 Time 4:40pm Preliminary check by A. SKINNER
 Fee \$ 100.00 Receipted by A. SKINNER Receipt No. 5032172 Date 10/7/2011

(FEE RECEIVED 10/5/2011)
 2



0 315 630 1,260 Feet

**VALLEY ENTERTAINMENT GROUP INC
APPLICATION FOR PERMIT 2011
NAIP 2009 AERIAL**

Legend

-  Permit Point of Diversion
-  Permit Place of Use
-  twnshp
-  Sections
-  QQ lines



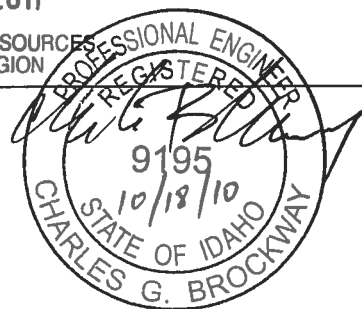


RECEIVED

OCT 05 2011

Technical Memorandum

DEPT. OF WATER RESOURCES
SOUTHERN REGION



DATE: October 14, 2010
TO: Shelly Scott, Rick Collingwood
FROM: Charles G. Brockway, P.E.
SUBJECT: Soldier Mountain water system hydraulic evaluation and recommendations

Basic assumptions

The number of skier visits has averaged 235 per day for the last four seasons. It is estimated that 350 skiers and 50 employees will be present on the maximum day.

Per-capita daily demands:

7 gpd per skier visit based on 99% exceedance level for actual water usage data collected at a similar ski area (average = 3.6 gpcd, std. dev. = 1.2 gpcd).

25 gpd per employee, estimated from IDWR Field Examiner's Handbook

Given the nature of water usage at a ski resort, the hourly demand is likely to have a sharp peak centered on the noon hour as skiers break for lunch. The peak hour : max day factor was assumed to be 9, which should be conservatively high. An hourly distribution of demand was developed assuming peak period during hours 11, 12, and 13 (see attached spreadsheet).

Existing mainlines consist of 4" C-900 pipe essentially as shown on the 1996 water system drawings.

Findings

Based on the above assumptions, the estimated domestic / culinary water demands are as follows:

Maximum daily	3,700 gpd or 2.6 gpm
Peak hourly	33,300 gpd or 23.1 gpm

Based on information from Randy, it appears that the well yield performance has decreased since the drilling of the well. At the time of drilling, the static water level in the well was 13 feet and the yield was reported by the driller as 50 gpm with a drawdown of 59 feet (see attached well drilling record). The well pump was replaced on approximately October 8, 2010 by Wood River Drilling & Pump. The old pump was a Sta-Rite 15P4E02T which was

malfunctioning. The new pump is a Sta-Rite 30 gpm 2HP unit. Using the new pump, the pump installer conducted a 2-hour pumping test of the well and measured the discharge as 30 gpm under a pressure of 45 psi. Prior to the test, the static water level was 18 feet below ground. The pumping level in the well stabilized at 42 feet below ground (drawdown of 24 feet). Based on this test data, the well and pump are adequate to supply the peak hourly demand for the facility.

The storage tank on site is a Xerxes 8-foot diameter x 31-foot unit with a 10,000 gallon nominal capacity. Actual capacity is 9,816 gallons, and the active capacity between the overflow and outlet is about 8950 gallons. The recommended water surface elevation in the tank when full is 5949 feet. The minimum water surface elevation would then be approximately 5943 feet and the invert of the tank would be approximately 5942 feet (based on the datum of the 1995 plans). This would allow placement of the tank relatively close to the wellhead. If dictated by the topography, the tank could be situated up to 10 feet higher without overpressuring the lower end of the system.

In normal operation with the tank elevations described above, the well pump can deliver a maximum of 37 gpm to the tank, which significantly exceeds the estimated peak hourly demand. Thus, tank will not be drawn down to meet diurnal variability unless an extreme demand event occurs. The minimum pressure at the building complex will be 60.7 psi, and the minimum pressure at the well house will be 12.6 psi unless a pressure sustaining valve is provided (see below). The maximum pressure in the system will occur at the south stub-out. It is unknown whether this line extends to the end of the south parking area, but if it did the pressure would be 83 psi. These pressures are in line with a typical design target range of 50 to 80 psi. Refer to the attached schematic diagram.

Since the new pump has excess capacity, it would be beneficial to install a pressure sustaining valve to maintain 40 to 50 psi at the wellhouse. This will cause the pump to operate closer to its design point of 30 gpm, which should help extend the pump life. Downstream of the PSV, the pressure will be fixed by the level in the 10,000 gallon tank at 12.6 psi. The well pump operation should be governed by the water level in the tank. The pump should activate when the tank reaches roughly 90% of capacity to ensure that the tank is always as full as possible for fire protection purposes. With this operational configuration the existing pressure tanks would be superfluous and may be removed.

Downstream of the wellhouse, it is recommended that a dedicated 3-inch "raw water" line be installed to the tank and a separate 4-inch line from the tank to the system, with 10-foot separation between the two. This will allow for chlorination and contact time in the tank if required in the future. At the peak hourly demand of 23.1 gpm, contact time would be 268 minutes if the tank were at its lowest level, which is more than adequate.

Fire flow analysis

The state fire marshal has verified that the fire requirements are: 10,000 gallons of storage, 250 gpm delivery at 34 psi without power. These requirements do not strictly meet the fire code but are based on a compromise reached in December 2009 based on the primary goal of protecting the safety of occupants, rather than saving the structures.

It is assumed all fire demand occurs at the north end of the building complex (south end of the parking lot), which will be the lowest pressure point nearest the buildings.

The modeled pressure at the hydrant under this fire flow scenario will be 34.1 psi.

As noted above, the nominal 10,000-gallon tank has an actual capacity somewhat less than 10,000 gallons. Additional storage may be required to meet the fire requirements.

WATER DEMAND ESTIMATION

Soldier Mountain Ski Area

CGB 9/26/10

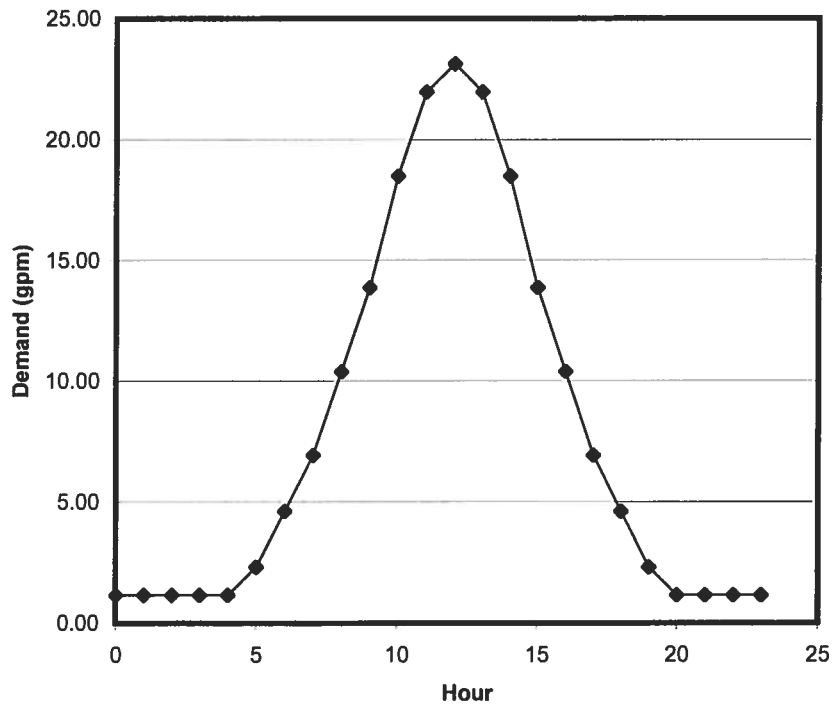
	No.	Per-capita (gpcd)	Total use (gpd)
Number of skiers	350	7	2450
Employees	50	25	1250
Other crew	0	10	0
Max day demand			3700 gpd = 2.57 gpm

Peak hour : max day factor 9
 Peak hour demand 33300 gpd = 23.1 gpm

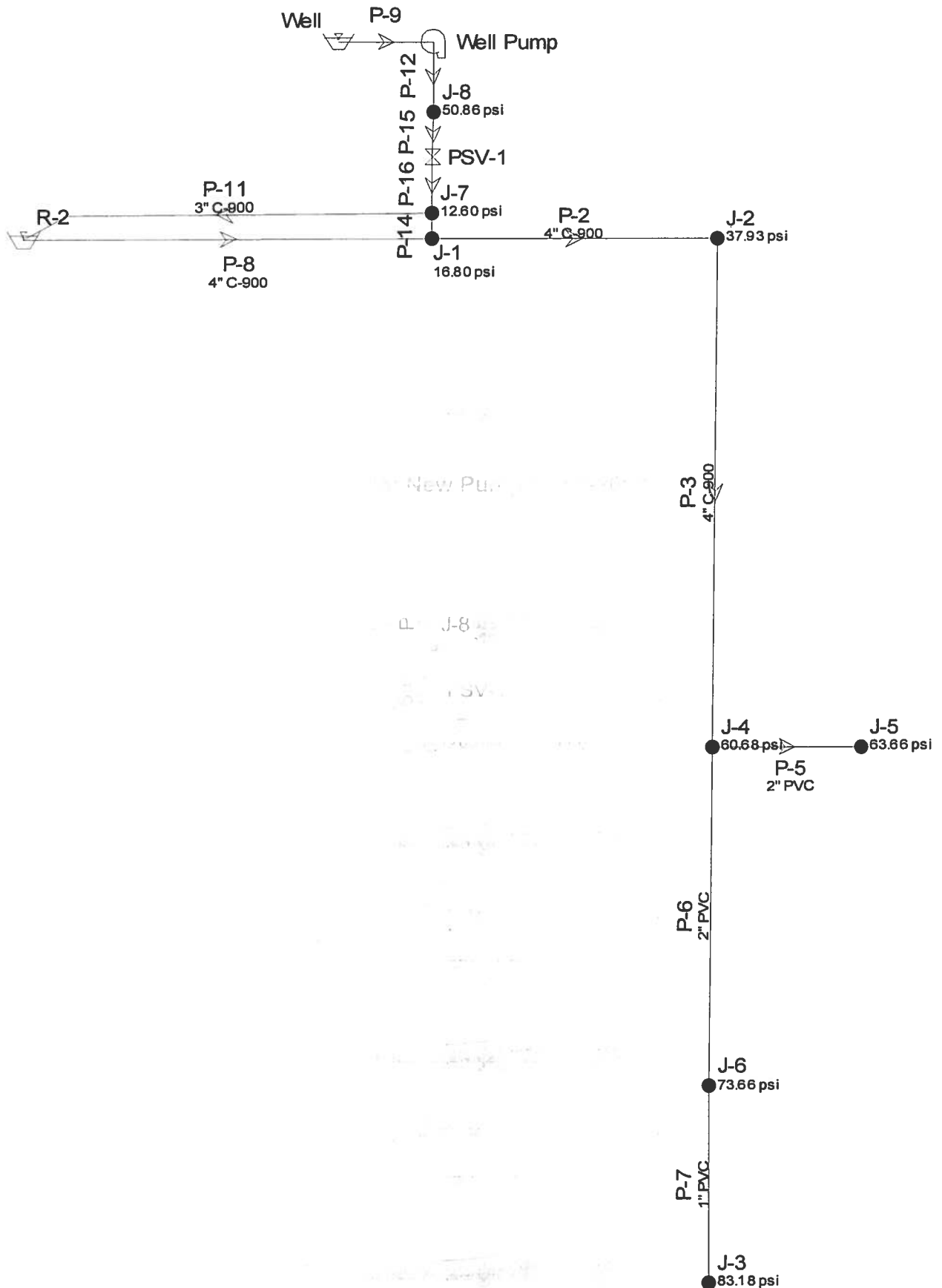
Maximum sustainable well output: 16.4 gpm = 23616 gpd

Assumed hourly distribution of demand:

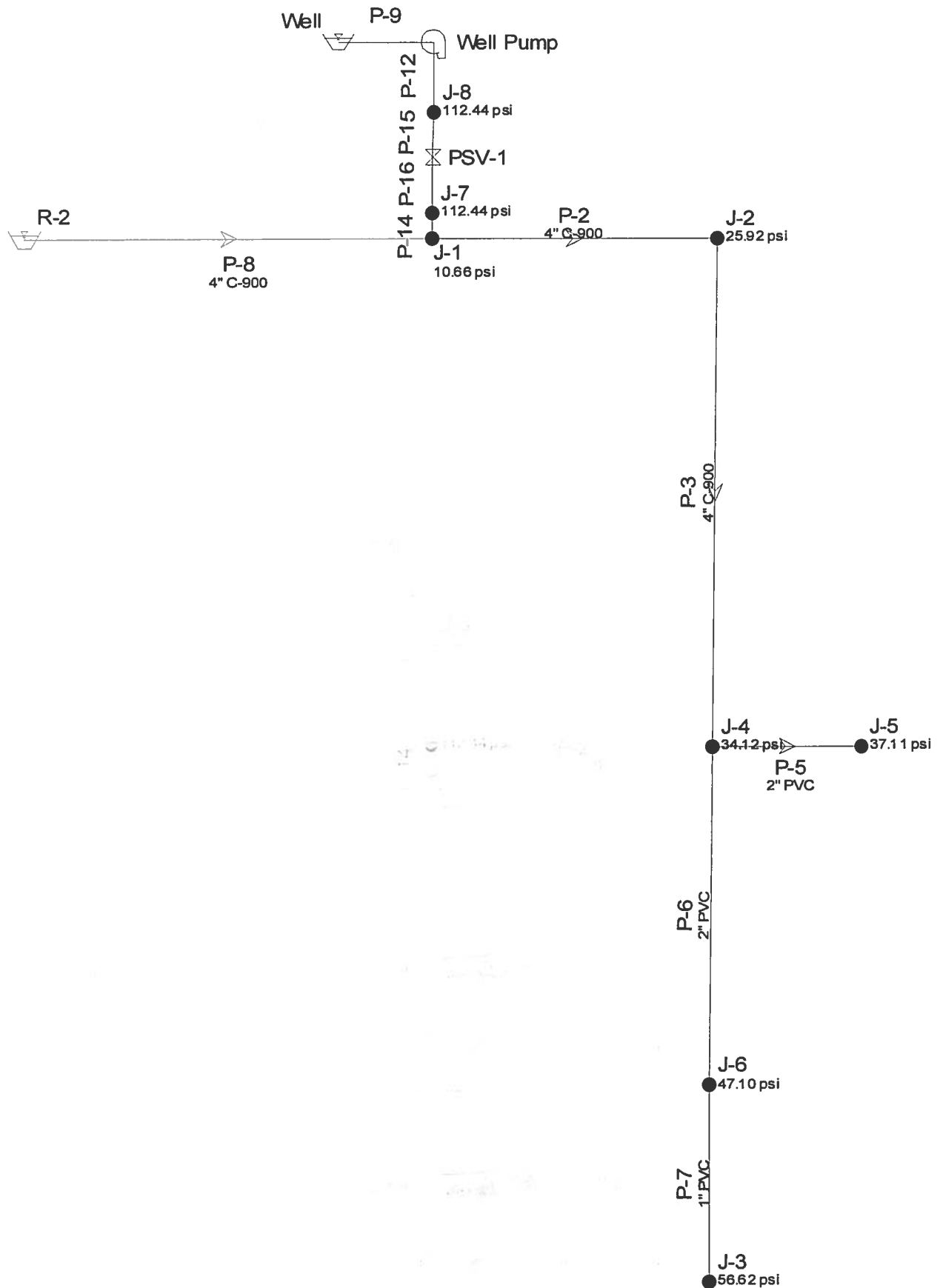
Hour	% of peak	gpm
0	0.05	1.16
1	0.05	1.16
2	0.05	1.16
3	0.05	1.16
4	0.05	1.16
5	0.1	2.31
6	0.2	4.63
7	0.3	6.94
8	0.45	10.41
9	0.6	13.88
10	0.8	18.50
11	0.95	21.97
12	1	23.13
13	0.95	21.97
14	0.8	18.50
15	0.6	13.88
16	0.45	10.41
17	0.3	6.94
18	0.2	4.63
19	0.1	2.31
20	0.05	1.16
21	0.05	1.16
22	0.05	1.16
23	0.05	1.16



Scenario: New Pump 10-13-2010



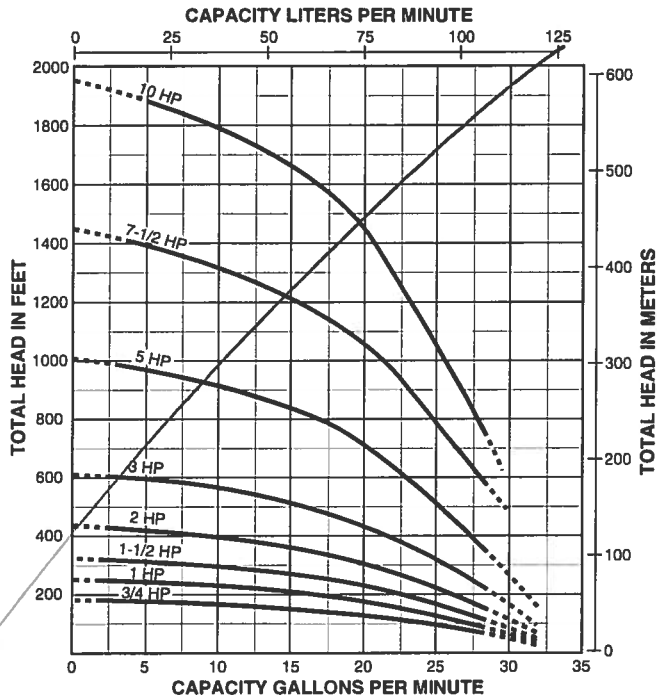
Scenario: Fire Flow



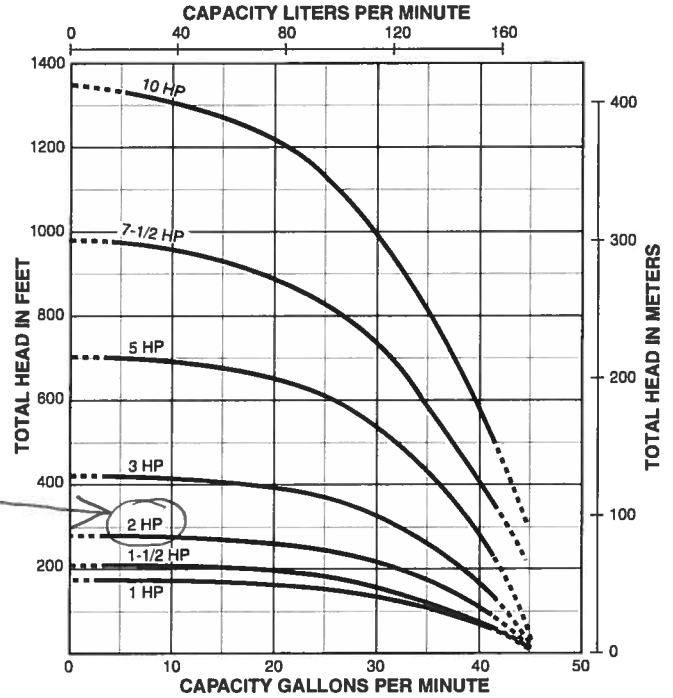


4" submersible pumps – 10, 15, 20, 30, and 50 gpm

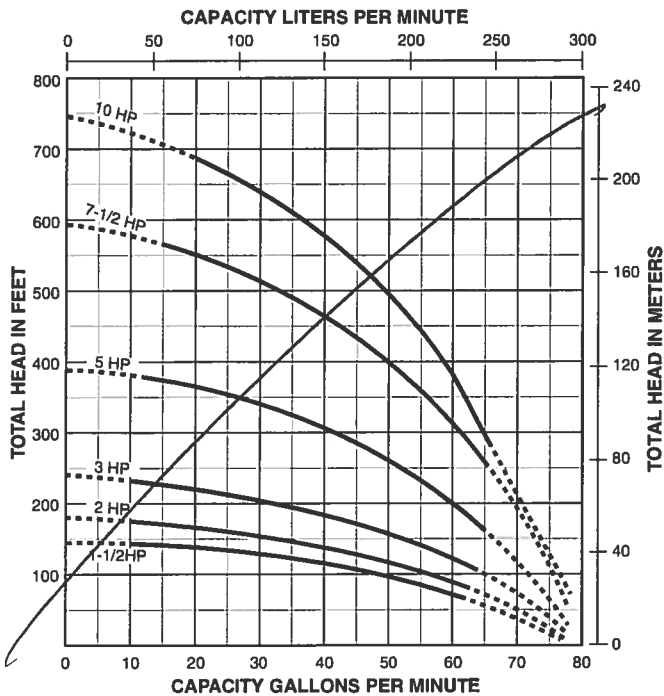
PUMP PERFORMANCE – 20 GPM



PUMP PERFORMANCE – 30 GPM



PUMP PERFORMANCE – 50 GPM

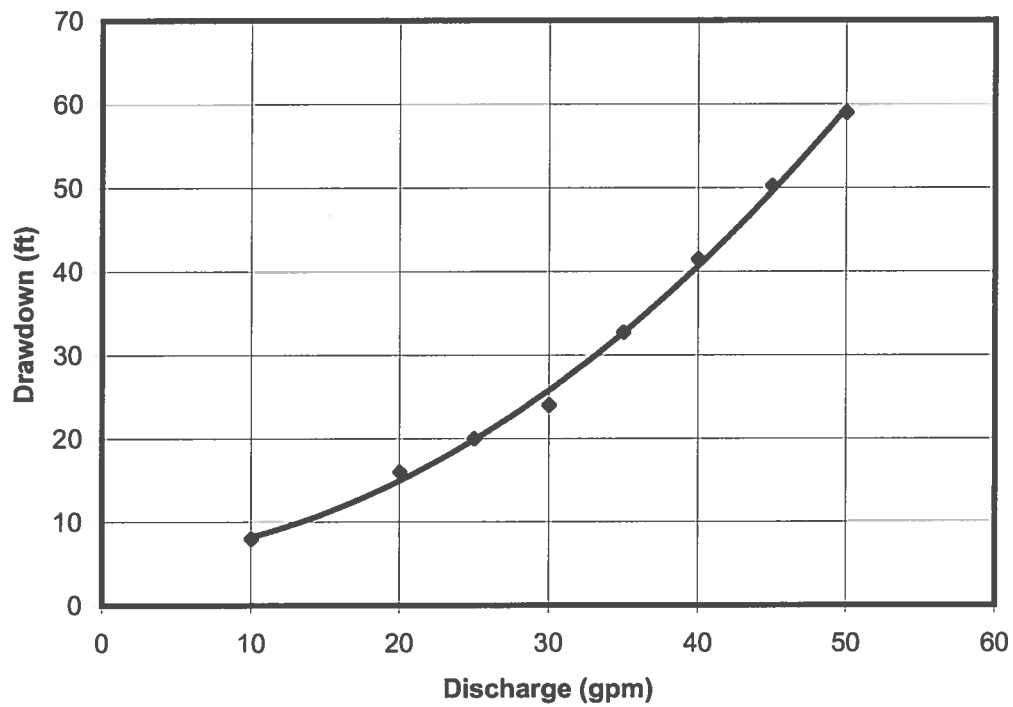


Soldier Mountain Water Supply Well

Test by Wood River Drilling - October 2010: SWL 18', 30 gpm, 24' drawdown, 2 hours

New pump installed: Sta-Rite 30gpm 2HP

Q gpm	Pump tdh	cfs	Drawdown ft	
10	276	0.022	8	
20	262	0.045	16	
25	245	0.056	20	
30	215	0.067	24	<-- Measured Oct 2010
35	174	0.078	32.75	
40	111	0.089	41.5	
45	20	0.100	50.25	
50		0.111	59	<-- Well log



Buffington, Denise

From: Buffington, Denise
Sent: Wednesday, November 09, 2011 3:17 PM
To: Camas Courier
Subject: LEGAL NOTICE
Attachments: Camas County - Cover Letter.docx; Camas County - Ads.docx

Attached please find one (1) legal notice being submitted for publication. Please contact me if you have any questions, or if you are not able to publish the ad on the dates requested.

Thank you in advance,

Denise Buffington
Administrative Assistant
Idaho Department of Water Resources
1341 Fillmore St, Ste 200
Twin Falls, Idaho 83301
(208) 736-3033
denise.buffington@idwr.idaho.gov

November 9, 2011

LEGAL NOTICE DEPARTMENT
CAMAS COURIER
PO BOX 339
FAIRFIELD, ID 83327

RE: Application For Permit No.(s): 37-22667

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before December 5, 2011. Your cooperation is appreciated.

Sincerely,

Denise Buffington
Administrative Assistant

Enclosure(s)

The following application(s) have been filed to appropriate the public waters of the State of Idaho:

37-22667

VALLEY ENTERTAINMENT GROUP INC

126 S MAIN ST STE B9

HAILEY, ID 83333

Point of Diversion SWSE S19 T02N R14E CAMAS County Source GROUND WATER Tributary

Use: COMMERCIAL 01/01 to 12/31 0.09 CFS

Use: DOMESTIC 01/01 to 12/31 0.09 CFS

Total Diversion: 0.09 CFS

Date Filed: 10/5/2011

Place Of Use: COMMERCIAL & DOMESTIC

T02N R14E S30 NENE

Application seeks to appropriate 0.09 cfs of groundwater for domestic and commercial uses (non consumptive culinary) associated with the Soldier Mountain Ski Lodge located approximately 9.75 miles north and 1.85 miles west of Fairfield. An existing well located near the lodge will serve as the point of diversion.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Southern Region office at (208) 736-3033 or for a full description of the right(s), please see www.idwr.idaho.gov/apps/ExtSearch/WRFiling.asp. Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Southern Region, 1341 Fillmore St, Suite 200, Twin Falls ID 83301 together with a protest fee of \$25.00 for each application on or before December 5, 2011. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Interim Director

Published on 11/16 & 11/23/2011



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 1341 Fillmore Street, Suite 200 • Twin Falls, Idaho 83301-3380
Phone: (208) 736-3033 • Fax: (208) 736-3037 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

November 9, 2011

US DEPT OF AGRICULTURE
FOREST SERVICE
FAIRFIELD RANGER DISTRICT
PO BOX 189
FAIRFIELD, ID 83327

Re: Water Right Application(s) 37-22667

Dear U.S. Forest Service:

Attached are copies of one or more applications that may be of interest to your agency. Please contact the applicant(s) if your agency has concerns about the application(s). It is not necessary to provide agency comments to the Idaho Department of Water Resources (IDWR), although your comments are welcome if you think IDWR would benefit from them.

If your agency desires to file a formal protest against approval of the application(s), a written protest along with the \$25.00 protest fee for each application protested must be received in this office by December 5, 2011.

Please contact this office at 736-3033 if you have any questions regarding the application(s), or you may visit our website www.idwr.idaho.gov.

Sincerely,

Denise Buffington
Administrative Assistant

Enclosure



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 1341 Fillmore Street, Suite 200 • Twin Falls, Idaho 83301-3380
Phone: (208) 736-3033 • Fax: (208) 736-3037 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

November 9, 2011

VALLEY ENTERTAINMENT GROUP INC
126 S MAIN ST STE B9
HAILEY, ID 83333

RE: Application For Permit No. 37-22667

Dear Applicant(s):

The Department of Water Resources has received your water right application. Please refer to the number referenced above in all future correspondence regarding this application.

A legal notice of the application has been prepared and is scheduled for publication in the **CAMAS COURIER on 11/16/2011 and 11/23/2011**. Protests to this application may be submitted for a period ending ten (10) days after the second publication (**December 5, 2011**).

If the application is protested, you will be sent a copy of each protest. All protests must be resolved before the application can be considered for approval. If the protest(s) cannot be resolved voluntarily, the Department will conduct a conference and/or hearing on the matter.

If the application is not protested, the Department will process your application and notify you of any action taken on the application. If your application is approved, the Department will send you a copy of the permit.

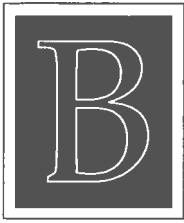
Please contact this office if you have any questions regarding the application.

Sincerely,

Denise Buffington
Administrative Assistant

cc:

BROCKWAY ENGINEERING PLLC
C/O GREG SULLIVAN
2016 N WASHINGTON ST STE 4
TWIN FALLS, ID 83301



BROCKWAY
ENGINEERING
P.L.L.C.

Hydraulics

Hydrology

Water Resources

RECEIVED

OCT 05 2011

DEPT. OF WATER RESOURCES
SOUTHERN REGION

October 5, 2011

Allan Merritt
Idaho Department of Water Resources
1341 Fillmore Street, Suite 200
Twin Falls, ID 83301-3380

Re: Valley Entertainment Group Inc

Dear Mr. Merritt:

Valley Entertainment Group Inc. is submitting an Application for Permit. The permit will be non-consumptive and will have a beneficial use of domestic and commercial. The permit will be utilized at the Soldier Mountain ski lodge in Camas County. The anticipated diversion amount is 0.09 cfs. The period of use will be 1/01 to 12/31 with an anticipated increase in water demand during the winter ski season.

The current water system is considered non-consumptive due to the onsite septic system for the ski lodge.

Please copy our office on all correspondence regarding this application.

Sincerely,

Greg Sullivan, M.S., E.I.T.

CHARLES E.
BROCKWAY,
PH.D., P.E.

CHARLES G.
BROCKWAY,
PH.D., P.E.

Cc: Shelly Scott
Enc: Check #10337 for 100.00, Aerial map of POU, Technical Memorandum

2016 NORTH
WASHINGTON
STREET • SUITE 4

TWIN FALLS,
IDAHO 83301

208•736•8543

FAX: 736•8506