

License Review for 47-7575

Agent: Sandy Hemenway

Date: 7/20/2009

Recommendation:

Heating 0.15 cfs, 13.9 af 1/1-12/31 (Based on calculations outlined in App. Process #23)

Calculation from square footage of home, and garage

Irrigation 3/15-11/15 (IDWR Standard season) 0.04 cfs (at 0.03 cfs/acre), 6.4 af

Domestic 1/1-12/31 for 0.02 cfs, 0.06 af D/1

Recreation 1/1-12/31 (potential to use pool year round) 0.05 cfs, 36.2 af

Calculation from square footage of pool and time to fill.

Diversion Capacity of 2.52 cfs taken from parent WR 47-7174 (measured via Cipolletti weir)

Maximum Diversion Rate of 0.22 cfs (entire Kienlen individual system measured 12/28/1982.

POU, POD, and Season of Use match that shown on the Permit.

Conditions on 5/2/1983 Order refer to drilling a well or modifications of the well. Per Chad Hersley on 7/20/2009, X4930/IDWR, conditions listed in the 5/2/1983 Order are covered in the current regulations. Anyone making modifications to a well, or drilling a well is required to obtain a permit, and upon completion have an inspection. For this reason, these conditions were not included on the License.

7/13/2009

Memo from Sandy Hemenway, phone conversation with Mary Kienlen (no shares owned from Twin Falls Canal Co.; no additional info on actual irrigation system, but the cost of the irrigation system is described in the copy of her Divorce Decree scanned in file)

7/13/2005

Memo from Corey Skinner describing the system, with calculations

6/24/2005

Repeat Field Exam Conducted, with calculations

10/1/1984

Permit Proof Due Date (signed proof of B/U 4/26/1982; received 4/27/1982)

5/2/1983

Order Supplementing Conditions of Approval for Permit to Appropriate Groundwater #47-7575 for the newly formed Banbury Hot Springs Groundwater Management Area.

12/28/1982

Field Exam Conducted (additional information and pictures obtained with 6/24/2005 exam)

4/27/1982

Proof of Beneficial Use (received by Dept.)

10/29/1979

Application for Permit Approved

10/9/1979

Affidavit of Publication

9/10/1979

Application for Permit (9/10/1979 Date of Priority recommended.)

acres irrigated:

ArcMap confirmed 1.6 acres irrigated of the 1.7 acres owned by applicant (confirmed by Tax Lot Info taking out the driveway, house, garage, and pool from the total parcel.

Other Uses:

Supplemental Water:

Other Water Rights Used:

POD Overlaps:

POU Overlaps:

Maximum Allowed:

System:

Temperature:

Well Log:

D/1 (one house & garage), Heating (house & garage), Recreation (15' x 30' x 4' pool)

NONE (does not own shares from Twin Falls Canal Irrigation Co., per phone conversation 7/13/09)

47-7174B (Disallowed, and recommended as 47-7575)

47-7115B, 47-7566, 47-16763, 47-7174A, 74-7174B (disallowed, and renumbered as 47-7575)

47-7174B (disallowed, and renumbered as 47-7575), and WRs for Twin Falls Canal Irrigation Co. but in a phone conversation with Mary Kienlen on 7/13/2009, she stated she owns NO SHARES.

1982 field inspection measured entire flow through Kienlen system = 0.22 cfs

Parent WR 47-7174 entire system max. diversion rate measured via a Cipoletti weir is 2.52 cfs.

Notes from Corey Skinners 7/13/2005 Memo, and notes in the file: The POD consists of an existing 6 inch diameter, 600 ft deep Low Temperature Geothermal (89.6 degrees) Artesian well (tag# A0001476) that serves several different lots, with individual systems along the River Rd. in the Snake River Canyon northwest of Buhl, in the Banbury Hot Springs GWMA. From the POD, a buried 4" line discharges flow to the POU. The single story 3700 square foot home, and 635 square foot garage are heated with the water diverted from the well. When the water is not being used to heat the home and garage, the water is diverted directly into the pool in the summertime, then continues to flow through the pool. Potentially the pool could be in use year round. Note that the volume for the pool is not in addition to the heating used, but represents the maximum amount if no heating use was to occur. Therefore the heating use and recreation use should be limited to a combined total of 36.2 afa. (Arcmap confirmed 1.6 acres in SENE being irrigated; Tax Lot information shows Kienlen owns 1.7 acres). Per 7/13/2009 phone conversation with Mary Kienlen, it is unknown the size of buried line with varied sizes and types of nozzles, popup sprinklers, and rainbirds that irrigate the 1.6 acres.

Existing Low Temperature Geothermal Artesian Well (89.6 degrees)

None in file, or on IDWR Driller Report site (notes in files state 6" casing, 600' deep)