



State of Idaho

DEPARTMENT OF WATER RESOURCES

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November 21, 2011

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

SPF ENGINEERING
C/O CHRIS PETRICH
STE 350
300 E MALLARD DR
BOISE ID 83406

RE: Permit 63-12596

Dear Water Right Holder:

The Idaho Department of Water Resources (IDWR) has received your correspondence in order to reconcile conditions #7, #8, and #9¹ on permit 63-12596. Thank you for your time and effort. IDWR would like to reach a resolution on the permit soon but cannot move forward until we receive confirmation that ALL of the conditions of approval on the permit (conditions) have been met. The field examination that was submitted in 2004 by Hydro Logic did not specifically address how the conditions were met and should have been immediately rejected as this is one of the requirements of a field examination report. Since so much time has passed and Hydro Logic is no longer representing Crane Creek Country Club, IDWR is giving the permit holder a chance to fully meet all of the conditions in lieu of returning the field examination as unacceptable. At this point, after reviewing the information that you submitted, it appears that the conditions have been only partially satisfied.

Condition #7

The required measuring devices have been installed on 3 points of diversion (wells) but, according to you and the field examiner, the remaining 15 points of diversion (artesian wells) cannot accommodate a measuring device. According to a phone conversation between me and Christian Petrich of SPF on 11/14/2011, the permit holder is planning to install a measuring device on a common pipe where the artesian water comes together from the remaining 15 points of diversion. By installing a measuring device at a common pipe rather than at each point of diversion you are not fully meeting condition #7 but, in this case, IDWR believes that your proposal would be sufficient to serve the purpose of the condition. Please advise IDWR when the measurement device will be installed.

¹ **Condition #7:** The right holder shall install measuring devices of a type acceptable to the Department to record the flow rate withdrawn from each point of diversion.

Condition #8: The measuring devices shall be calibrated by a method approved by the Department every three years following the date of this approval.

Condition #9: Each week the water right holder shall read and record instantaneous flow rate and accumulated diversion volume at each of the authorized points of diversion for this right. These records shall be made available to the Department upon request.

Because condition #7 has not been met at this time, inherently conditions #8 and 9 cannot be fulfilled. But I would like to comment on the data and information that you had submitted that addresses condition #8 and #9.

Condition #8

You provided recent calibration data of the measuring devices that have been installed at the golf course. The measuring devices on the 3 points of diversion are calibrated within 2% to 4% of SPF's ultrasonic flow meter which is within IDWR's $\pm 10\%$ tolerance². Once the final measuring device is installed, make sure to submit calibration data on the new device to fully meet the condition.

Condition #9

The measurement records for the 3 points of diversion that you had supplied in your report are helpful but do not provide all-encompassing, measurement data for the golf course. In addition, it appears that conditions #7, #8, and specifically #9 were included on the permit to ensure compliance with conditions #10, and #12 that require:

Condition #10: *The total daily diversion under this right shall be limited to 3.7 af per day.*

Condition #12: *Diversion of water under this right from the "Clubhouse Well" located in the SWSW, S26, T4N, R2E, shall not exceed 1.84 cfs.*

Please describe how the permit holder can be sure that conditions #10 and #12 have been met and how the permit holder intends to stay in compliance with the diversion volume and rate restrictions. The field examination and the information that you submitted does not plainly confirm how those conditions have been satisfied.

In regard to the permit holder's request to change the wording of **Condition #9** to read:

The water right holder shall read and record accumulated diversion volumes at Well No. 1, No. 2, No.3, and the aggregate discharge from the Johnson Springs on a quarterly basis. These record shall be made available to the Department upon request.

Once all the conditions have been fully met as described in this letter, IDWR can look at adjusting the conditions and will be sure to keep the suggested language in mind.

Lastly, in 2004, the field examiner recommended the full permitted diversion rate of 5.52 cfs for licensure. However, IDWR cannot find justification of the recommended rate. Per the field examination report, it appears that the field examiner may have actually measured 2.78 cfs from the "front nine" well and the "club house" well and merely estimated the "back nine" at 1.63 cfs to 1.67 cfs and the artesian wells at 0.33 cfs to 0.39 cfs.

If this permit is licensed, IDWR will base the maximum diversion rate on the actual measurements that were taken at the time of the field exam and may use the information within your report to supplement those measurements. In any case, the full permitted rate of 5.52 cfs will not be licensed unless better measurement information is presented.

² The State of Idaho Water Measurement Guidelines state, "The percent of error of the installed mechanical type flow meter shall not exceed plus or minus ten percent of the standard meter."

In closing, please notify IDWR as to when the final measuring device will be installed. I realize that it might not be the best time given the harsh weather and that a spring date would not be unreasonable. Meanwhile, the permit holder may submit information in regard to condition #10 and #12 as described above.

Please contact me at (208) 287-4944 if you have any questions regarding this matter.

Sincerely,

A handwritten signature in cursive script that reads "Cherie Palmer".

Cherie Palmer, Sr. Water Resource Agent
Water Allocation Bureau

cc: Crane Creek Country Club
500 W Curling Dr
Boise ID 83702